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Virtualization 4.6.2

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1.853.1 Available under license
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1.855 hibernate-validator 5.3.6.Final
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1.866 pango 1.40.4 1.el7
  1.866.1 Available under license
1.867 docker-ce 19.03.12-3.el7
  1.867.1 Available under license
1.868 libteam 1.27 4.el7
  1.868.1 Available under license
1.869 binutils 2.27 43.base.el7
  1.869.1 Available under license

1.1 hdrhistogram 2.1.11
1.2 activation-api 1.1

1.2.1 Available under license:

# Notices for Eclipse Project for JAF

This content is produced and maintained by the Eclipse Project for JAF project.

* Project home: https://projects.eclipse.org/projects/ee4j.jaf

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaf

## Third-party Content

This project leverages the following third party content.

JUnit (4.12)

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1.3 llvm 5.0.0-3.el7
1.3.1 Available under license :

; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {
    ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
    BB:
    %L34 = load i8, i8* %0
    %Cmp56 = icmp sgt i8 undef, %L34
    br label %CF246
    CF246:                                            ; preds = %CF246, %BB
    %SI163 = select i1 %Cmp56, i8 %L34, i8 undef
    br i1 undef, label %CF246, label %CF248
    CF248:                                            ; preds = %CF248, %CF246
    store i8 %SI163, i8* %0
    br label %CF248
}

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit | FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the
legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" { 
  ; CHECK-LABEL: add256:
  ; CHECK:      # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT: vpadd (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT: vpadd 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
  ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" { 
  ; CHECK-LABEL: add512:
  ; CHECK:      # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vpadd (%rsi), %zmm0, %zmm0
  ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" { 
  ; CHECK-LABEL: avg_v64i8_256:
  ; CHECK:      # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rsi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
  ; CHECK-NEXT: vpavgb (%rdi), %ymm0, %ymm0
  ; CHECK-NEXT: vpavgb 32(%rdi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqu %ymm1, (%rax)
  ; CHECK-NEXT: vmovdqu %ymm0, (%rax)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %1 = load <64 x i8>, <64 x i8>* %a
  %2 = load <64 x i8>, <64 x i8>* %b


%3 = zext <64 x i8> %1 to <64 x i32>
%4 = zext <64 x i8> %2 to <64 x i32>
%5 = add nuw nsw <64 x i32> %3, %4
%6 = add nuw nsw <64 x i32> %5, %4
%7 = lshr <64 x i32> %6, %5
%8 = trunc <64 x i32> %7 to <64 x i8>
store <64 x i8> %8, <64 x i8>* undef, align 4
ret void
}

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: avg_v64i8_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa64 (%rsi), %zmm0
    ; CHECK-NEXT:    vpavgb (%rdi), %zmm0, %zmm0
    ; CHECK-NEXT:    vmovdqu64 %zmm0, (%rax)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, %4
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, %5
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}

define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: pmaddwd_32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {  
; CHECK-LABEL: pmaddwd_32_512:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0  
; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0  
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)  
; CHECK-NEXT: vzeroupper  
; CHECK-NEXT: retq  
%A = load <32 x i16>, <32 x i16>* %APtr  
%B = load <32 x i16>, <32 x i16>* %BPtr  
%a = sext <32 x i16> %A to <32 x i32>  
%b = sext <32 x i16> %B to <32 x i32>  
%m = mul nsw <32 x i32> %a, %b  
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>  
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>  
%ret = add <16 x i32> %odd, %even  
store <16 x i32> %ret, <16 x i32>* %CPtr  
ret void  
}
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width=512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdq64 (%rdi), %zmm0
; CHECK-NEXT: vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdq64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width=256" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB8_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %ymm3
undef, i32 undef, i32 undef>

%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> undef, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf

%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

define i32 @Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
; CHECK-LABEL: _Z9test_charPcS_i_512:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB9_1: # %vector.body
; CHECK-NEXT:      # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxwb (%rdi,%rcx), %zmm2
; CHECK-NEXT: vpmovsxwb (%rsi,%rcx), %zmm3
; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm2
; CHECK-NEXT: addq $32, %rcx
; CHECK-NEXT: cmpq %rcx, %rax
; CHECK-NEXT: jne .LBB9_1
; CHECK-NEXT:      # %bb.2: # %middle.block
; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1
; CHECK-NEXT: vextracti64x4 %zmm1, %yrm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0

entry:
  %3 = zext i32 %2 to i64
  br label %vector.body

vector.body:
  %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
  %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
  %4 = getelementptr inbounds i8, i8* %0, i64 %index
  %5 = bitcast i8* %4 to <32 x i8>*
  %6 = sext <32 x i8> %4 to <32 x i8>*
  %7 = getelementptr inbounds i8, i8* %1, i64 %index
  %8 = bitcast i8* %7 to <32 x i8>*
  %9 = sext <32 x i8> %7 to <32 x i8>*
  %10 = mul nsw <32 x i32> %9, %6
  %11 = add nsw <32 x i32> %10, %vec.phi
  %index.next = add i64 %index, 32
  %12 = icmp eq i64 %index.next, %3
  br i1 %12, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> unde
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

#define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
 ; CHECK-LABEL: sad_16i8_256:
 ; CHECK:
 ; %bb.0: # %entry
 ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
 ; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
 ; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
 ; CHECK-NEXT: .p2align 4, 0x90
 ; CHECK-NEXT: .LBB10_1: # %vector.body
 ; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
 ; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm2
 ; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm2
 ; CHECK-NEXT: vpaddd %ymm1, %ymm2, %ymm1
 ; CHECK-NEXT: vpaddd %ymm0, %ymm1, %ymm0
 ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
 ; CHECK-NEXT: vpaddd %ymm1, %ymm0, %ymm0
 ; CHECK-NEXT: vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
 ; CHECK-NEXT: vpadd %ymm1, %ymm0
 ; CHECK-NEXT: vmovd %xmm0, %eax
 ; CHECK-NEXT: vzeroupper
 ; CHECK-NEXT: retq
entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi i16 x i32> [ zeroiniializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]@a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*

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%wide.load = load <16 x i8>, <16 x i8>* %1, align 4  
%2 = zext <16 x i8> %wide.load to <16 x i32>  
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index  
%4 = bitcast i8* %3 to <16 x i8>*  
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4  
%5 = zext <16 x i8> %wide.load1 to <16 x i32>  
%6 = sub nsw <16 x i32> %2, %5  
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>  
%8 = sub nsw <16 x i32> zeroinitializer, %6  
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8  
%10 = add nsw <16 x i32> %9, %vec.phi  
%index.next = add i64 %index, 4  
%11 = icmp eq i64 %index.next, 1024  
brc i1 %11, label %middle.block, label %vector.body

middle.block:  
%.lcssa = phi <16 x i32> [ %10, %vector.body ]  
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>  
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf  
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>  
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2  
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>  
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3  
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>  
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4  
%12 = extractelement <16 x i32> %bin.rdx4, i32 0  
ret i32 %12

}
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 %d1, %zmm0, %ymm1
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 %d2, %ymm0, %xmm1
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpsufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpsufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vminvd %zmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1
  %8 = sub nsw <16 x i32> zeroinitializer, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %.lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef>
  %bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> %i32 4, %i32 5, %i32 6, %i32 7, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef>
  %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
  %rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> %i32 2, %i32 3, %i32 undef, %i32
define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f32_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  kshiftrw $8, %k0, %k1
; CHECK-NEXT:  vpmovm2d %k1, %ymm0
; CHECK-NEXT:  vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm1
; CHECK-NEXT:  vcvtdq2ps %ymm1, %ymm1
; CHECK-NEXT:  vmovaps %ymm1, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f32_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  vpmovm2d %k0, %zmm0
; CHECK-NEXT:  vcvtdq2ps %zmm0, %zmm0
; CHECK-NEXT:  vmovaps %zmm0, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK:       # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtqd2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtqd2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvtqd2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vpmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vpmovaps %ymm3, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vpmovw2m %ymm0, %k0
    ; CHECK-NEXT: vpmovm2d %k0, %zmm0
    ; CHECK-NEXT: vcvtqd2pd %ymm0, %zmm1
    ; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
    ; CHECK-NEXT: vcvtqd2pd %ymm0, %zmm0
    ; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
    ; CHECK-NEXT: vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vpmovw2m %ymm0, %k0
    ; CHECK-NEXT: kshiftrw $8, %k0, %k1
    ; CHECK-NEXT: vpmovm2d %k1, %ymm0
    ; CHECK-NEXT: vpsrlq $31, %ymm0, %ymm0
    ; CHECK-NEXT: vcvtqd2ps %ymm0, %ymm0
}
define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}
define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f64_512:
; CHECK:    
; CHECK-NEXT:    vpmovw2m %ymm0, %k0
; CHECK-NEXT:    vpmovm2d %k0, %zmm0
; CHECK-NEXT:    vpslld $31, %zmm0, %zmm0
; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm0
; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm0
; CHECK-NEXT:    vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
; CHECK-LABEL: test_16f32toub_256:
; CHECK:    
; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:    vpmovd2m %ymm1, %k0
; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:    vpmovd2m %ymm1, %k1
; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:    retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32toub_512:
; CHECK:    
; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:    vpmovd2m %ymm1, %k0
; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:    vpmovd2m %ymm1, %k1
; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:    retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}
define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
  %a = load <16 x float>, <16 x float>* %ptr
  %mask = fptoui <16 x float> %a to <16 x i1>
  %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
  ret <16 x i16> %select
}
define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
  %a = load <16 x float>, <16 x float>* %ptr
  %mask = fptosi <16 x float> %a to <16 x i1>
  %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
  ret <16 x i16> %select
}
define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
  %a = load <64 x i8>, <64 x i8>* %a
  %mask = fptosi <64 x i8> %a to <64 x i1>
  %select = select <64 x i1> %mask, <64 x i8> %passthru, <64 x i8> zeroinitializer
  ret <64 x i8> %select
}
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm5 = ymm0[8,9,9,10,10,11,11,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:  vpunlwlw %ymm4, %ymm5, %ymm4
; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm2 = ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm0 = ymm0[0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:  vpunlwlw %ymm2, %ymm0, %ymm0
; CHECK-NEXT:  vpand %ymm5, %ymm0, %ymm0
; CHECK-NEXT:  vpunpckuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm2 = ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:  vpunlwlw %ymm2, %ymm4, %ymm2
; CHECK-NEXT:  vpand %ymm5, %ymm2, %ymm2
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm3 = ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[5],ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[19],ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm1 = ymm1[0],ymm0[0],ymm1[1],ymm0[1],ymm1[2],ymm0[2],ymm1[3],ymm0[3],ymm1[4],ymm0[4],ymm1[5],ymm0[5],ymm1[6],ymm0[6],ymm1[7],ymm0[7],ymm1[16],ymm0[16],ymm1[17],ymm0[17],ymm1[18],ymm0[18],ymm1[19],ymm0[19],ymm1[20],ymm0[20],ymm1[21],ymm0[21],ymm1[22],ymm0[22],ymm1[23],ymm0[23]
; CHECK-NEXT:  vpunlwlw %ymm3, %ymm1, %ymm1
; CHECK-NEXT:  vpand %ymm5, %ymm1, %ymm1
; CHECK-NEXT:  vpunpckuswb %ymm2, %ymm1, %ymm1
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdqa %ymm0, 0(%rdx)
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: mul512:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vunpckhbw {{.*#+}} zmm2 =
  ; CHECK-NEXT: vpmulld %zmm2, %zmm2, %zmm2
  ; CHECK-NEXT: vpand %zmm2, %zmm2
  ; CHECK-NEXT: vpackuswb %zmm2, %zmm2, %zmm2
  ; CHECK-NEXT: vmovdqa64 (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
%
  ; CHECK-NEXT: vzeroupper
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  ; CHECK-NEXT: retq
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  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
%
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

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Developed by:

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<none yet>              

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
  ; VEC256-LABEL: '.zext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'zext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

declare void @zext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'zext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; SKX256-LABEL: 'zext512'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'zext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i64>
ret void
}
define void @sext512() "min-legal-vector-width"="512" {  
  ; AVX-LABEL: 'sext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  ; SKX256-LABEL: 'sext512'
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  ; VEC512-LABEL: 'sext512'
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}
$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $

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* @(#COPYRIGHT8.1 (Berkeley) 3/16/94
*/
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph:
    ; preds = %entry
    br label %while.body

  while.body:
    ; preds = %exit.2, %while.body.lr.ph
    %lsr.iv = phi %struct.0* [%cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
    switch i32 undef, label %exit [
      i32 1, label %sw.bb.i
      i32 2, label %sw.bb3.i
    ]

  sw.bb.i:
    ; preds = %while.body
    unreachable

  sw.bb3.i:
    ; preds = %while.body

unreachable

exit: ; preds = %while.body
switch i32 undef, label %exit.2 [
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
]

sw.bb.i17: ; preds = %exit
  %0 = bitcast %struct.0* %lsr.iv to i32*
  %1 = load i32, i32* %0, align 4
  unreachable

sw.bb3.i20: ; preds = %exit
  %2 = bitcast %struct.0* %lsr.iv to i8**
  %3 = load i8*, i8** %2, align 4
  unreachable

exit.2: ; preds = %exit
  %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
  br label %while.body

while.end: ; preds = %entry
  ret void
]

attributes #0 = { nounwind optsiz "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
  ; CHECK-LABEL: test_sitofp_fixed:
  ; First, extend each i32 to i64
  ; CHECK-DAG: sshll2.2d [[[BLOCK0_HI:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK1_HI:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK2_HI:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK3_HI:v[0-9]+]], v3, #0
  ; CHECK-DAG: sshll.2d [[[BLOCK0_LO:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll.2d [[[BLOCK1_LO:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll.2d [[[BLOCK2_LO:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll.2d [[[BLOCK3_LO:v[0-9]+]], v3, #0

  ; Next, convert each to double.
  ; CHECK-DAG: scvtf.2d v0, [[[BLOCK0_LO]]]
  ; CHECK-DAG: scvtf.2d v1, [[[BLOCK0_HI]]]
  ; CHECK-DAG: scvtf.2d v2, [[[BLOCK1_LO]]]
  ; CHECK-DAG: scvtf.2d v3, [[[BLOCK1_HI]]]
  ; CHECK-DAG: scvtf.2d v4, [[[BLOCK2_LO]]]
}
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1
; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
ret void
}

define internal void @innerNoAttribute() {
ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
call void @innerSmall()
ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
call void @innerNoAttribute()
ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG:  %
; CHECK-DAG:  %
; CHECK-DAG:  %
; CHECK-DAG:  %
; CHECK:  %0 = inttoptr i32 %
; CHECK-NEXT:  %1 = load volatile i8, i8* %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
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; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  %
; CHECK-NEXT:  store i8 %, i8* %
; CHECK-NEXT:  %
define void @foo_i8() {
  entry:
    %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
    %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
    %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
    %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
    %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
    store i8 %4, i8* inttoptr(i32 805873688 to i8*)
    store i8 %3, i8* inttoptr(i32 805873719 to i8*)
    store i8 %2, i8* inttoptr(i32 805873720 to i8*)
    store i8 %1, i8* inttoptr(i32 805873727 to i8*)
    store i8* inttoptr(i32 805874800 to i8*), i8** @goo
    ret void
  }

define void @foo_i16 {
  entry:
    %0 = load volatile i16, i16* inttoptr (i32 805874752 to i32)
    %1 = load volatile i16, i16* inttoptr (i32 805874688 to i32)
    %2 = load volatile i16, i16* inttoptr (i32 805874719 to i16*)
    %3 = load volatile i16, i16* inttoptr (i32 805874720 to i16*)
    %4 = load volatile i16, i16* inttoptr (i32 805874727 to i16*)
    store i16 %4, i16* inttoptr(i32 805873688 to i16*)
    store i16 %3, i16* inttoptr(i32 805873719 to i16*)
    store i16 %2, i16* inttoptr(i32 805873720 to i16*)
    store i16 %1, i16* inttoptr(i32 805873727 to i16*)
    store i16* inttoptr(i32 805874800 to i16*), i16** @goo
    ret void
  }

@foo = global i8* undef
define void @foo_i16() {
  entry:
  %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
  %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
  %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
  %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
  %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
  %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
  ret void
}

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
; CHECK-DAG: %[[C1:const[0-9]?!]] = bitcast i32 805874816 to i32
; CHECK-DAG: %[[C2:const[0-9]?!]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i32*
; CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
; CHECK-NEXT: %[[M1:const_mat[0-9]?!]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
; CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
; CHECK-NEXT: %[[M2:const_mat[0-9]?!]] = add i32 %[[C2]], 124
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
; CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
; CHECK-NEXT: %[[M3:const_mat[0-9]?!]] = add i32 %[[C1]], 8
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i32*
; CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
; CHECK-NEXT: %[[M4:const_mat[0-9]?!]] = add i32 %[[C1]], 12
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i32*
; CHECK-NEXT: %11 = load volatile i32, i32* %10, align 4

define void @foo_i32() {
  entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
  %2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
  %3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
  %4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
  %5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
  ret void
}

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    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}
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1.4 hk2-api 2.6.1

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1.13 jersey-client 2.25.1
1.13.1 Available under license :

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http://glassfish.java.net/public/CDDL+GPL_1_1.html

1.14 libusb 1.0.21-1.el7
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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinink, Eygene
Sato, Yuichi
Sánchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frederic
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frederic
Margeviius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarer, 2gr
1.17 cifs-utils 6.2-10.el7

1.17.1 Available under license:

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### 1.18 chrony 3.4-1.0.1.el7

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<one line to give the library's name and a brief idea of what it does.>
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That's all there is to it!

1.23 jul-to-slf4j 1.7.29
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1.24 at-spi2-core 2.28.0-1

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1.25 libdrm 2.4.83 2.el7

1.26 spring-boot-starter-actuator 2.2.7.RELEASE

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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1.28 kmod 20-28.el7

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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- javaee_web_services_1_3.xsd
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- web-common_3_0.xsd
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- jsp_2_3.xsd
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But there also exist proprietary, licensed extensions to SQLite, written and maintained.

You are welcomed to use SQLite in closed source, proprietary, and/or

application code is free to use these routines as well, if desired.

/*
 ** 2004 May 22

Open Source Used In NFVIS Branch Virtualization 4.6.2  370
** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
**  May you do good and not evil.
**  May you find forgiveness for yourself and forgive others.
**  May you share freely, never taking more than you give.
**
*****************************************************************************/

** This file contains the VFS implementation for unix-like operating systems
** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
**
** There are actually several different VFS implementations in this file.
** The differences are in the way that file locking is done. The default
** implementation uses Posix Advisory Locks. Alternative implementations
** use flock(), dot-files, various proprietary locking schemas, or simply
** skip locking all together.
**
** This source file is organized into divisions where the logic for various
** subfunctions is contained within the appropriate division. PLEASE
** KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed
** in the correct division and should be clearly labeled.
**
** The layout of divisions is as follows:
**
**  * General-purpose declarations and utility functions.
**  * Unique file ID logic used by VxWorks.
**  * Various locking primitive implementations (all except proxy locking):
**      + for Posix Advisory Locks
**      + for no-op locks
**      + for dot-file locks
**      + for flock() locking
**      + for named semaphore locks (VxWorks only)
**      + for AFP filesystem locks (MacOSX only)
**  * sqlite3_file methods not associated with locking.
**  * Definitions of sqlite3_io_methods objects for all locking
**      methods plus "finder" functions for each locking method.
**  * sqlite3_vfs method implementations.
**  * Locking primitives for the proxy uber-locking-method. (MacOSX only)
**  * Definitions of sqlite3_vfs objects for all locking methods
**      plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/os_unix.c
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Sources are in the public domain.
Rather than using fopen() to write XML or some proprietary format into

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FOR IMMEDIATE RELEASE:

SQLite Consortium Launches With Mozilla And Symbian As Charter Members

Ensures independent technical direction for world's most deployed SQL database engine

Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members.

SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.

The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers.

Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.

"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla. "As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote
choice and innovation on the Internet.”</p>

"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development," said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian’s commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible.”</p>

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, http://www.sqlite.org/.

# # #

About SQLite</p>

SQLite is a software library that implements a self-contained, embeddable, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.

SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.

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About Mozilla</p>

Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere.
Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation. For more information, visit www.mozilla.com.

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About Symbian Limited

Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.

Symbian licenses Symbian OS to the world's leading handset manufacturers and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.

Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.

CONTACT INFORMATION:
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Karen Hamblen
+44 207 154 1707
press@symbian.com

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# 2012 May 21
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

# NB: Portions of this file are extracted from open-source projects covered by permissive licenses. Use of this file for testing is clearly allowed. However, do not incorporate the text of this one file into end-products without checking the licenses on the open-source projects from which this code was extracted. This warning applies to this one file only - not the bulk of the SQLite source code and tests.

#**********************************************************************
# This file contains large and complex schemas obtained from open-source software projects. The schemas are parsed just to make sure that nothing breaks in the parser logic.
# These tests merely verify that the parse occurs without error.
# No attempt is made to verify correct operation of the resulting schema and statements.
#

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Schema and query extracted from Skrooge.org.

# do_test fuzz-oss1-skrooge {
#  db eval {
CREATE TABLE parameters (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_uuid_parent TEXT NOT NULL DEFAULT ",t_name TEXT NOT NULL,t_value TEXT NOT NULL DEFAULT ",b_blob BLOB,d_lastmodifdate DATE NOT NULL DEFAULT CURRENT_TIMESTAMP,i_tmp INTEGER NOT NULL DEFAULT 0);
CREATE TABLE doctransaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL,t_mode VARCHAR(1) DEFAULT 'U' CHECK (t_mode IN ('U', 'R')),d_date DATE NOT NULL,t_savestep VARCHAR(1) DEFAULT 'N' CHECK (t_savestep IN ('Y', 'N')),i_parent INTEGER,t_refreshviews VARCHAR(1) DEFAULT 'Y' CHECK (t_refreshviews IN ('Y', 'N')));
CREATE TABLE doctransactionitem (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_doctransaction_id INTEGER NOT NULL,i_object_id INTEGER NOT NULL,t_object_table TEXT NOT NULL,t_action VARCHAR(1) DEFAULT 'I' CHECK (t_action IN ('I', 'U', 'D')),t_sqlorder TEXT NOT NULL DEFAULT ");
CREATE TABLE doctransactionmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_doctransaction_id INTEGER NOT NULL,t_message TEXT NOT NULL DEFAULT ",t_popup VARCHAR(1) DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));
CREATE TABLE unit(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL,t_symbol TEXT NOT NULL DEFAULT ",t_country TEXT NOT NULL DEFAULT ",t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('1', '2', 'C', 'S', 'T', 'O')));

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CREATE TABLE unitvalue(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_unit_id INTEGER NOT NULL, d_date DATE NOT NULL, f_quantity FLOAT NOT NULL CHECK (f_quantity>=0));

CREATE TABLE bank (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_bank_number TEXT NOT NULL DEFAULT '', t_icon TEXT NOT NULL DEFAULT '');

CREATE TABLE interest (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_account_id INTEGER NOT NULL, d_date DATE NOT NULL, f_rate FLOAT NOT NULL CHECK (f_rate>=0), t_income_value_date_mode VARCHAR(1) NOT NULL DEFAULT 'F' CHECK (t_income_value_date_mode IN ('F', '0', '1', '2', '3', '4', '5')), t_expenditure_value_date_mode VARCHAR(1) NOT NULL DEFAULT 'F' CHECK (t_expenditure_value_date_mode IN ('F', '0', '1', '2', '3', '4', '5')), t_base VARCHAR(3) NOT NULL DEFAULT '24' CHECK (t_base IN ('24', '360', '365')));

CREATE TABLE operation (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, i_group_id INTEGER NOT NULL DEFAULT 0, i_number INTEGER DEFAULT 0 CHECK (i_number>=0), d_date DATE NOT NULL DEFAULT '0000-00-00', rd_account_id INTEGER NOT NULL, t_mode TEXT NOT NULL DEFAULT '', r_payee_id INTEGER NOT NULL DEFAULT 0, t_comment TEXT NOT NULL DEFAULT '', t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')), t_status VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_status IN ('N', 'P', 'Y')), t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')), i_tmp INTEGER NOT NULL DEFAULT 0, r_recurrentoperation_id INTEGER NOT NULL DEFAULT 0);

CREATE TABLE operationbalance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, f_balance FLOAT NOT NULL DEFAULT 0, r_operation_id INTEGER NOT NULL);

CREATE TABLE refund (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_comment TEXT NOT NULL DEFAULT '', t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')));

CREATE TABLE payee (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_address TEXT NOT NULL DEFAULT '', t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));

CREATE TABLE suboperation (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_comment TEXT NOT NULL DEFAULT '', rd_operation_id INTEGER NOT NULL, r_category_id INTEGER DEFAULT 0, f_value FLOAT NOT NULL DEFAULT 0.0, i_tmp INTEGER NOT NULL DEFAULT 0, r_refund_id INTEGER NOT NULL DEFAULT 0, t_formula TEXT NOT NULL DEFAULT '');

CREATE TABLE rule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_description TEXT NOT NULL DEFAULT '', t_definition TEXT NOT NULL DEFAULT '', t_action_description TEXT NOT NULL DEFAULT '', t_action_definition TEXT NOT NULL DEFAULT '', t_action_type VARCHAR(1) DEFAULT 'S' CHECK (t_action_type IN ('S', 'U', 'A')), t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));

CREATE TABLE budget (id INTEGER NOT NULL DEFAULT 0, id_category INTEGER NOT NULL DEFAULT 0, rc_category_id INTEGER NOT NULL DEFAULT 0, t_including_subcategories TEXT NOT NULL DEFAULT 'N' CHECK (t_including_subcategories IN ('Y', 'N')), f_budgeted FLOAT NOT NULL DEFAULT 0.0, f_budgeted_modified FLOAT NOT NULL DEFAULT 0.0, f_transferred FLOAT NOT NULL DEFAULT 0.0, i_year INTEGER NOT NULL DEFAULT 2010, i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month>=0 AND i_month<=12));

CREATE TABLE budgetcategory (id INTEGER NOT NULL DEFAULT 0, id_category INTEGER NOT NULL DEFAULT 0);

CREATE TABLE budgetrule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rc_category_id INTEGER NOT NULL DEFAULT 0, t_category_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_condition IN ('Y', 'N')), t_year_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_year_condition IN ('Y', 'N')));
CREATE TABLE "recurrentoperation" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,d_date DATE NOT NULL DEFAULT '0000-00-00',rd_operation_id INTEGER NOT NULL,i_period_increment INTEGER NOT NULL DEFAULT 1 CHECK (i_period_increment>=0),t_period_unit TEXT NOT NULL DEFAULT 'M' CHECK (t_period_unit IN ('D', 'W', 'M', 'Y')),t_auto_write VARCHAR(1) DEFAULT 'Y' CHECK (t_auto_write IN ('Y', 'N')),i_auto_write_days INTEGER NOT NULL DEFAULT 5 CHECK (i_auto_write_days>=0),t_warn VARCHAR(1) DEFAULT 'Y' CHECK (t_warn IN ('Y', 'N')),i_warn_days INTEGER NOT NULL DEFAULT 5 CHECK (i_warn_days>=0),t_times VARCHAR(1) DEFAULT 'N' CHECK (t_times IN ('Y', 'N')),i_nb_times INTEGER NOT NULL DEFAULT 1 CHECK (i_nb_times>=0));

CREATE TABLE "category" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '' CHECK (t_name NOT LIKE '% > %'),t_fullname TEXT,rd_category_id INT,t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));

CREATE TABLE "account"(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL,t_number TEXT NOT NULL DEFAULT '',t_agency_number TEXT NOT NULL DEFAULT '',t_agency_address TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')),t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', 'T', 'L', 'W', 'O')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),rd_bank_id INTEGER NOT NULL);

CREATE TABLE "node" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '' CHECK (t_name NOT LIKE '% > %'),t_fullname TEXT,t_icon TEXT DEFAULT '',f_sortorder FLOAT,t_autostart VARCHAR(1) DEFAULT 'N' CHECK (t_autostart IN ('Y', 'N')),t_data TEXT,rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);

CREATE TABLE vm_category_display_tmp( id INT,
t_name TEXT,
t_fullname TEXT,
rd_category_id INT,
t_bookmarked TEXT,
i_NBOPERATIONS,
f_REALCURRENTAMOUNT
);

CREATE TABLE vm_budget_tmp( id INT,
rc_category_id INT,
t_including_subcategories TEXT,
f_budgeted REAL,
f_budgeted_modified REAL,
f_transferred REAL,
i_year INT,
i_month INT,
t_CATEGORY,
t_PERIOD,

T CATEGORY TARGET TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_target IN ('Y', 'N')));
f_CURRENTAMOUNT,
t_RULES
);
CREATE INDEX idx_doctransaction_parent ON doctransaction (i_parent);
CREATE INDEX idx_doctransactionitem_i_object_id ON doctransactionitem (i_object_id);
CREATE INDEX idx_doctransactionitem_t_object_table ON doctransactionitem (t_object_table);
CREATE INDEX idx_doctransactionitem_t_action ON doctransactionitem (t_action);
CREATE INDEX idx_doctransactionitem_rd_doctransaction_id ON doctransactionitem (rd_doctransaction_id);
CREATE INDEX idx_doctransactionitem_optimization ON doctransactionitem (rd_doctransaction_id, i_object_id, t_object_table, t_action, id);
CREATE INDEX idx_unit_unit_id ON unitvalue(rd_unit_id);
CREATE INDEX idx_account_bank_id ON account(rd_bank_id);
CREATE INDEX idx_account_type ON account(t_type);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_operation_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_tmp1_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx_operation_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx_operation_i_number ON operation (i_number);
CREATE INDEX idx_operation_i_tmp ON operation (i_tmp);
CREATE INDEX idx_operation_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_rc_unit_id ON operation (rc_unit_id);
CREATE INDEX idx_operation_t_status ON operation (t_status);
CREATE INDEX idx_operation_t_import_id ON operation (t_import_id);
CREATE INDEX idx_operation_t_template ON operation (t_template);
CREATE INDEX idx_operation_d_date ON operation (d_date);
CREATE INDEX idx_operationbalance_operation_id ON operationbalance (r_operation_id);
CREATE INDEX idx_suboperation_operation_id ON suboperation (rd_operation_id);
CREATE INDEX idx_suboperation_i_tmp ON suboperation (i_tmp);
CREATE INDEX idx_suboperation_category_id ON suboperation (r_category_id);
CREATE INDEX idx_suboperation_refund_id_id ON suboperation (r_refund_id);
CREATE INDEX idx_recurrentoperation_rd_operation_id ON recurrentoperation (rd_operation_id);
CREATE INDEX idx_refund_close ON refund(t_close);
CREATE INDEX idx_interest_account_id ON interest (rd_account_id);
CREATE INDEX idx_rule_action_type ON rule(t_action_type);
CREATE INDEX idx_budget_category_id ON budget(rc_category_id);
CREATE INDEX idx_budgetcategory_id ON budgetcategory (id);
CREATE INDEX idx_budgetcategory_id_category ON budgetcategory (id_category);
CREATE UNIQUE INDEX uidx_parameters_uuid_parent_name ON parameters (t_uuid_parent, t_name);
CREATE UNIQUE INDEX uidx_node_parent_id_name ON node(t_name,rd_node_id);
CREATE UNIQUE INDEX uidx_node_fullname ON node(t_fullname);
CREATE UNIQUE INDEX uidx_unit_name ON unit(t_name);
CREATE UNIQUE INDEX uidx_unit_symbol ON unit(t_symbol);
CREATE UNIQUE INDEX uidx_unitvalue ON unitvalue(d_date,rd_unit_id);
CREATE UNIQUE INDEX uidx_bank_name ON bank(t_name);
CREATE UNIQUE INDEX uidx_account_name ON account(t_name);
CREATE UNIQUE INDEX uidx_category_parent_id_name ON category(t_name,rd_category_id);
CREATE UNIQUE INDEX uidx_category_fullname ON category(t_fullname);
CREATE UNIQUE INDEX uidx_refund_name ON refund(t_name);
CREATE UNIQUE INDEX uidx_payee_name ON payee(t_name);
CREATE UNIQUE INDEX uidx_interest ON interest(d_date, rd_account_id);
CREATE UNIQUE INDEX uidx_budget ON budget(i_year, i_month, rc_category_id);
CREATE VIEW v_node AS SELECT * FROM node;
CREATE VIEW v_node_displayname AS SELECT *, t_fullname AS t_displayname FROM node;
CREATE VIEW v_parameters_displayname AS SELECT *, t_name AS t_displayname FROM parameters;
CREATE TRIGGER fkdc_parameters_parameters_uuid BEFORE DELETE ON parameters FOR EACH ROW
BEGIN    DELETE FROM parameters WHERE t_uuid_parent=OLD.id||'-'||'parameters'; END;
CREATE TRIGGER fkdc_node_parameters_uuid BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM parameters WHERE t_uuid_parent=OLD.id||'-'||'node'; END;
CREATE TRIGGER cpt_node_fullname1 AFTER INSERT ON node BEGIN
UPDATE node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM node c WHERE c.id=new.rd_node_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER cpt_node_fullname2 AFTER UPDATE OF t_name, rd_node_id ON node BEGIN
UPDATE node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM node c WHERE c.id=new.rd_node_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER fki_account_bank_rd_bank_id_id BEFORE INSERT ON account FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (bank est utilisé par account)
Nom de la contrainte : fki_account_bank_rd_bank_id_id')   WHERE NEW.rd_bank_id!=0 AND
NEW.rd_bank_id!='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fku_account_bank_rd_bank_id_id BEFORE UPDATE ON account FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (bank est utilisé par account)
Nom de la contrainte : fku_account_bank_rd_bank_id_id')       WHERE NEW.rd_bank_id!=0 AND
NEW.rd_bank_id!='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id BEFORE DELETE ON bank FOR EACH ROW BEGIN
DELETE FROM account WHERE account.rd_bank_id = OLD.id; END;
CREATE TRIGGER fki_budget_category_rc_category_id_id BEFORE INSERT ON budget FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par budget)
Nom de la contrainte : fki_budget_category_rc_category_id_id')   WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budget_category_rc_category_id_id BEFORE UPDATE ON budget FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budget)
Nom de la contrainte : fku_budget_category_rc_category_id_id')       WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkd_budget_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de détruire un objet (category est utilisé par budget)
Nom de la contrainte : fkd_budget_category_rc_category_id_id')     WHERE (SELECT rc_category_id FROM
budget WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par budgetrule)
Nom de la contrainte : fki_budgetrule_category_rc_category_id_id')   WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budgetrule)
Nom de la contrainte : fku_budgetrule_category_rc_category_id_id')       WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkdb_budgetrule_category_rc_category_id_id BEFORE DELETE ON categoryrule FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de détruire un objet (categoryrule est utilisé par budgetrule)
Nom de la contrainte : fkdb_budgetrule_category_rc_category_id_id')     WHERE (SELECT rc_category_id FROM
budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrulecategory_rc_category_id_id BEFORE INSERT ON budgetrulecategory FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (categoryrule est utilisé par budgetrulecategory)
Nom de la contrainte : fki_budgetrulecategory_rc_category_id_id')   WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM categoryrule WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrulecategory_rc_category_id_id BEFORE UPDATE ON budgetrulecategory FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (categoryrule est utilisé par budgetrulecategory)
Nom de la contrainte : fku_budgetrulecategory_rc_category_id_id')       WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM categoryrule WHERE id = NEW.rc_category_id) IS NULL; END;
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fk_budgetrule_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible de détruire un objet (category est utilisé par budgetrule)
Nom de la contrainte : fkd_budgetrule_category_rc_category_id_id')
WHERE
NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON category FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budgetrule)
Nom de la contrainte : fku_budgetrule_category_rc_category_id_target_id')
WHERE
NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fkdc_category_category_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN
  DELETE FROM category WHERE category.rd_category_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionitem FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (doctransaction est utilisé par doctransactionitem)
Nom de la contrainte : fki_doctransactionitem_doctransaction_rd_doctransaction_id_id')
WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fku_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionitem FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionitem)
Nom de la contrainte : fku_doctransactionitem_doctransaction_rd_doctransaction_id_id')
WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransactionitem FOR EACH ROW BEGIN
  DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionmsgitem
doctransactionmsg FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionmsg)
Nom de la contrainte : fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id’) WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id='" AND (SELECT id FROM doctransaction
WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON
doctransactionmsg FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionmsg)
Nom de la contrainte : fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id’) WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id='" AND (SELECT id FROM doctransaction
WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransaction_doctransactionmsg_id_rd_doctransaction_id BEFORE DELETE ON
doctransaction FOR EACH ROW BEGIN DELETETE FROM doctransactionmsg WHERE
doctransactionmsg.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par interest)
Nom de la contrainte : fki_interest_account_rd_account_id_id’) WHERE NEW.rd_account_id!=0 AND
NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fku_interest_account_rd_account_id_id BEFORE UPDATE ON interest FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par interest)
Nom de la contrainte : fku_interest_account_rd_account_id_id’) WHERE NEW.rd_account_id!=0 AND
NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fkdc_account_interest_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)
Nom de la contrainte : fki_node_node_rd_node_id_id’) WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id='" AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;
CREATE TRIGGER fku_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilisé par node)
Nom de la contrainte : fku_node_node_rd_node_id_id’) WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id='" AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;
CREATE TRIGGER fkdc_node_node_id_rd_node_id BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM node WHERE node.rd_node_id = OLD.id; END;
CREATE TRIGGER fki_operation_account_rd_account_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par operation)
Nom de la contrainte : fki_operation_account_rd_account_id_id’) WHERE NEW.rd_account_id!=0 AND
NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fku_operation_account_rd_account_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par operation)
Nom de la contrainte : fku_operation_account_rd_account_id_id’) WHERE NEW.rd_account_id!=0 AND
NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fkdc_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM operation WHERE operation.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_operation_payee_r_payee_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilisé par operation)
Nom de la contrainte : fki_operation_payee_r_payee_id_id’) WHERE NEW.r_payee_id!=0 AND
NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN
DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par suboperation)
Nom de la contrainte : fki_suboperation_operation_rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_operation_rd_operation_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par suboperation)
Nom de la contrainte : fku_suboperation_operation_rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkd_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
UPDATE suboperation SET r_category_id=0 WHERE r_category_id=OLD.id; END;
CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (refund est utilisé par suboperation)
Nom de la contrainte : fki_suboperation_refund_r_refund_id_id') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_refund_r_refund_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (refund est utilisé par suboperation)
Nom de la contrainte : fku_suboperation_refund_r_refund_id_id') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;
CREATE TRIGGER fkd_suboperation_refund_r_refund_id_id BEFORE DELETE ON refund FOR EACH ROW BEGIN     UPDATE suboperation SET r_refund_id=0 WHERE r_refund_id=OLD.id; END;
CREATE TRIGGER fki_unit_unit_rq_unit_id_id BEFORE INSERT ON unit FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (unit est utilisé par unit) Nom de la contrainte : fki_unit_unit_rq_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fku_unit_unit_rq_unit_id_id BEFORE UPDATE ON unit FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilisé par unit) Nom de la contrainte : fku_unit_unit_rq_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fkdc_unit_unit_id_rq_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN     DELETE FROM unit WHERE unit.rd_unit_id = OLD.id; END;
CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de détruire un objet (category est utilisé par
vm_budget_tmp) Nom de la contrainte : fkd_vm_budget_tmp_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkdc_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN     DELETE FROM vm_category_display_tmp WHERE vm_category_display_tmp.rd_category_id = OLD.id; END;
CREATE VIEW v_unit_displayname AS SELECT *, t_name||' ('||t_symbol||')' AS t_displayname FROM unit;
CREATE VIEW v_unit_tmp1 AS SELECT *,(SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN '' ELSE (SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=unit.rd_unit_id) END) AS t_UNIT,(CASE unit.t_type WHEN '1' THEN 'Monnaie principale' WHEN '2' THEN 'Monnaie secondaire' WHEN 'C' THEN 'Monnaie' WHEN 'S' THEN 'Action' WHEN 'I' THEN 'Indice' ELSE 'Objet' END) AS t_TYPENLS, (SELECT MIN(s.d_date) FROM  unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MINDATE, (SELECT MAX(s.d_date) FROM  unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MAXDATE from unit;
CREATE VIEW v_unit_tmp2 AS SELECT *,CASE WHEN v_unit_tmp1.t_type='1' THEN 1 ELSE IFNULL((SELECT s.f_quantity FROM unitvalue s WHERE s.rd_unit_id=v_unit_tmp1.id AND s.d_date=v_unit_tmp1.d_MAXDATE),1) END AS f_LASTVALUE from v_unit_tmp1;
CREATE VIEW v_unit AS SELECT *,v_unit_tmp2.f_LASTVALUE*IFNULL((SELECT s2.f_LASTVALUE FROM v_unit_tmp2 s2 WHERE s2.id=v_unit_tmp2.rd_unit_id) , 1) AS f_CURRENTAMOUNT from v_unit_tmp2;
CREATE VIEW v_unitvalue_displayname AS SELECT *, (SELECT t_displayname FROM v_unit_displayname WHERE unitvalue.rd_unit_id=v_unit_displayname.id)||' '||STRFTIME('%d/%m/%Y',d_date) AS t_displayname FROM unitvalue;
CREATE VIEW v_unitvalue AS SELECT * FROM unitvalue;
v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status='N' AND s.t_template='N') AS f_COMING_SOON, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.d_date<=date('now') AND s.t_template='N') AS f_TODAYAMOUNT, (SELECT count(*) FROM v_operation_display s WHERE s.rd_account_id=v_account.id) AS i_NBOPERATIONS, IFNULL((SELECT s.f_rate FROM interest s WHERE s.rd_account_id=v_account.id AND s.d_date=v_account.d_MAXDATE),0) AS f_RATE FROM v_account, bank WHERE bank.id=v_account.rd_bank_id;

CREATE VIEW v_operation_consolidated AS SELECT (SELECT s.t_TYPENLS FROM v_account_display s WHERE s.id=op.rd_account_id) AS t_ACCOUNTTYPE,(SELECT u.t_TYPENLS FROM v_unit u WHERE u.id=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.tCATEGORY AS t_REALCATEGORY, sop.t_REFUND AS t_REALREFUND, sop.r_category_id AS i_IDCATEGORY, (CASE WHEN sop.f_value<0 THEN '-' WHEN sop.f_value=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN sop.f_value<0 THEN 'Dépense' WHEN sop.f_value=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, sop.f_value AS f_REALQUANTITY, sop.f_VALUE_INCOME AS f_REALQUANTITY_INCOME, sop.f_VALUE_EXPENSE AS f_REALQUANTITY_EXPENSE, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_value) AS f_REALCURRENTAMOUNT, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_INCOME) AS f_REALCURRENTAMOUNT_INCOME, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_EXPENSE) AS f_REALCURRENTAMOUNT_EXPENSE, op.* FROM v_operation_display_all AS op, v_suboperation_display AS sop WHERE op.t_template='N' AND sop.rd_operation_id=op.ID;

CREATE VIEW v_operation_prop AS SELECT p.id AS i_PROPPID, p.t_name AS i_PROPNAME, p.t_value AS i_PROPVALUE, op.* FROM v_operation_consolidated AS op LEFT OUTER JOIN parameters AS p ON p.t_uuid_parent=op.id||'-operation';

CREATE VIEW v_refund_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE r_refund_id=refund.id AND t_status='Y') THEN 'Vous n’êtes pas autorisé à détruire ce suiveur car utilisé par des opérations rapprochées' END) t_delete_message FROM refund;

CREATE VIEW v_refund AS SELECT *, (SELECT TOTAL(o.f_CURRENTAMOUNT) FROM v_operation o WHERE o.r_refee_id=refund.id AND o.t_template='N') AS f_CURRENTAMOUNT FROM refund;

CREATE VIEW v_refund_display AS SELECT *,(SELECT MIN(o.d_date) FROM v_operation_consolidated o WHERE o.r_refee_id=refund.id) AS d_FIRSTDATE, (SELECT MAX(o.d_date) FROM v_operation_consolidated o WHERE o.r_refee_id=refund.id) AS d_LASTDATE  FROM v_refund;

CREATE VIEW v_refund_displayname AS SELECT *, t_name AS t_displayname FROM refund;

CREATE VIEW v_payee_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE r_payee_id=payee.id AND t_status='Y') THEN 'Vous n’êtes pas autorisé à détruire ce tiers car utilisé par des opérations rapprochées' END) t_delete_message FROM payee;

CREATE VIEW v_payee AS SELECT *, (SELECT TOTAL(o.f_CURRENTAMOUNT) FROM v_operation o WHERE o.r_payee_id=payee.id AND o.t_template='N') AS f_CURRENTAMOUNT FROM payee;

CREATE VIEW v_payee_display AS SELECT FROM v_payee;

CREATE VIEW v_payee_displayname AS SELECT *, t_name AS t_displayname FROM payee;

CREATE VIEW v_category_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE (t_REALCATEGORY=category.t_fullname OR t_REALCATEGORY like category.t_fullname||'%') AND t_status='Y') THEN 'Vous n’êtes pas autorisé à détruire cette catégorie car utilisée par des opérations rapprochées' END) t_delete_message FROM category;

CREATE VIEW v_category_display_tmp AS SELECT *,(SELECT count(distinct(so.rd_operation_id)) FROM operation o, suboperation so WHERE so.rd_operation_id=o.id AND so.r_category_id=category.ID AND o.t_template='N') AS i_NBOPERATIONS, (SELECT TOTAL(o.f_CURRENTAMOUNT) FROM
v_operation_consolidated o WHERE o.i_IDCATEGORY=v_category.ID) AS f_REALCURRENTAMOUNT FROM v_category;

CREATE VIEW v_category_display AS SELECT *,f_REALCURRENTAMOUNT+(SELECT TOTAL(c.f_REALCURRENTAMOUNT) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %') AS f_SUMCURRENTAMOUNT, i_NBOPERATIONS+(SELECT CAST(TOTAL(c.i_NBOPERATIONS) AS INTEGER) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %') AS i_SUMNBOPERATIONS, (CASE WHEN t_bookmarked='Y' THEN 'Y' WHEN EXISTS(SELECT 1 FROM category c WHERE c.t_bookmarked='Y' AND c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %') THEN 'C' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD, (CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN '^' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSE,(CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dépense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS FROM vm_category_display_tmp;

CREATE VIEW v_recurrentoperation_display AS SELECT rop.*, op.t_ACCOUNT, op.i_number, op.t_mode, op.i_group_id, op.t_TRANSFER, op.t_PAYEE, op.t_comment, op.t_CATEGORY, op.t_status, op.f_CURRENTAMOUNT FROM v_recurrentoperation rop, v_operation_display_all AS op WHERE rop.rd_operation_id=op.ID;

CREATE VIEW v_rule AS SELECT *,(SELECT COUNT(1) FROM rule r WHERE r.f_sortorder<=rule.f_sortorder) AS i_ORDER FROM rule;

CREATE VIEW v_rule_displayname AS SELECT *, t_definition AS t_displayname FROM rule;

CREATE VIEW v_interest AS SELECT *,(SELECT s.t_name FROM account s WHERE s.id=interest.rd_account_id) AS t_ACCOUNT FROM interest;

CREATE VIEW v_interest_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||f_rate||'%' AS t_displayname FROM interest;

CREATE VIEW v_budgetrule AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),'' ) AS t_CATEGORYCONDITION, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id_target),'' ) AS t_CATEGORY, (CASE WHEN budgetrule.i_condition=-1 THEN 'Négatif' WHEN budgetrule.i_condition=1 THEN 'Positif' WHEN budgetrule.i_condition=0 THEN 'Tous' END) AS t_WHENNLS, f_quantity||(CASE WHEN budgetrule.t_absolute='N' THEN '%' ELSE (SELECT t_symbol FROM unit WHERE t_type='1') END) AS t_WHATNLS,(CASE WHEN budgetrule.t_rule='N' THEN 'Suivant' WHEN budgetrule.t_rule='C' THEN 'Courant' WHEN budgetrule.t_rule='Y' THEN 'Année' END) AS t_RULENLS FROM budgetrule;

CREATE VIEW v_budgetrule_display AS SELECT * FROM v_budgetrule;

CREATE VIEW v_budgetrule_displayname AS SELECT *, t_WHENNLS||' '||t_WHATNLS||' '||t_RULENLS||' '||t_CATEGORY AS t_displayname FROM v_budgetrule;

CREATE VIEW v_budget_tmp AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budget.rc_category_id),'' ) AS t_CATEGORY, (i_year||(CASE WHEN i_month=0 THEN '' WHEN i_month<10 THEN '-0'||i_month ELSE '-'||i_month END)) AS t_PERIOD, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.i_IDCATEGORY IN (SELECT b2.id_category FROM budgetcategory b2 WHERE b2.id=budget.id)) AS f_CURRENTAMOUNT, (SELECT GROUP_CONCAT(v_budgetrule_displayname.t_displayname,',') FROM v_budgetrule_displayname WHERE (v_budgetrule_displayname.t_year_condition='N' OR budget.i_year=v_budgetrule_displayname.i_year) AND (v_budgetrule_displayname.t_month_condition='N' OR budget.i_month=v_budgetrule_displayname.i_month) AND (v_budgetrule_displayname.t_category_condition='N' OR budget.rc_category_id=v_budgetrule_displayname.rc_category_id)) ORDER BY v_budgetrule_displayname.t_absolute DESC, v_budgetrule_displayname.id) AS t_RULES FROM budget;
CREATE VIEW v_budget AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM v_budget_tmp;
CREATE VIEW v_budget_display AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM vm_budget_tmp;
CREATE VIEW v_budget_displayname AS SELECT *, t_CATEGORY||' '||t_PERIOD||' '||f_budgeted_modified AS t_displayname FROM v_budget;
CREATE TRIGGER fkdc_bank_parameters_uuid BEFORE DELETE ON bank FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'bank'; END;
CREATE TRIGGER fkdc_account_parameters_uuid BEFORE DELETE ON account FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'account'; END;
CREATE TRIGGER fkdc_unit_parameters_uuid BEFORE DELETE ON unit FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unit'; END;
CREATE TRIGGER fkdc_univalue_parameters_uuid BEFORE DELETE ON univalue FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'univalue'; END;
CREATE TRIGGER fkdc_category_parameters_uuid BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'category'; END;
CREATE TRIGGER fkdc_operation_parameters_uuid BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'operation'; END;
CREATE TRIGGER fkdc_interest_parameters_uuid BEFORE DELETE ON interest FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'interest'; END;
CREATE TRIGGER fkdc_suboperation_parameters_uuid BEFORE DELETE ON suboperation FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'suboperation'; END;
CREATE TRIGGER fkdc_refund_parameters_uuid BEFORE DELETE ON refund FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'refund'; END;
CREATE TRIGGER fkdc_payee_parameters_uuid BEFORE DELETE ON payee FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'payee'; END;
CREATE TRIGGER fkdc_recurrentoperation_parameters_uuid BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'recurrentoperation'; END;
CREATE TRIGGER fkdc_rule_parameters_uuid BEFORE DELETE ON rule FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'rule'; END;
CREATE TRIGGER fkdc_budget_parameters_uuid BEFORE DELETE ON budget FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budget'; END;
CREATE TRIGGER fkdc_budgetrule_parameters_uuid BEFORE DELETE ON budgetrule FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budgetrule'; END;
CREATE TRIGGER cpt_category_fullname1 AFTER INSERT ON category BEGIN UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER cpt_category_fullname2 AFTER UPDATE OF t_name, rd_category_id ON category BEGIN CASE WHEN rd_category_id IS NULL OR rd_category_id='"' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER fkdc_category_delete BEFORE DELETE ON category FOR EACH ROW BEGIN UPDATE suboperation SET r_category_id=OLD.rd_category_id WHERE r_category_id=OLD.id; END;
explain
    SELECT TOTAL(f_CURRENTAMOUNT), d_DATEMONTH
    from v_operation_display
    WHERE d_DATEMONTH IN ('2012-05', '2012-04')
    group by d_DATEMONTH, t_TYPEEXPENSE;
}
} {/* Goto */}

# The next test requires FTS4
ifcapable !fts3 {
    finish_test
    return
}

# Taken from the gnome-shell project
#
db close
forcedelete test.db
sqlite3 db test.db
do_test fuzz-oss1-gnomeshell {
db eval {
CREATE TABLE Resource (ID INTEGER NOT NULL PRIMARY KEY, Uri TEXT NOT NULL, UNIQUE (Uri));
CREATE VIRTUAL TABLE fts USING fts4;
CREATE TABLE "mfo:Action" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mfo:Enclosure" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:remoteLink" INTEGER, "mfo:remoteLink:graph" INTEGER, "mfo:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER, "mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER, "mfo:optional:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localDate" INTEGER, "mfo:downloadedTime:localTime" INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
CREATE TABLE "mfo:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER, "mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localDate" INTEGER, "mfo:downloadedTime:localTime" INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
CREATE TABLE "mfo:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:updateInterval" INTEGER, "mfo:updateInterval:graph" INTEGER,
"mfo:expiryInterval" INTEGER, "mfo:expiryInterval:graph" INTEGER,
"mfo:downloadPath" TEXT COLLATE NOCASE, "mfo:downloadPath:graph"
INTEGER, "mfo:downloadFlag" INTEGER, "mfo:downloadFlag:graph" INTEGER,
"mfo:maxSize" INTEGER, "mfo:maxSize:graph" INTEGER);
CREATE TABLE "mfo:FeedType" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:name" TEXT COLLATE NOCASE, "mfo:name:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID INTEGER NOT
NULL, "mlo:bbNorthWest" INTEGER NOT NULL, "mlo:bbNorthWest:graph"
INTEGER);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID INTEGER NOT
NULL, "mlo:bbSouthEast" INTEGER NOT NULL, "mlo:bbSouthEast:graph"
INTEGER);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL,
"mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph"
INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL,
"mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT
NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph"
INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL,
"mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL,
"mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city"
TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL,
"mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL,
"mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL,
"mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL,
"mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL,
"mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp:graph" INTEGER,
"mlo:timestamp:localDate" INTEGER NOT NULL, "mlo:timestamp:localTime"
INTEGER NOT NULL);
CREATE TABLE "mlo:GeoSphere" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoSphere_mlo:radius" (ID INTEGER NOT NULL,
"mlo:radius" REAL NOT NULL, "mlo:radius:graph" INTEGER);
CREATE TABLE "mlo:Landmark" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory_mlo:isRemovable" (ID INTEGER NOT
NULL, "mlo:isRemovable" INTEGER NOT NULL, "mlo:isRemovable:graph"
INTEGER);
CREATE TABLE "mlo:Landmark_mlo:belongsToCategory" (ID INTEGER NOT
NULL, "mlo:belongsToCategory" INTEGER NOT NULL,
"mlo:belongsToCategory:graph" INTEGER);
CREATE TABLE "mlo:Landmark_mlo:poiLocation" (ID INTEGER NOT NULL,
"mlo:poiLocation" INTEGER NOT NULL, "mlo:poiLocation:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID INTEGER
NOT NULL, "mlo:boxEastLimit" INTEGER NOT NULL,
"mlo:boxEastLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID INTEGER
NOT NULL, "mlo:boxNorthLimit" INTEGER NOT NULL,
"mlo:boxNorthLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID
INTEGER NOT NULL, "mlo:boxSouthWestCorner" INTEGER NOT NULL,
"mlo:boxSouthWestCorner:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID
INTEGER NOT NULL, "mlo:boxVerticalLimit" INTEGER NOT NULL,
"mlo:boxVerticalLimit:graph" INTEGER);
CREATE TABLE "mlo:PointOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route_mlo:endTime" (ID INTEGER NOT NULL,
"mlo:endTime" INTEGER NOT NULL, "mlo:endTime:graph" INTEGER,
"mlo:endTime:localDate" INTEGER NOT NULL, "mlo:endTime:localTime"
INTEGER NOT NULL);
CREATE TABLE "mlo:Route_mlo:routeDetails" (ID INTEGER NOT NULL,
"mlo:routeDetails" TEXT NOT NULL, "mlo:routeDetails:graph" INTEGER);
CREATE TABLE "mlo:Route_mlo:startTime" (ID INTEGER NOT NULL,
"mlo:startTime" INTEGER NOT NULL, "mlo:startTime:graph" INTEGER,
"mlo:startTime:localDate" INTEGER NOT NULL, "mlo:startTime:localTime"
INTEGER NOT NULL);
CREATE TABLE "mto:DownloadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:State" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:SyncTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:Transfer" (ID INTEGER NOT NULL PRIMARY KEY,
"mto:transferState" INTEGER, "mto:transferState:graph" INTEGER,
"mto:method" INTEGER, "mto:method:graph" INTEGER, "mto:created"
INTEGER, "mto:created:graph" INTEGER, "mto:created:localDate" INTEGER,
"mto:created:localTime" INTEGER, "mto:account" TEXT COLLATE NOCASE,
"mto:account:graph" INTEGER, "mto:starter" INTEGER,
"mto:starter:graph" INTEGER, "mto:agent" INTEGER, "mto:agent:graph"
INTEGER);
CREATE TABLE "mto:TransferElement" (ID INTEGER NOT NULL PRIMARY KEY,
"mto:source" INTEGER, "mto:source:graph" INTEGER, "mto:destination"
INTEGER, "mto:destination:graph" INTEGER, "mto:startedTime" INTEGER,
"mto:startedTime:graph" INTEGER, "mto:startedTime:localDate" INTEGER,
"mto:startedTime:localTime" INTEGER, "mto:completedTime" INTEGER,

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"mto:completedTime:graph" INTEGER, "mto:completedTime:localDate" INTEGER, "mto:completedTime:localTime" INTEGER, "mto:state" INTEGER, "mto:state:graph" INTEGER);
CREATE TABLE "mto:TransferMethod" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:Transfer_mto:transferList" (ID INTEGER NOT NULL, "mto:transferList" INTEGER NOT NULL, "mto:transferList:graph" INTEGER);
CREATE TABLE "mto:Transfer_mto:transferPrivacyLevel" (ID INTEGER NOT NULL, "mto:transferPrivacyLevel" TEXT NOT NULL, "mto:transferPrivacyLevel:graph" INTEGER);
CREATE TABLE "mto:UploadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:UploadTransfer_mto:transferCategory" (ID INTEGER NOT NULL, "mto:transferCategory" TEXT NOT NULL, "mto:transferCategory:graph" INTEGER);
CREATE TABLE "mtp:ScanType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nao:Property" (ID INTEGER NOT NULL PRIMARY KEY, "nao:propertyName" TEXT COLLATE NOCASE, "nao:propertyName:graph" INTEGER, "nao:propertyValue" TEXT COLLATE NOCASE, "nao:propertyValue:graph" INTEGER);
CREATE TABLE "nao:Tag" (ID INTEGER NOT NULL PRIMARY KEY, "nao:prefLabel" TEXT COLLATE NOCASE, "nao:prefLabel:graph" INTEGER, "nao:description" TEXT COLLATE NOCASE, "nao:description:graph" INTEGER);
CREATE TABLE "nao:Tag_tracker:isDefaultTag" (ID INTEGER NOT NULL, "tracker:isDefaultTag" INTEGER NOT NULL, "tracker:isDefaultTag:graph" INTEGER);
CREATE TABLE "nao:Tag_tracker:tagRelatedTo" (ID INTEGER NOT NULL, "tracker:tagRelatedTo" INTEGER NOT NULL, "tracker:tagRelatedTo:graph" INTEGER);
CREATE TABLE "ncal:AccessClassification" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Alarm" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:repeat" INTEGER, "ncal:repeat:graph" INTEGER);
CREATE TABLE "ncal:AlarmAction" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Attachment" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:attachmentUri" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:fmttype" TEXT COLLATE NOCASE, "ncal:fmttype:graph" INTEGER, "ncal:encoding" INTEGER, "ncal:encoding:graph" INTEGER, "ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER);
CREATE TABLE "ncal:AttachmentEncoding" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:AttendeeOrOrganizer" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:dir" INTEGER, "ncal:dir:graph" INTEGER, "ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER, "ncal:bydayRulePart_ncal:bydayModifier" (ID INTEGER NOT NULL, "ncal:bydayModifier:graph" INTEGER);
CREATE TABLE "ncal:NcalTimeEntity" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Organizer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:ParticipationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceFrequency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceIdentifier" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:range" INTEGER, "ncal:range:graph" INTEGER, "ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifierRange" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceRule_ncal:byday" (ID INTEGER NOT NULL, "ncal:byday" INTEGER NOT NULL, "ncal:byday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byhour" (ID INTEGER NOT NULL, "ncal:byhour" INTEGER NOT NULL, "ncal:byhour:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byminute" (ID INTEGER NOT NULL, "ncal:byminute" INTEGER NOT NULL, "ncal:byminute:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonth" (ID INTEGER NOT NULL, "ncal:bymonth" INTEGER NOT NULL, "ncal:bymonth:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonthday" (ID INTEGER NOT NULL, "ncal:bymonthday" INTEGER NOT NULL, "ncal:bymonthday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysecond" (ID INTEGER NOT NULL, "ncal:bysecond" INTEGER NOT NULL, "ncal:bysecond:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysetpos" (ID INTEGER NOT NULL, "ncal:bysetpos" INTEGER NOT NULL, "ncal:bysetpos:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byweekno" (ID INTEGER NOT NULL, "ncal:byweekno" INTEGER NOT NULL, "ncal:byweekno:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byyearday" (ID INTEGER NOT NULL, "ncal:byyearday" INTEGER NOT NULL, "ncal:byyearday:graph" INTEGER);
CREATE TABLE "ncal:RequestStatus" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:statusDescription" TEXT COLLATE NOCASE, "ncal:statusDescription:graph" INTEGER, "ncal:returnStatus" TEXT COLLATE NOCASE, "ncal:returnStatus:graph" INTEGER, "ncal:requestStatusData" TEXT COLLATE NOCASE, "ncal:requestStatusData:graph" INTEGER);
CREATE TABLE "ncal:TimeTransparency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:TimezoneObservance" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:tzid:graph" INTEGER);
CREATE TABLE "ncal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Trigger" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:related" INTEGER, "ncal:related:graph" INTEGER, "ncal:triggerDateTime" INTEGER, "ncal:triggerDateTime:graph" INTEGER, "ncal:triggerDateTime:localDate" INTEGER, "ncal:triggerDateTime:localTime" INTEGER, "ncal:triggerDuration" INTEGER, "ncal:triggerDuration:graph" INTEGER);
CREATE TABLE "ncal:TriggerRelation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:UnionParentClass_ncal:attach" (ID INTEGER NOT NULL, "ncal:attach" INTEGER NOT NULL, "ncal:attach:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attendee" (ID INTEGER NOT NULL, "ncal:attendee" INTEGER NOT NULL, "ncal:attendee:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:categories" (ID INTEGER NOT NULL, "ncal:categories" TEXT NOT NULL, "ncal:categories:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exdate" (ID INTEGER NOT NULL, "ncal:exdate" INTEGER NOT NULL, "ncal:exdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exrule" (ID INTEGER NOT NULL, "ncal:exrule" INTEGER NOT NULL, "ncal:exrule:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:hasAlarm" (ID INTEGER NOT NULL, "ncal:hasAlarm" INTEGER NOT NULL, "ncal:hasAlarm:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:ncalRelation" (ID INTEGER NOT NULL, "ncal:ncalRelation" TEXT NOT NULL, "ncal:ncalRelation:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rdate" (ID INTEGER NOT NULL, "ncal:rdate" INTEGER NOT NULL, "ncal:rdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToChild" (ID INTEGER NOT NULL, "ncal:relatedToChild" TEXT NOT NULL, "ncal:relatedToChild:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToParent" (ID INTEGER NOT NULL, "ncal:relatedToParent" TEXT NOT NULL, "ncal:relatedToParent:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:resources" (ID INTEGER NOT NULL, "ncal:resources" TEXT NOT NULL, "ncal:resources:graph" INTEGER);
CREATE TABLE "ncal:Weekday" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Affiliation" (ID INTEGER NOT NULL PRIMARY KEY, "nco:department" TEXT COLLATE NOCASE, "nco:department:graph" INTEGER, "nco:org" INTEGER, "nco:org:graph" INTEGER, "nco:role" TEXT COLLATE NOCASE, "nco:role:graph" INTEGER);
CREATE TABLE "nco:Affiliation_nco:title" (ID INTEGER NOT NULL, "nco:title" TEXT NOT NULL, "nco:title:graph" INTEGER);
CREATE TABLE "nco:AuthorizationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:CellPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Contact" (ID INTEGER NOT NULL PRIMARY KEY, "nco:fullname" TEXT COLLATE NOCASE, "nco:fullname:graph" INTEGER, "nco:key" INTEGER, "nco:key:graph" INTEGER, "nco:contactUID" TEXT
CREATE TABLE "nco:ContactGroup" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactGroupName" TEXT COLLATE NOCASE, "nco:contactGroupName:graph" INTEGER);
CREATE TABLE "nco:ContactList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactListDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactList_nco:containsContact" (ID INTEGER NOT NULL, "nco:containsContact" INTEGER NOT NULL, "nco:containsContact:graph" INTEGER);
CREATE TABLE "nco:ContactMedium" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactMediumComment" TEXT COLLATE NOCASE, "nco:contactMediumComment:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL, "nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL, "nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL, "nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:DomesticDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:EmailAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:emailAddress" TEXT COLLATE NOCASE UNIQUE, "nco:emailAddress:graph" INTEGER);
CREATE TABLE "nco:FaxNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Gender" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IMAccount" (ID INTEGER NOT NULL PRIMARY KEY, "nco:imAccountAddress" INTEGER UNIQUE, "nco:imAccountAddress:graph" INTEGER, "nco:imAccountType" TEXT COLLATE NOCASE, "nco:imAccountType:graph" INTEGER, "nco:DisplayName" TEXT COLLATE NOCASE, "nco:DisplayName:graph" INTEGER, "nco:imEnabled" INTEGER, "nco:imEnabled:graph" INTEGER);
CREATE TABLE "nco:IMAccount_nco:hasIMContact" (ID INTEGER NOT NULL,
CREATE TABLE "nco:IMAddress_nco:imCapability" (ID INTEGER NOT NULL, "nco:imCapability" INTEGER NOT NULL, "nco:imCapability:graph" INTEGER);
CREATE TABLE "nco:IMCapability" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:InternationalDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IsdnNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:MessagingNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ModemNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:OrganizationContact" (ID INTEGER NOT NULL PRIMARY KEY, "nco:logo" INTEGER, "nco:logo:graph" INTEGER);
CREATE TABLE "nco:PagerNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ParcelDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PcsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER, "nco:hasIMContact" INTEGER NOT NULL, "nco:hasIMContact:graph" INTEGER) ;
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<td>&quot;nfo:Cursor&quot; INTEGER</td>
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<td>Cursor integer</td>
<td>&quot;nfo:Cursor:graph&quot; INTEGER</td>
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<td>&quot;nfo:Cursor:graph&quot; INTEGER</td>
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<td>&quot;nfo:DeletedResource&quot; INTEGER</td>
<td>INTEGER</td>
<td>Deleted Resource integer</td>
<td>&quot;nfo:DeletedResource:graph&quot; INTEGER</td>
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<td>&quot;nfo:DataContainer:graph&quot; INTEGER</td>
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<td>&quot;nfo:fileLastAccessed:graph&quot; INTEGER</td>
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<td>&quot;nfo:fileCreated&quot; INTEGER</td>
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<td>&quot;nfo:fileCreated:graph&quot; INTEGER</td>
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<td>&quot;nfo:fileCreated:graph&quot; INTEGER</td>
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<tr>
<td>&quot;nfo:originalLocation&quot; TEXT</td>
<td>TEXT COLLATE NOCASE</td>
<td>Original Location text</td>
<td>&quot;nfo:originalLocation:graph&quot; INTEGER</td>
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<tr>
<td>&quot;nfo:originalLocation:graph&quot; INTEGER</td>
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<tr>
<td>&quot;nfo:tableOfContents&quot; TEXT</td>
<td>TEXT COLLATE NOCASE</td>
<td>Table Of Contents text</td>
<td>&quot;nfo:tableOfContents:graph&quot; INTEGER</td>
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<td>&quot;nfo:tableOfContents:graph&quot; INTEGER</td>
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<tr>
<td>&quot;nfo:EmbeddedFileDataObject&quot; INTEGER</td>
<td></td>
<td>Embedded File Data Object integer</td>
<td>&quot;nfo:Encoding&quot; TEXT COLLATE NOCASE, &quot;nfo:Encoding:graph&quot; INTEGER</td>
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<td>&quot;nfo:Encoding&quot; TEXT COLLATE NOCASE, &quot;nfo:Encoding:graph&quot; INTEGER</td>
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"nfo:fileCreated:graph" INTEGER, "nfo:fileCreated:localDate" INTEGER,
"nfo:fileCreated:localTime" INTEGER, "nfo:fileSize" INTEGER,
"nfo:fileSize:graph" INTEGER, "nfo:permissions" TEXT COLLATE NOCASE,
"nfo:permissions:graph" INTEGER, "nfo:fileName" TEXT COLLATE NOCASE,
"nfo:fileName:graph" INTEGER, "nfo:hasHash" INTEGER,
"nfo:hasHash:graph" INTEGER, "nfo:fileOwner" INTEGER,
"nfo:fileOwner:graph" INTEGER, "nfo:fileLastModified" INTEGER,
"nfo:fileLastModified:graph" INTEGER, "nfo:fileLastModified:localDate"
INTEGER, "nfo:fileLastModified:localTime" INTEGER);
CREATE TABLE "nfo:FileHash" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:hashValue" TEXT COLLATE NOCASE, "nfo:hashValue:graph" INTEGER,
"nfo:hashAlgorithm" TEXT COLLATE NOCASE, "nfo:hashAlgorithm:graph"
INTEGER);
CREATE TABLE "nfo:Filesystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FilesystemImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Folder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Font" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph" INTEGER,
"nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
CREATE TABLE "nfo:HardDiskPartition" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HelpDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HtmlDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Icon" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Image" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:verticalResolution" INTEGER, "nfo:verticalResolution:graph"
INTEGER, "nfo:horizontalResolution" INTEGER,
"nfo:horizontalResolution:graph" INTEGER, "nfo:orientation" INTEGER,
"nfo:orientation:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:depicts" (ID INTEGER NOT NULL,
"nfo:depicts" INTEGER NOT NULL, "nfo:depicts:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:hasRegionOfInterest" (ID INTEGER NOT NULL,
"nfo:hasRegionOfInterest" INTEGER NOT NULL,
"nfo:hasRegionOfInterest:graph" INTEGER);
CREATE TABLE "nfo:Media" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:count"
INTEGER, "nfo:count:graph" INTEGER, "nfo:duration" INTEGER,
"nfo:duration:graph" INTEGER, "nfo:compressionType" INTEGER,
"nfo:compressionType:graph" INTEGER, "nfo:hasMediaStream" INTEGER,
"nfo:hasMediaStream:graph" INTEGER, "nfo:bitDepth" INTEGER,
"nfo:bitDepth:graph" INTEGER, "nfo:codec" TEXT COLLATE NOCASE,
"nfo:codec:graph" INTEGER, "nfo:encodedBy" TEXT COLLATE NOCASE,
"nfo:encodedBy:graph" INTEGER, "nfo:bitrateType" TEXT COLLATE NOCASE,
"nfo:bitrateType:graph" INTEGER, "nfo:averageBitrate" REAL,
"nfo:averageBitrate:graph" INTEGER, "nfo:genre" TEXT COLLATE NOCASE,
"nfo:genre:graph" INTEGER, "nfo:equipment" INTEGER,
"nfo:equipment:graph" INTEGER, "nfo:lastPlayedPosition" INTEGER,
"nfo:lastPlayedPosition:graph" INTEGER, "nmm:genre" TEXT COLLATE NOCASE,
"nmm:genre:graph" INTEGER, "nmm:skipCounter" INTEGER,
"nmm:skipCounter:graph" INTEGER, "nmm:dlnaProfile" TEXT COLLATE
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CREATE TABLE "nfo:MediaFileListEntry" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:listPosition" REAL, "nfo:listPosition:graph" INTEGER, "nfo:entryUrl" TEXT COLLATE NOCASE, "nfo:entryUrl:graph" INTEGER);
CREATE TABLE "nfo:MediaList" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:entryCounter" INTEGER, "nfo:entryCounter:graph" INTEGER, "nfo:listDuration" INTEGER, "nfo:listDuration:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:hasMediaFileListEntry" (ID INTEGER NOT NULL, "nfo:hasMediaFileListEntry" INTEGER NOT NULL, "nfo:hasMediaFileListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:mediaListEntry" (ID INTEGER NOT NULL, "nfo:mediaListEntry" INTEGER NOT NULL, "nfo:mediaListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaStream" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Media_mtp:hidden" (ID INTEGER NOT NULL, "mtp:hidden" INTEGER NOT NULL, "mtp:hidden:graph" INTEGER);
CREATE TABLE "nfo:Media_nmm:alternativeMedia" (ID INTEGER NOT NULL, "nmm:alternativeMedia" INTEGER NOT NULL, "nmm:alternativeMedia:graph" INTEGER);
CREATE TABLE "nfo:MindMap" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Note" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:OperatingSystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Orientation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:PaginatedTextDocument" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:pageCount" INTEGER, "nfo:pageCount:graph" INTEGER);
CREATE TABLE "nfo:PlainTextDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Presentation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RasterImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RegionOfInterest" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:regionOfInterestX" REAL, "nfo:regionOfInterestX:graph" INTEGER, "nfo:regionOfInterestY" REAL, "nfo:regionOfInterestY:graph" INTEGER, "nfo:regionOfInterestWidth" REAL, "nfo:regionOfInterestWidth:graph" INTEGER, "nfo:regionOfInterestHeight" REAL, "nfo:regionOfInterestHeight:graph" INTEGER, "nfo:regionOfInterestType" INTEGER, "nfo:regionOfInterestType:graph" INTEGER, "nfo:roiRefersTo" INTEGER, "nfo:roiRefersTo:graph" INTEGER);
CREATE TABLE "nfo:RegionOfInterestContent" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemoteDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemotePortAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Software" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:conflicts" INTEGER, "nfo:conflicts:graph" INTEGER, "nfo:supercedes" INTEGER, "nfo:supercedes:graph" INTEGER, "nfo:softwareIcon" INTEGER, "nfo:softwareIcon:graph" INTEGER, "nfo:softwareCmdLine" TEXT COLLATE NOCASE,
CREATE TABLE "nfo:SoftwareApplication" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SoftwareCategory" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:softwareCategoryIcon" INTEGER,
  "nfo:softwareCategoryIcon:graph" INTEGER);
CREATE TABLE "nfo:SoftwareItem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SoftwareService" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SourceCode" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:commentCharacterCount" INTEGER,
  "nfo:commentCharacterCount:graph" INTEGER,
  "nfo:programmingLanguage" TEXT COLLATE NOCASE,
  "nfo:programmingLanguage:graph" INTEGER,
  "nfo:definesClass" TEXT COLLATE NOCASE,
  "nfo:definesClass:graph" INTEGER,
  "nfo:definesFunction" TEXT COLLATE NOCASE,
  "nfo:definesFunction:graph" INTEGER,
  "nfo:definesGlobalVariable" TEXT COLLATE NOCASE,
  "nfo:definesGlobalVariable:graph" INTEGER);
CREATE TABLE "nfo:Spreadsheet" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:TextDocument" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:wordCount" INTEGER,
  "nfo:wordCount:graph" INTEGER,
  "nfo:lineCount" INTEGER,
  "nfo:lineCount:graph" INTEGER,
  "nfo:characterCount" INTEGER,
  "nfo:characterCount:graph" INTEGER);
CREATE TABLE "nfo:Trash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:VectorImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Video" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:frameRate" REAL,
  "nfo:frameRate:graph" INTEGER,
  "nfo:frameCount" INTEGER,
  "nfo:frameCount:graph" INTEGER,
  "nfo:averageVideoBitrate" REAL,
  "nfo:averageVideoBitrate:graph" INTEGER);
CREATE TABLE "nfo:Visual" (ID INTEGER NOT NULL PRIMARY KEY,
  "nie:contentCreated" INTEGER,
  "nie:contentCreated:graph" INTEGER,
  "nie:contentCreated:localDate" INTEGER,
  "nie:contentCreated:localTime" INTEGER,
  "nfo:aspectRatio" REAL,
  "nfo:aspectRatio:graph" INTEGER,
  "nfo:heading" REAL,
  "nfo:heading:graph" INTEGER,
  "nfo:tilt" REAL,
  "nfo:tilt:graph" INTEGER,
  "nfo:interlaceMode" INTEGER,
  "nfo:interlaceMode:graph" INTEGER,
  "nfo:height" INTEGER,
  "nfo:height:graph" INTEGER,
  "nfo:width" INTEGER,
  "nfo:width:graph" INTEGER,
  "nfo:colorDepth" INTEGER,
  "nfo:colorDepth:graph" INTEGER);
CREATE TABLE "nfo:WebHistory" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:domain" TEXT COLLATE NOCASE,
  "nfo:domain:graph" INTEGER,
  "nfo:uri" TEXT COLLATE NOCASE,
  "nfo:uri:graph" INTEGER);
CREATE TABLE "nfo:Website" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nid3:ID3Audio" (ID INTEGER NOT NULL PRIMARY KEY,
  "nid3:title" TEXT COLLATE NOCASE,
  "nid3:title:graph" INTEGER,
  "nid3:albumTitle" TEXT COLLATE NOCASE,
  "nid3:albumTitle:graph" INTEGER,
  "nid3:contentType" TEXT COLLATE NOCASE,
  "nid3:contentType:graph" INTEGER,
  "nid3:length" INTEGER,
  "nid3:length:graph" INTEGER,
  "nid3:recordingYear" INTEGER,
  "nid3:recordingYear:graph" INTEGER,
  "nid3:trackNumber" TEXT COLLATE NOCASE,
  "nid3:trackNumber:graph" INTEGER,
  "nid3:partOfSet" TEXT COLLATE NOCASE,
  "nid3:partOfSet:graph" INTEGER,
  "nid3:comments" TEXT
CREATE TABLE "nid3:ID3Audio_nid3:leadArtist" (ID INTEGER NOT NULL, "nid3:leadArtist" INTEGER NOT NULL, "nid3:leadArtist:graph" INTEGER);


CREATE TABLE "nie:DataObject_nie:dataSource" (ID INTEGER NOT NULL, "nie:dataSource" INTEGER NOT NULL, "nie:dataSource:graph" INTEGER);

CREATE TABLE "nie:DataObject_nie:isPartOf" (ID INTEGER NOT NULL, "nie:isPartOf" INTEGER NOT NULL, "nie:isPartOf:graph" INTEGER);

CREATE TABLE "nie:DataSource" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "nie:InformationElement_mlo:location" (ID INTEGER NOT NULL, "mlo:location" INTEGER NOT NULL, "mlo:location:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nao:hasProperty" (ID INTEGER NOT NULL, "nao:hasProperty" INTEGER NOT NULL, "nao:hasProperty:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:contributor" (ID INTEGER NOT NULL, "nco:contributor" INTEGER NOT NULL, "nco:contributor:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:creator" (ID INTEGER NOT NULL, "nco:creator" INTEGER NOT NULL, "nco:creator:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasLogicalPart" (ID INTEGER NOT NULL, "nie:hasLogicalPart" INTEGER NOT NULL, "nie:hasLogicalPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasPart" (ID INTEGER NOT NULL, "nie:hasPart" INTEGER NOT NULL, "nie:hasPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:informationElementDate" (ID INTEGER NOT NULL, "nie:informationElementDate" INTEGER NOT NULL, "nie:informationElementDate:graph" INTEGER, "nie:informationElementDate:localDate" INTEGER NOT NULL, "nie:informationElementDate:localTime" INTEGER NOT NULL);
CREATE TABLE "nie:InformationElement_nie:isLogicalPartOf" (ID INTEGER NOT NULL, "nie:isLogicalPartOf" INTEGER NOT NULL, "nie:isLogicalPartOf:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:keyword" (ID INTEGER NOT NULL, "nie:keyword" TEXT NOT NULL, "nie:keyword:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:relatedTo" (ID INTEGER NOT NULL, "nie:relatedTo" INTEGER NOT NULL, "nie:relatedTo:graph" INTEGER);
CREATE TABLE "nmm:AnalogRadio" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:modulation" INTEGER, "nmm:modulation:graph" INTEGER, "nmm:frequency" INTEGER, "nmm:frequency:graph" INTEGER);
CREATE TABLE "nmm:Artist" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:artistName" TEXT COLLATE NOCASE, "nmm:artistName:graph" INTEGER);
CREATE TABLE "nmm:Flash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:ImageList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:Video" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:videoAlbum" INTEGER, "nmm:videoAlbum:graph" INTEGER, "nmm:isSeries" INTEGER, "nmm:isSeries:graph" INTEGER, "nmm:season" INTEGER, "nmm:season:graph" INTEGER, "nmm:episodeNumber" INTEGER, "nmm:episodeNumber:graph" INTEGER, "nmm:runTime" INTEGER, "nmm:runTime:graph" INTEGER, "nmm:synopsis" TEXT COLLATE NOCASE, "nmm:synopsis:graph" INTEGER, "nmm:MPAARating" TEXT COLLATE NOCASE, "nmm:MPAARating:graph" INTEGER, "nmm:category" TEXT COLLATE NOCASE, "nmm:category:graph" INTEGER, "nmm:producedBy" INTEGER, "nmm:producedBy:graph" INTEGER, "nmm:hasSubtitle" INTEGER, "nmm:hasSubtitle:graph" INTEGER, "nmm:isContentEncrypted" INTEGER, "nmm:isContentEncrypted:graph" INTEGER, "mtp:fourCC" TEXT COLLATE NOCASE, "mtp:fourCC:graph" INTEGER, "mtp:waveformat" TEXT COLLATE NOCASE, "mtp:waveformat:graph" INTEGER); CREATE TABLE "nmm:Video_mtp:scantype" (ID INTEGER NOT NULL, "mtp:scantype" INTEGER NOT NULL, "mtp:scantype:graph" INTEGER); CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL, "nmm:director" INTEGER NOT NULL, "nmm:director:graph" INTEGER); CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL, "nmm:leadActor" INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER); CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL, "nmm:subtitle" INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER); CREATE TABLE "nmm:WhiteBalance" (ID INTEGER NOT NULL PRIMARY KEY); CREATE TABLE "nmo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY); CREATE TABLE "nmo:Call" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, "nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, "nmo:duration" INTEGER, "nmo:duration:graph" INTEGER); CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:lastMessageDate" INTEGER, "nmo:lastMessageDate:graph" INTEGER, "nmo:lastMessageDate:localDate" INTEGER, "nmo:lastMessageDate:localTime" INTEGER, "nmo:lastSuccessfulMessageDate" INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER, "nmo:lastSuccessfulMessageDate:localDate" INTEGER, "nmo:lastSuccessfulMessageDate:localTime" INTEGER); CREATE TABLE "nmo:CommunicationChannel_nmo:hasParticipant" (ID INTEGER NOT NULL, "nmo:hasParticipant" INTEGER NOT NULL, "nmo:hasParticipant:graph" INTEGER); CREATE TABLE "nmo:Conversation" (ID INTEGER NOT NULL PRIMARY KEY); CREATE TABLE "nmo:DeliveryStatus" (ID INTEGER NOT NULL PRIMARY KEY); CREATE TABLE "nmo:Email" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:hasContent" INTEGER, "nmo:hasContent:graph" INTEGER, "nmo:isFlagged" INTEGER, "nmo:isFlagged:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:isRecent:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:status:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER); CREATE TABLE "nmo:Email_nmo:contentMimeType" (ID INTEGER NOT NULL,
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL, "nmo:cc" INTEGER NOT NULL, "nmo:cc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:hasAttachment" (ID INTEGER NOT NULL, "nmo:hasAttachment" INTEGER NOT NULL, "nmo:hasAttachment:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:inReplyTo" (ID INTEGER NOT NULL, "nmo:inReplyTo" INTEGER NOT NULL, "nmo:inReplyTo:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:messageHeader" (ID INTEGER NOT NULL, "nmo:messageHeader" INTEGER NOT NULL, "nmo:messageHeader:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:recipient" (ID INTEGER NOT NULL, "nmo:recipient" INTEGER NOT NULL, "nmo:recipient:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:references" (ID INTEGER NOT NULL, "nmo:references" INTEGER NOT NULL, "nmo:references:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:to" (ID INTEGER NOT NULL, "nmo:to" INTEGER NOT NULL, "nmo:to:graph" INTEGER);
CREATE TABLE "nmo:MimePart" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:charSet" TEXT COLLATE NOCASE, "nmo:charSet:graph" INTEGER, "nmo:contentId" TEXT COLLATE NOCASE, "nmo:contentId:graph" INTEGER, "nmo:contentTransferEncoding" TEXT COLLATE NOCASE, "nmo:contentTransferEncoding:graph" INTEGER, "nmo:contentDescription" TEXT COLLATE NOCASE, "nmo:contentDescription:graph" INTEGER, "nmo:contentDisposition" TEXT COLLATE NOCASE, "nmo:contentDisposition:graph" INTEGER);
CREATE TABLE "nmo:MimePart_nmo:mimeHeader" (ID INTEGER NOT NULL, "nmo:mimeHeader" INTEGER NOT NULL, "nmo:mimeHeader:graph" INTEGER);
CREATE TABLE "nmo:Multipart" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Multipart_nmo:partBoundary" (ID INTEGER NOT NULL, "nmo:partBoundary" TEXT NOT NULL, "nmo:partBoundary:graph" INTEGER);
CREATE TABLE "nmo:PermanentChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:PhoneMessageFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:phoneMessageFolderId" TEXT COLLATE NOCASE, "nmo:phoneMessageFolderId:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID INTEGER NOT NULL, "nmo:containsPhoneMessage" INTEGER NOT NULL, "nmo:containsPhoneMessage:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID INTEGER NOT NULL, "nmo:containsPhoneMessageFolder" INTEGER NOT NULL, "nmo:containsPhoneMessageFolder:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessage_nmo:toVCard" (ID INTEGER NOT NULL, "nmo:toVCard" INTEGER NOT NULL, "nmo:toVCard:graph" INTEGER);
CREATE TABLE "nmo:ReportReadStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:SMSMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:TransientChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:VOIPCall" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nrl:InverseFunctionalProperty" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "osinfo:Installer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "poi:ObjectOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdf:Property" (ID INTEGER NOT NULL PRIMARY KEY,
"rdfs:domain" INTEGER, "rdfs:domain:graph" INTEGER, "rdfs:range" INTEGER,
"rdfs:range:graph" INTEGER, "tracker:indexed" INTEGER,
"tracker:indexed:graph" INTEGER, "tracker:secondaryIndex" INTEGER,
"tracker:secondaryIndex:graph" INTEGER, "tracker:fulltextIndexed" INTEGER,
"tracker:fulltextIndexed:graph" INTEGER,
"tracker:fulltextNoLimit" INTEGER, "tracker:fulltextNoLimit:graph" INTEGER,
"tracker:transient" INTEGER, "tracker:transient:graph" INTEGER,
"tracker:weight" INTEGER, "tracker:weight:graph" INTEGER,
"tracker:defaultValue" TEXT COLLATE NOCASE,
"tracker:defaultValue:graph" TEXT COLLATE NOCASE,
"nrl:maxCardinality" INTEGER, "nrl:maxCardinality:graph" INTEGER,
"tracker:writeback" INTEGER, "tracker:writeback:graph" INTEGER,
"tracker:forceJournal" INTEGER, "tracker:forceJournal:graph" INTEGER);
CREATE TABLE "rdfs:Property_rdfs:subPropertyOf" (ID INTEGER NOT NULL,
"rdfs:subPropertyOf" INTEGER NOT NULL, "rdfs:subPropertyOf:graph" INTEGER);
CREATE TABLE "rdfs:Class" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:notify" INTEGER, "tracker:notify:graph" INTEGER);
CREATE TABLE "rdfs:Class_rdfs:subClassOf" (ID INTEGER NOT NULL,
"rdfs:subClassOf" INTEGER NOT NULL, "rdfs:subClassOf:graph" INTEGER);
CREATE TABLE "rdfs:Class_tracker:domainIndex" (ID INTEGER NOT NULL,
"tracker:domainIndex" INTEGER NOT NULL, "tracker:domainIndex:graph" INTEGER);
CREATE TABLE "rdfs:Literal" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdfs:Resource" (ID INTEGER NOT NULL PRIMARY KEY,
Available INTEGER NOT NULL, "rdfs:comment" TEXT COLLATE NOCASE,
"rdfs:comment:graph" INTEGER, "rdfs:label" TEXT COLLATE NOCASE,
"rdfs:label:graph" INTEGER, "tracker:added" INTEGER,
"tracker:added:graph" INTEGER, "tracker:added:localDate" INTEGER,
"tracker:added:localTime" INTEGER, "tracker:modified" INTEGER,
"tracker:modified:graph" INTEGER, "tracker:modified:localDate" INTEGER,
"tracker:modified:localTime" INTEGER, "tracker:damaged" INTEGER,
"tracker:damaged:graph" INTEGER, "dc:title" TEXT COLLATE NOCASE,
"dc:title:graph" INTEGER, "dc:creator" TEXT COLLATE NOCASE,
"dc:creator:graph" INTEGER, "dc:subject" TEXT COLLATE NOCASE,
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<th>Local Time</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>scal:AccessLevel</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
<td></td>
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<tr>
<td>2</td>
<td>scal:AttendanceStatus</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>scal:Attendee</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>scal:Calendar</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<tr>
<td>5</td>
<td>scal:CalendarAlarm</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>scal:Attendee_role</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>scal:attendeeRole</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<tr>
<td>8</td>
<td>scal:attendeeContact</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<td>9</td>
<td>scal:rsvp</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<td>10</td>
<td>scal:calendarUserType</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<td>scal:member</td>
<td>ID INTEGER</td>
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<tr>
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<td>scal:sent-by</td>
<td>ID INTEGER</td>
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<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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<td>scal:alarmOffset</td>
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<td>16</td>
<td>scal:alarmAttendee</td>
<td>ID INTEGER</td>
<td>PRIMARY KEY</td>
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</table>
CREATE TABLE "scal:CalendarItem" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:textLocation" INTEGER, "scal:textLocation:graph" INTEGER,
"scal:resources" TEXT COLLATE NOCASE, "scal:resources:graph" INTEGER,
"scal:transparency" INTEGER, "scal:transparency:graph" INTEGER,
"scal:calendarItemAlarm" INTEGER, "scal:calendarItemAlarm:graph" INTEGER,
"scal:start" INTEGER, "scal:start:graph" INTEGER, "scal:end" INTEGER,
"scal:end:graph" INTEGER, "scal:isAllDay" INTEGER,
"scal:isAllDay:graph" INTEGER, "scal:priority" INTEGER,
"scal:priority:graph" INTEGER, "scal:rdate" INTEGER,
"scal:rdate:graph" INTEGER, "scal:exceptionRDate" INTEGER,
"scal:exceptionRDate:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:access" (ID INTEGER NOT NULL,
"scal:access" INTEGER NOT NULL, "scal:access:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:attachment" (ID INTEGER NOT NULL,
"scal:attachment" INTEGER NOT NULL, "scal:attachment:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:attendee" (ID INTEGER NOT NULL,
"scal:attendee" INTEGER NOT NULL, "scal:attendee:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:belongsToCalendar" (ID INTEGER NOT NULL,
"scal:belongsToCalendar" INTEGER NOT NULL, "scal:belongsToCalendar:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:contact" (ID INTEGER NOT NULL,
"scal:contact" INTEGER NOT NULL, "scal:contact:graph" INTEGER);

CREATE TABLE "scal:CalendarItem_scal:rrule" (ID INTEGER NOT NULL,
"scal:rrule" INTEGER NOT NULL, "scal:rrule:graph" INTEGER);

CREATE TABLE "scal:CalendarUserType" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "scal:Event" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:eventStatus" INTEGER, "scal:eventStatus:graph" INTEGER);

CREATE TABLE "scal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "scal:Journal" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:journalStatus" INTEGER, "scal:journalStatus:graph" INTEGER);

CREATE TABLE "scal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "scal:RSVPValues" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "scal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:recurrencePattern" TEXT COLLATE NOCASE,
"scal:recurrencePattern:graph" INTEGER, "scal:exceptionRDate:graph" INTEGER,
"scal:exception:graph" INTEGER);

CREATE TABLE "scal:TimePoint" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:dateTime" INTEGER, "scal:dateTime:graph" INTEGER,
"scal:dateTime:localDate" INTEGER, "scal:dateTime:localTime" INTEGER,
"scal:TimeZone" TEXT COLLATE NOCASE, "scal:TimeZone:graph" INTEGER);

CREATE TABLE "scal:Todo" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:todoStatus" INTEGER, "scal:todoStatus:graph" INTEGER, "scal:due" INTEGER,
"scal:due:graph" INTEGER, "scal:completed" INTEGER,
"scal:completed:graph" INTEGER, "scal:percentComplete" INTEGER,
"scal:percentComplete:graph" INTEGER);

CREATE TABLE "scal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE UNIQUE INDEX "mlo:boxSouthWestCorner";
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxVerticalLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID, "mlo:boxVerticalLimit");
CREATE UNIQUE INDEX "mlo:Route_mlo:endTime_ID_ID" ON "mlo:Route_mlo:endTime" (ID, "mlo:endTime");
CREATE UNIQUE INDEX "mlo:Route_mlo:routeDetails_ID_ID" ON "mlo:Route_mlo:routeDetails" (ID, "mlo:routeDetails");
CREATE UNIQUE INDEX "mlo:Route_mlo:startTime_ID_ID" ON "mlo:Route_mlo:startTime" (ID, "mlo:startTime");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferList_ID_ID" ON "mto:Transfer_mto:transferList" (ID, "mto:transferList");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferPrivacyLevel_ID_ID" ON "mto:Transfer_mto:transferPrivacyLevel" (ID, "mto:transferPrivacyLevel");
CREATE UNIQUE INDEX "mto:UploadTransfer_mto:transferCategory_ID_ID" ON "mto:UploadTransfer_mto:transferCategory" (ID, "mto:transferCategory");
CREATE UNIQUE INDEX "nao:Tag_tracker:isDefaultTag_ID_ID" ON "nao:Tag_tracker:isDefaultTag" (ID, "tracker:isDefaultTag");
CREATE UNIQUE INDEX "nao:Tag_tracker:tagRelatedTo_ID_ID" ON "nao:Tag_tracker:tagRelatedTo" (ID, "tracker:tagRelatedTo");
CREATE UNIQUE INDEX "ncal:Alarm_ncal:action_ID_ID" ON "ncal:Alarm_ncal:action" (ID, "ncal:action");
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayModifier_ID_ID" ON "ncal:BydayRulePart_ncal:bydayModifier" (ID, "ncal:bydayModifier");
CREATE UNIQUE INDEX "ncal:Calendar_ncal:component_ID_ID" ON "ncal:Calendar_ncal:component" (ID, "ncal:component");
CREATE UNIQUE INDEX "ncal:Freebusy_ncal:freebusy_ID_ID" ON "ncal:Freebusy_ncal:freebusy" (ID, "ncal:freebusy");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday_ID_ID" ON "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byhour_ID_ID" ON "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byminute_ID_ID" ON "ncal:RecurrenceRule_ncal:byminute" (ID, "ncal:byminute");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonth_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonthday_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysecond_ID_ID" ON "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysetpos_ID_ID" ON "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno_ID_ID" ON
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno") ON "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday_ID_ID" ON "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach_ID_ID" ON "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee_ID_ID" ON "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories_ID_ID" ON "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate_ID_ID" ON "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exrule_ID_ID" ON "ncal:UnionParentClass_ncal:exrule" (ID, "ncal:exrule");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:hasAlarm_ID_ID" ON "ncal:UnionParentClass_ncal:hasAlarm" (ID, "ncal:hasAlarm");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:ncalRelation_ID_ID" ON "ncal:UnionParentClass_ncal:ncalRelation" (ID, "ncal:ncalRelation");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rdate_ID_ID" ON "ncal:UnionParentClass_ncal:rdate" (ID, "ncal:rdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToChild_ID_ID" ON "ncal:UnionParentClass_ncal:relatedToChild" (ID, "ncal:relatedToChild");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToParent_ID_ID" ON "ncal:UnionParentClass_ncal:relatedToParent" (ID, "ncal:relatedToParent");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:resources_ID_ID" ON "ncal:UnionParentClass_ncal:resources" (ID, "ncal:resources");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule_ID_ID" ON "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule");
CREATE UNIQUE INDEX "nco:Affiliation_nco:title_ID_ID" ON "nco:Affiliation_nco:title" (ID, "nco:title");
CREATE UNIQUE INDEX "nco:ContactList_nco:containsContact_ID_ID" ON "nco:ContactList_nco:containsContact" (ID, "nco:containsContact");
CREATE UNIQUE INDEX "nco:Contact_nco:belongsToGroup_ID_ID" ON "nco:Contact_nco:belongsToGroup" (ID, "nco:belongsToGroup");
CREATE UNIQUE INDEX "nco:Contact_nco:note_ID_ID" ON "nco:Contact_nco:note" (ID, "nco:note");
CREATE UNIQUE INDEX "nco:Contact_scal:anniversary_ID_ID" ON "nco:Contact_scal:anniversary" (ID, "scal:anniversary");
CREATE UNIQUE INDEX "nco:Contact_ncal:birthday_ID_ID" ON "nco:Contact_ncal:birthday" (ID, "ncal:birthday");
CREATE UNIQUE INDEX "nco:Contact_ncal:belongsToGroup_ID_ID" ON "nco:Contact_ncal:belongsToGroup" (ID, "ncal:belongsToGroup");
CREATE UNIQUE INDEX "nco:Contact_nco:note_ID_ID" ON "nco:Contact_nco:note" (ID, "nco:note");
CREATE UNIQUE INDEX "nco:Contact_list:containsContact_ID_ID" ON "nco:Contact_list:containsContact" (ID, "nco:containsContact");
CREATE UNIQUE INDEX "nco:Contact_list:belongsToGroup_ID_ID" ON "nco:Contact_list:belongsToGroup" (ID, "nco:belongsToGroup");
CREATE UNIQUE INDEX "nco:Contact_scal:anniversary_ID_ID" ON "nco:Contact_scal:anniversary" (ID, "scal:anniversary");
CREATE UNIQUE INDEX "nco:Contact_sc:anniversary_ID_ID" ON "nco:Contact_sc:anniversary" (ID, "sc:anniversary");
CREATE UNIQUE INDEX "nco:Contact_scal:birthday_ID_ID" ON "nco:Contact_scal:birthday" (ID, "scal:birthday");
CREATE UNIQUE INDEX "nco:Contact_sc:birthday_ID_ID" ON "nco:Contact_sc:birthday" (ID, "sc:birthday");
CREATE UNIQUE INDEX "nco:IMAccount_nco:hasMContact_ID_ID" ON "nco:IMAccount_nco:hasMContact" (ID, "nco:hasMContact");
CREATE UNIQUE INDEX "nco:IMAddress_nco:imCapability_ID_ID" ON "nco:IMAddress_nco:imCapability" (ID, "nco:imCapability");
CREATE UNIQUE INDEX "nfo:Media_mtp:hidden" (ID, "mtp:hidden");
CREATE UNIQUE INDEX "nfo:Media_nmm:alternativeMedia_ID_ID" ON "nfo:Media_nmm:alternativeMedia" (ID, "nmm:alternativeMedia");
CREATE INDEX "nfo:Visual_nie:contentCreated" ON "nfo:Visual" ("nie:contentCreated");
CREATE UNIQUE INDEX "nid3:ID3Audio_nid3:leadArtist_ID_ID" ON "nid3:ID3Audio_nid3:leadArtist" (ID, "nid3:leadArtist");
CREATE UNIQUE INDEX "nie:DataObject_nie:dataSource_ID_ID" ON "nie:DataObject_nie:dataSource" (ID, "nie:dataSource");
CREATE UNIQUE INDEX "nie:DataObject_nie:isPartOf_ID_ID" ON "nie:DataObject_nie:isPartOf" (ID, "nie:isPartOf");
CREATE INDEX "nie:DataObject_nie:url" ON "nie:DataObject" ("nie:url");
CREATE INDEX "nie:InformationElement_mlo:location_ID" ON "nie:InformationElement_mlo:location" (ID);
CREATE UNIQUE INDEX "nie:InformationElement_mlo:location_ID_ID" ON "nie:InformationElement_mlo:location" ("mlo:location", ID);
CREATE UNIQUE INDEX "nie:InformationElement_nao:hasProperty_ID_ID" ON "nie:InformationElement_nao:hasProperty" (ID, "nao:hasProperty");
CREATE UNIQUE INDEX "nie:InformationElement_nco:contributor_ID_ID" ON "nie:InformationElement_nco:contributor" (ID, "nco:contributor");
CREATE UNIQUE INDEX "nie:InformationElement_nco:creator_ID_ID" ON "nie:InformationElement_nco:creator" (ID, "nco:creator");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasLogicalPart_ID_ID" ON "nie:InformationElement_nie:hasLogicalPart" (ID, "nie:hasLogicalPart");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasPart_ID_ID" ON "nie:InformationElement_nie:hasPart" (ID, "nie:hasPart");
CREATE INDEX "nie:InformationElement_nie:informationElementDate_ID_ID" ON "nie:InformationElement_nie:informationElementDate" (ID, "nie:informationElementDate");
CREATE UNIQUE INDEX "nie:InformationElement_nie:isLogicalPartOf_ID_ID" ON "nie:InformationElement_nie:isLogicalPartOf" (ID, "nie:isLogicalPartOf");
CREATE UNIQUE INDEX "nie:InformationElement_nie:keyword_ID_ID" ON "nie:InformationElement_nie:keyword" (ID, "nie:keyword");
CREATE UNIQUE INDEX "nie:InformationElement_nie:relatedTo_ID_ID" ON "nie:InformationElement_nie:relatedTo" (ID, "nie:relatedTo");
CREATE INDEX "nie:InformationElement_slo:location" ON "nie:InformationElement" ("slo:location");
CREATE INDEX "nmm:Artist_nmm:artistName" ON "nmm:Artist" ("nmm:artistName");
CREATE INDEX "nmm:MusicAlbum_nie:title" ON "nmm:MusicAlbum" ("nie:title");
CREATE UNIQUE INDEX "nmm:MusicAlbum_nmm:albumArtist_ID_ID" ON "nmm:MusicAlbum_nmm:albumArtist" (ID, "nmm:albumArtist");
CREATE INDEX "nmm:MusicPiece_nie:title" ON "nmm:MusicPiece" ("nie:title");
CREATE UNIQUE INDEX "nmm:MusicPiece_nmm:lyrics_ID_ID" ON "nmm:MusicPiece_nmm:lyrics" (ID, "nmm:lyrics");
CREATE INDEX "nmm:MusicPiece_nmm:musicAlbum" ON "nmm:MusicPiece"
CREATE INDEX "nmm:MusicPiece_nmm:performer" ON "nmm:MusicPiece" 
("nmm:performer");
CREATE UNIQUE INDEX "nmm:RadioStation_nmm:carrier_ID_ID" ON 
"nmm:RadioStation_nmm:carrier" (ID, "nmm:carrier");
CREATE UNIQUE INDEX "nmm:Video_mtp:scantype_ID_ID" ON 
"nmm:Video_mtp:scantype" (ID, "mtp:scantype");
CREATE UNIQUE INDEX "nmm:Video_nmm:director_ID_ID" ON 
"nmm:Video_nmm:director" (ID, "nmm:director");
CREATE UNIQUE INDEX "nmm:Video_nmm:leadActor_ID_ID" ON 
"nmm:Video_nmm:leadActor" (ID, "nmm:leadActor");
CREATE UNIQUE INDEX "nmm:Video_nmm:subtitle_ID_ID" ON 
"nmm:Video_nmm:subtitle" (ID, "nmm:subtitle");
CREATE INDEX "nmo:Call_nmo:sentDate" ON "nmo:Call" ("nmo:sentDate");
CREATE INDEX "nmo:CommunicationChannel_nmo:hasParticipant_ID" ON 
"nmo:CommunicationChannel_nmo:hasParticipant" (ID);
CREATE UNIQUE INDEX 
"nmo:CommunicationChannel_nmo:hasParticipant_ID_ID" ON 
"nmo:CommunicationChannel_nmo:hasParticipant" ("nmo:hasParticipant", ID);
CREATE INDEX "nmo:CommunicationChannel_nmo:lastMessageDate" ON 
"nmo:CommunicationChannel" ("nmo:lastMessageDate");
CREATE UNIQUE INDEX "nmo:Email_nmo:contentMimeType_ID_ID" ON 
"nmo:Email_nmo:contentMimeType" (ID, "nmo:contentMimeType");
CREATE UNIQUE INDEX "nmo:Message_nmo:bcc_ID_ID" ON 
"nmo:Message_nmo:bcc" (ID, "nmo:bcc");
CREATE UNIQUE INDEX "nmo:Message_nmo:cc_ID_ID" ON "nmo:Message_nmo:cc" 
(ID, "nmo:cc");
CREATE INDEX "nmo:Message_nmo:communicationChannel" ON "nmo:Message" 
("nmo:communicationChannel", "nmo:receivedDate");
CREATE INDEX "nmo:Message_nmo:conversation" ON "nmo:Message" 
("nmo:conversation");
CREATE INDEX "nmo:Message_nmo:from" ON "nmo:Message" ("nmo:from");
CREATE UNIQUE INDEX "nmo:Message_nmo:hasAttachment_ID_ID" ON 
"nmo:Message_nmo:hasAttachment" (ID, "nmo:hasAttachment");
CREATE UNIQUE INDEX "nmo:Message_nmo:inReplyTo_ID_ID" ON 
"nmo:Message_nmo:inReplyTo" (ID, "nmo:inReplyTo");
CREATE UNIQUE INDEX "nmo:Message_nmo:messageHeader_ID_ID" ON 
"nmo:Message_nmo:messageHeader" (ID, "nmo:messageHeader");
CREATE UNIQUE INDEX "nmo:Message_nmo:recipient_ID_ID" ON 
"nmo:Message_nmo:recipient" (ID, "nmo:recipient");
CREATE UNIQUE INDEX "nmo:Message_nmo:references_ID_ID" ON 
"nmo:Message_nmo:references" (ID, "nmo:references");
CREATE INDEX "nmo:Message_nmo:sender" ON "nmo:Message" ("nmo:sender");
CREATE INDEX "nmo:Message_nmo:sentDate" ON "nmo:Message" ("nmo:sentDate");
CREATE INDEX "nmo:Message_nmo:to_ID_ID" ON "nmo:Message_nmo:to" 
("nmo:to", ID);
CREATE UNIQUE INDEX "nmo:MimePart_nmo:mimeHeader_ID_ID" ON
"nmo:MimePart_nmo:mimeHeader" (ID, "nmo:mimeHeader");
CREATE UNIQUE INDEX "nmo:Multpart_nmo:partBoundary_ID_ID" ON
"nmo:Multpart_nmo:partBoundary" (ID, "nmo:partBoundary");
CREATE UNIQUE INDEX
"nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder_ID_ID" ON
"nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID,
"nmo:containsPhoneMessageFolder");
CREATE UNIQUE INDEX
"nmo:PhoneMessageFolder_nmo:containsPhoneMessage_ID_ID" ON
"nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID,
"nmo:containsPhoneMessage");
CREATE UNIQUE INDEX "nmo:PhoneMessage_nmo:toVCard_ID_ID" ON
"nmo:PhoneMessage_nmo:toVCard" (ID, "nmo:toVCard");
CREATE UNIQUE INDEX "rdf:Property_rdfs:subPropertyOf_ID_ID" ON
"rdf:Property_rdfs:subPropertyOf" (ID, "rdfs:subPropertyOf");
CREATE UNIQUE INDEX "rdfs:Class_rdfs:subClassOf_ID_ID" ON
"rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
CREATE UNIQUE INDEX "rdfs:Resource_tracker:domainIndex_ID_ID" ON
"rdfs:Resource_tracker:domainIndex" (ID, "tracker:domainIndex");
CREATE UNIQUE INDEX "rdfs:Resource_rdf:type_ID_ID" ON
"rdfs:Resource_rdf:type" (ID, "rdf:type");
CREATE INDEX "rdfs:Resource_tracker:added" ON "rdfs:Resource" ("tracker:added");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-from_ID_ID" ON
"scal:Attendee_scal:delegated-from" (ID, "scal:delegated-from");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-to_ID_ID" ON
"scal:Attendee_scal:delegated-to" (ID, "scal:delegated-to");
CREATE UNIQUE INDEX "scal:Attendee_scal:member_ID_ID" ON
"scal:Attendee_scal:member" (ID, "scal:member");
CREATE UNIQUE INDEX "scal:Attendee_scal:sent-by_ID_ID" ON
"scal:Attendee_scal:sent-by" (ID, "scal:sent-by");
CREATE UNIQUE INDEX "scal:CalendarAlarm_scal:alarmAttendee_ID_ID" ON
"scal:CalendarAlarm_scal:alarmAttendee" (ID, "scal:alarmAttendee");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:access_ID_ID" ON "scal:CalendarItem_scal:access" (ID, "scal:access");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attachment_ID_ID" ON "scal:CalendarItem_scal:attachment" (ID, "scal:attachment");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attendee_ID_ID" ON "scal:CalendarItem_scal:attendee" (ID, "scal:attendee");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:belongsToCalendar_ID_ID" ON "scal:CalendarItem_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:contact_ID_ID" ON "scal:CalendarItem_scal:contact" (ID, "scal:contact");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:rrule_ID_ID" ON "scal:CalendarItem_scal:rrule" (ID, "scal:rrule");
CREATE INDEX "slo:GeoLocation_slo:postalAddress" ON "slo:GeoLocation" ("slo:postalAddress");
CREATE UNIQUE INDEX "slo:Landmark_slo:belongsToCategory_ID_ID" ON "slo:Landmark_slo:belongsToCategory" (ID, "slo:belongsToCategory");
CREATE UNIQUE INDEX "slo:Landmark_slo:hasContact_ID_ID" ON "slo:Landmark_slo:hasContact" (ID, "slo:hasContact");
CREATE UNIQUE INDEX "slo:Route_slo:routeDetails_ID_ID" ON "slo:Route_slo:routeDetails" (ID, "slo:routeDetails");

EXPLAIN SELECT "1_u", (SELECT "nco:fullname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameFamily" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameGiven" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameAdditional" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificPrefix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificSuffix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nickname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, strftime("%s",(SELECT "nco:birthDate" FROM "nco:Contact" WHERE ID = "1_u")), (SELECT "nie:url" FROM "nie:DataObject" WHERE ID = (SELECT "nco:photo" FROM "nco:Contact" WHERE ID = "1_u")) COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE||"nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE||COALESCE((SELECT "nco:imNickname" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE||COALESCE((SELECT "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasIMAddress3"."nco:IMAddress3" AS "3_u" FROM "nco:PersonContact_nco:hasAffiliation2", "nco:Role_nco:hasIMAddress3" WHERE "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" = "2_u", "nco:Role_nco:hasIMAddress3"."nco:IMAddress3" = "3_u")) COLLATE NOCASE, ? COLLATE NOCASE)) WHERE

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"1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND
"nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" =
"nco:Role_nco:hasIMAddress3"."ID"))),(SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE)(SELECT "nco:phoneNumber"
FROM "nco:PhoneNumber" WHERE ID = "4_u") COLLATE NOCASE, "n")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation"
AS "2_u", "nco:Role_nco:hasPhoneNumber5"."nco:hasPhoneNumber" AS
"4_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation4",
"nco:Role_nco:hasPhoneNumber" AS "nco:Role_nco:hasPhoneNumber5"
WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation4"."ID" AND
"nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" =
"nco:Role_nco:hasPhoneNumber5"."ID"))),(SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE)(SELECT "nco:emailAddress"
FROM "nco:EmailAddress" WHERE ID = "5_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation"
AS "2_u", "nco:Role_nco:hasEmailAddress7"."nco:hasEmailAddress"
AS "5_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation6",
"nco:Role_nco:hasEmailAddress" AS "nco:Role_nco:hasEmailAddress7"
WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation6"."ID" AND
"nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation" =
"nco:Role_nco:hasEmailAddress7"."ID"))),(SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE)(SELECT "nco:blogUrl"
FROM "nco:BlogUrl" WHERE ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation8"."nco:hasAffiliation"
AS "2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:role" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:department" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:title" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:Affiliation_nco:title" WHERE ID = "2_u")
FROM (SELECT Uri FROM Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:role" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:department" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:title" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:Affiliation_nco:title" WHERE ID = "2_u")
FROM (SELECT Uri FROM Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:role" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:department" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:title" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:Affiliation_nco:title" WHERE ID = "2_u")
FROM (SELECT Uri FROM Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:role" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:department" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID"))),(SELECT
GROUP_CONCAT("6_u", ") FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID"))),(SELECT Uri FROM
Resource WHERE ID = "1_u"),(SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE)(SELECT "nco:title" FROM "nco:Affiliation" WHERE
ID = "2_u") COLLATE NOCASE, ")
FROM (SELECT "nco:Affiliation_nco:title" WHERE ID = "2_u")
FROM (SELECT Uri FROM Resource WHERE ID = "1_u"),...
"nao:Property14"."ID" AND "9_u" IS NOT NULL AND "10_u" IS NOT NULL AND ("9_u" COLLATE NOCASE = ? COLLATE NOCASE))) FROM (SELECT "nco:PersonContact1"."ID" AS "1_u" FROM "nco:PersonContact" AS "nco:PersonContact1") ORDER BY "1_u";

} } {/.* Goto .*/}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

<dd><p>The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2001 September 15
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#   May you do good and not evil.
#   May you find forgiveness for yourself and forgive others.
#   May you share freely, never taking more than you give.
#
#*******************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this file is testing built-in functions.
#

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Create a table to work with.
#
do_test func-0.0 {
execsql {CREATE TABLE tbl1(t1 text)}
foreach word {this program is free software} {
  execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
do_test func-0.1 {
execsql {
    CREATE TABLE t2(a);
    INSERT INTO t2 VALUES(1);
    INSERT INTO t2 VALUES(NULL);
    INSERT INTO t2 VALUES(345);
    INSERT INTO t2 VALUES(NULL);
    INSERT INTO t2 VALUES(67890);
    SELECT * FROM t2;
}
} {1 {} 345 {} 67890}

# Check out the length() function
#
do_test func-1.0 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1) ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 3 -1 5}

# Check out the substr() function
#
do_test func-2.0 {
execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {fr is pr so th}
do_test func-2.1 {
execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
} {r s r o h}
do_test func-2.2 {
execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} {ee {} ogr ftw is}
do_test func-2.3 {
execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.4 {
  execsql {SELECT substr(t1, -1, 2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
  execsql {SELECT substr(t1, -2, 1) FROM tbl1 ORDER BY t1}
} {e i a r i}
do_test func-2.6 {
  execsql {SELECT substr(t1, -2, 2) FROM tbl1 ORDER BY t1}
} {ee is am re is}
do_test func-2.7 {
  execsql {SELECT substr(t1, -4, 2) FROM tbl1 ORDER BY t1}
} {fr {} gr wa th}
do_test func-2.8 {
  execsql {SELECT t1 FROM tbl1 ORDER BY substr(t1, 1, 20)}
} {this software free program is}
do_test func-2.9 {
  execsql {SELECT substr(a, 1, 1) FROM t2}
} {1 {} 3 {} 6}
do_test func-2.10 {
  execsql {SELECT substr(a, 2, 2) FROM t2}
} {{} {} 45 {} 78}

# Only do the following tests if TCL has UTF-8 capabilities
#
if {"u1234"!="u1234"} {

    # Put some UTF-8 characters in the database
    #
    do_test func-3.0 {
      execsql {DELETE FROM tbl1}
      foreach word "contains UTF-8 characters hiሴho" {
        execsql "INSERT INTO tbl1 VALUES('$word')"
      }
      execsql {SELECT t1 FROM tbl1 ORDER BY t1}
    } "UTF-8 characters contains hiሴho"
do_test func-3.1 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
  execsql {SELECT substr(t1, 1, 2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
  execsql {SELECT substr(t1, 1, 3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
  execsql {SELECT substr(t1, 2, 2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"
do_test func-3.5 {
execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"
do_test func-3.6 {
execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "F- ar nt i\u1234h"
do_test func-3.7 {
execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.8 {
execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.9 {
execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} "F- er in \u1234h"
do_test func-3.10 {
execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} "TF- ter ain i\u1234h"
do_test func-3.99 {
execsql {DELETE FROM tbl1}
foreach word {this program is free software} {
  execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1}
} {this program is free software}
}
}

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
do_test func-4.1 {
  execsql {
    CREATE TABLE t1(a,b,c);
    INSERT INTO t1 VALUES(1,2,3);
    INSERT INTO t1 VALUES(2,12345678901234,-1234567890);
    INSERT INTO t1 VALUES(3,-2,-5);
  }
catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
ifcapable floatingpoint {
do_test func-4.1 {
  execsql {
    CREATE TABLE t1(a,b,c);
    INSERT INTO t1 VALUES(1,2,3);
    INSERT INTO t1 VALUES(2,1.2345678901234,-1234.567890);
    INSERT INTO t1 VALUES(3,-2,-5);
  }
}
catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
do_test func-4.2 {
  catchsql {SELECT abs() FROM t1}
} {1 {wrong number of arguments to function abs()}}
ifcapable floatingpoint {
  do_test func-4.3 {
    catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 [2 1.2345678901234 2]}
  do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 [3 12345.6789 5]}
}
ifcapable !floatingpoint {
  if {[working_64bit_int]} {
    do_test func-4.3 {
      catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 [2 12345678901234 2]}
    do_test func-4.4 {
      catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 [3 1234567890 5]}
    do_test func-4.4.1 {
      execsql {SELECT abs(a) FROM t2}
} {1 {} 345 {} 67890}
    do_test func-4.4.2 {
      execsql {SELECT abs(t1) FROM tbl1}
} {0.0 0.0 0.0 0.0 0.0}
  }
}
ifcapable floatingpoint {
  do_test func-4.5 {
    catchsql {SELECT round(a,b,c) FROM t1}
} {1 {wrong number of arguments to function round()}}
  do_test func-4.6 {
    catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
} {0 [-2.0 1.23 2.0]}
  do_test func-4.7 {
    catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
} {0 [2.0 1.0 -2.0]}
  do_test func-4.8 {
    catchsql {SELECT round(c) FROM t1 ORDER BY a}
} {0 [3.0 -12346.0 -5.0]}
  do_test func-4.9 {
    catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
} {0 [3.0 -12345.68 -5.0]}
  do_test func-4.10 {
catchsql \{SELECT 'x' || round(c,a) || 'y' FROM t1 ORDER BY a\} 
| \{0 {x3.0y x-12345.68y x-5.0y}}

do_test func-4.11 
  catchsql \{SELECT round() FROM t1 ORDER BY a\} 
  | \{1 \{wrong number of arguments to function round()\}}

do_test func-4.12 
  execsql \{SELECT coalesce(round(a,2),nil') FROM t2\} 
  | \{1.0 nil 345.0 nil 67890.0\}

do_test func-4.13 
  execsql \{SELECT round(t1,2) FROM tbl1\} 
  | \{0.0 0.0 0.0 0.0 0.0\}

do_test func-4.14 
  execsql \{SELECT typeof(round(5.1,1));\} 
  | \{real\}

do_test func-4.15 
  execsql \{SELECT typeof(round(5.1));\} 
  | \{real\}

do_test func-4.16 
  catchsql \{SELECT round(b,2.0) FROM t1 ORDER BY b\} 
  | \{0 {-2.0 1.23 2.0}}

# Verify some values reported on the mailing list.
# Some of these fail on MSVC builds with 64-bit
# long doubles, but not on GCC builds with 80-bit
# long doubles.
for \{set i 1\} \{i<999\} \{incr i\} 
  set x1 [expr 40222.5 + $i]
  set x2 [expr 40223.0 + $i]
  do_test func-4.17.$i 
    execsql \{SELECT round($x1);\} 
  | \$x2
}
for \{set i 1\} \{i<999\} \{incr i\} 
  set x1 [expr 40222.05 + $i]
  set x2 [expr 40222.10 + $i]
  do_test func-4.18.$i 
    execsql \{SELECT round($x1,1);\} 
  | \$x2
}
do_test func-4.20 
  execsql \{SELECT round(40223.499999999999);\} 
  | \{40223.0\}
do_test func-4.21 
  execsql \{SELECT round(40224.499999999999);\} 
  | \{40224.0\}
do_test func-4.22 
  execsql \{SELECT round(40225.499999999999);\} 
  | \{40225.0\}
for \{set i 1\} \{i<10\} \{incr i\} 

do_test func-4.23.$i { execsql {SELECT round(40223.4999999999,$i);} } {40223.5}
do_test func-4.24.$i { execsql {SELECT round(40224.4999999999,$i);} } {40224.5}
do_test func-4.25.$i { execsql {SELECT round(40225.4999999999,$i);} } {40225.5}
}
for {set i 10} {$i<32} {incr i} {
do_test func-4.26.$i { execsql {SELECT round(40223.4999999999,$i);} } {40223.4999999999}
do_test func-4.27.$i { execsql {SELECT round(40224.4999999999,$i);} } {40224.4999999999}
do_test func-4.28.$i { execsql {SELECT round(40225.4999999999,$i);} } {40225.4999999999}
}
do_test func-4.29 { execsql {SELECT round(1234567890.5);} } {1234567891.0}
do_test func-4.30 { execsql {SELECT round(12345678901.5);} } {12345678902.0}
do_test func-4.31 { execsql {SELECT round(123456789012.5);} } {123456789013.0}
do_test func-4.32 { execsql {SELECT round(1234567890123.5);} } {1234567890124.0}
do_test func-4.33 { execsql {SELECT round(12345678901234.5);} } {12345678901235.0}
do_test func-4.34 { execsql {SELECT round(1234567890123.35,1);} } {1234567890123.4}
do_test func-4.35 { execsql {SELECT round(1234567890123.445,2);} } {1234567890123.45}
do_test func-4.36 { execsql {SELECT round(99999999999994.5);} } {99999999999995.0}
do_test func-4.37 { execsql {SELECT round(9999999999999999999.55,1);} } {9999999999999999999.6}
do_test func-4.38 {
    execsql {SELECT round(9999999999999.556,2);} {9999999999999.56}
}

# Test the upper() and lower() functions
#
do_test func-5.1 {
    execsql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
    execsql {SELECT lower(t1) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
    execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
ifcapable !icu {
    do_test func-5.4 {
        catchsql {SELECT upper(a,5) FROM t2}
    } {1 {wrong number of arguments to function upper()}}
}
do_test func-5.5 {
    catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}

# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
    execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
    execsql {SELECT coalesce(upper(a),'nil') FROM t2}
} {1 nil 345 nil 67890}
do_test func-6.3 {
    execsql {SELECT coalesce(nullif(1,1),'nil')} {nil}
do_test func-6.4 {
    execsql {SELECT coalesce(nullif(1,2),'nil')} {1}
do_test func-6.5 {
    execsql {SELECT coalesce(nullif(1,NULL),'nil')} {1}
}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
    execsql {SELECT last_insert_rowid()}
}
# Tests for aggregate functions and how they handle NULLs.

ifcapable floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
    } {68236 3 22745.33 1 67890 5}
  }

ifcapable !floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), avg(a), min(a), max(a), count(*) FROM t2;
    }
    } {68236 3 22745.0 1 67890 5}
  }

do_test func-8.2 {
  execsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t2;
  }
  } {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
}

ifcapable tempdb {
  do_test func-8.3 {
    execsql {
      CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
      SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
    }
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
  } else {
    do_test func-8.3 {
      execsql {
        CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
        SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
      }
      } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
    }

do_test func-8.4 {
  execsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
  }
  }
}
if capable compound {
    do_test func-8.5 {
        execsql {
            SELECT sum(x) FROM (SELECT '9223372036' || '854775807' AS x
                UNION ALL SELECT -9223372036854775807)
        }
    } {0}
    do_test func-8.6 {
        execsql {
            SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775807' AS x
                UNION ALL SELECT -9223372036854775807)
        }
    } {integer}
    do_test func-8.7 {
        execsql {
            SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775808' AS x
                UNION ALL SELECT -9223372036854775807)
        }
    } {real}
    if capable floatingpoint {
        do_test func-8.8 {
            execsql {
                SELECT sum(x)>0.0 FROM (SELECT '9223372036' || '854775808' AS x
                    UNION ALL SELECT -9223372036854775807)
            }
        } {1}
    }
    if capable !floatingpoint {
        do_test func-8.8 {
            execsql {
                SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x
                    UNION ALL SELECT -9223372036854775807)
            }
        } {1}
    }
}

# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
    execsql {
        SELECT random() is not null;
    }
} {1}
do_test func-9.2 {
    execsql {
SELECT typeof(random());
}
} {integer}
do_test func-9.3 {
execsql {
    SELECT randomblob(32) is not null;
}
} {1}
do_test func-9.4 {
execsql {
    SELECT typeof(randomblob(32));
}
} {blob}
do_test func-9.5 {
execsql {
    SELECT length(randomblob(32)), length(randomblob(-5)), length(randomblob(2000))
}
} {32 1 2000}

# The "hex()" function was added in order to be able to render blobs
# generated by randomblob(). So this seems like a good place to test
# hex().
#
ifcapable bloblit {
do_test func-9.10 {
    execsql {SELECT hex(x'00112233445566778899aAbBcCdDeEfF')} {00112233445566778899AABBCCDDEEFF}
}
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
    execsql {SELECT hex(replace('abcdefg','ef','12'))} {6100620063006400310032006700}
do_test func-9.12-utf16le {
    execsql {SELECT hex(replace('abcdefg','','12'))} {6100620063006400650066006700}
do_test func-9.13-utf16le {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))} {61006100610061006100610061066400650066006700}
} elseif {$encoding=="UTF-8"} {
do_test func-9.11-utf8 {
    execsql {SELECT hex(replace('abcdefg','ef','12'))} {61626364313267}
do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','','12'))} {61626364656667}
do_test func-9.13-utf8 {

}
execsql {SELECT hex(replace('abcdefg','a','aaa'))}
} {616161616161626364656667}

# Use the "sqlite_register_test_function" TCL command which is part of
# the text fixture in order to verify correct operation of some of
# the user-defined SQL function APIs that are not used by the built-in
# functions.
#
set ::DB [sqlite3_connection_pointer db]
sqlite_register_test_function $::DB testfunc
do_test func-10.1 {
catchsql {
    SELECT testfunc(NULL,NULL);
}
} {1 {first argument should be one of: int int64 string double null value}}
do_test func-10.2 {
execsql {
    SELECT testfunc(
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'int', 1234
    );
}
} {1234}
do_test func-10.3 {
execsql {
    SELECT testfunc(    
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'string', NULL
    );
}
} {{}}
ifcapable floatingpoint {
do_test func-10.4 {
execsql {
    SELECT testfunc(    
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'double', 1.234
    );
}
} {1.234}
do_test func-10.5 {
execsql {
    SELECT testfunc(    
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'int', 1234,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'double', 1.234
    );
}
} {1234}
'string', NULL,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'double', 1.234,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'int', 1234,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'string', NULL,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'double', 1.234
);

# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
  execsql {
    SELECT sqlite_version(*);
  }
} [sqlite3 -version]

# Test that destructors passed to sqlite3 by calls to sqlite3_result_text()
# etc. are called. These tests use two special user-defined functions
# (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the
# text form of that argument. A destructor is associated with the return
# value. Function test_destructor_count() returns the number of outstanding
# destructor calls for values returned by test_destructor().
#
if {[db eval {PRAGMA encoding}]=="UTF-8"} {
  do_test func-12.1-utf8 {
    execsql {
      SELECT test_destructor('hello world'), test_destructor_count();
    }
  } {{hello world} 1}
} else {
  ifcapable {utf16} {
    do_test func-12.1-utf16 {
      execsql {
        SELECT test_destructor16('hello world'), test_destructor_count();
      }
    } {{hello world} 1}
  } else {
    do_test func-12.2 {
      execsql {

SELECT test_destructor_count();
}
} {0}
do_test func-12.3 {
execsql {
    SELECT test_destructor('hello') || ' world'
}
} {'hello world'}
do_test func-12.4 {
execsql {
    SELECT test_destructor_count();
}
} {0}
do_test func-12.5 {
execsql {
    CREATE TABLE t4(x);
    INSERT INTO t4 VALUES(test_destructor('hello'));
    INSERT INTO t4 VALUES(test_destructor('world'));
    SELECT min(test_destructor(x)), max(test_destructor(x)) FROM t4;
}
} {'hello world'}
do_test func-12.6 {
execsql {
    SELECT test_destructor_count();
}
} {0}
do_test func-12.7 {
execsql {
    DROP TABLE t4;
}
} {}

# Test that the auxdata API for scalar functions works. This test uses
# a special user-defined function only available in test builds,
# test_auxdata(). Function test_auxdata() takes any number of arguments.
do_test func-13.1 {
execsql {
    SELECT test_auxdata('hello world');
}
} {0}
do_test func-13.2 {
execsql {
    CREATE TABLE t4(a, b);
    INSERT INTO t4 VALUES('abc', 'def');
    INSERT INTO t4 VALUES('ghi', 'jkl');
}}
do_test func-13.3 {
  execsql {
    SELECT test_auxdata('hello world') FROM t4;
  }
}

do_test func-13.4 {
  execsql {
    SELECT test_auxdata('hello world', 123) FROM t4;
  }
}

do_test func-13.5 {
  execsql {
    SELECT test_auxdata('hello world', a) FROM t4;
  }
}

do_test func-13.6 {
  execsql {
    SELECT test_auxdata('hello'||'world', a) FROM t4;
  }
}

# Test that auxiliary data is preserved between calls for SQL variables.
do_test func-13.7 {
  set DB [sqlite3_connection_pointer db]
  set sql "SELECT test_auxdata( ?, a ) FROM t4;"
  set STMT [sqlite3_prepare $DB $sql -1 TAIL]
  sqlite3_bind_text $STMT 1 hello\000 -1
  set res [list]
  while { "SQLITE_ROW"==[sqlite3_step $STMT] } {
    lappend res [sqlite3_column_text $STMT 0]
  }
  lappend res [sqlite3_finalize $STMT]
} {{0 0} {1 0} SQLITE_OK}

# Make sure that a function with a very long name is rejected.
do_test func-14.1 {
  catch {
    db function [string repeat X 254] {return "hello"}
  }
} {0}

do_test func-14.2 {
  catch {
    db function [string repeat X 256] {return "hello"}
  }
} {1}

do_test func-15.1 {

}
catchsql {select test_error(NULL)}
} {1 {1}}
do_test func-15.2 {
catchsql {select test_error('this is the error message')}
} {1 {this is the error message}}
do_test func-15.3 {
catchsql {select test_error('this is the error message',12)}
} {1 {this is the error message}}
do_test func-15.4 {
db errorcode
} {12}

# Test the quote function for BLOB and NULL values.
do_test func-16.1 {
execsql {
    CREATE TABLE tbl2(a, b);
}
set STMT [sqlite3_prepare $::DB "INSERT INTO tbl2 VALUES(?, ?)" -1 TAIL]
sqlite3_bind_blob $::STMT 1 abc 3
sqlite3_step $::STMT
sqlite3_finalize $::STMT
execsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %. Ticket #1354
#
do_test func-17.1 {
proc testfunc1 args {error "Error %d with %s percents %p"}
db function testfunc1 ::testfunc1
catchsql {
    SELECT testfunc1(1,2,3);
}
} {1 {Error %d with %s percents %p}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
execsql {
    CREATE TABLE t5(x);
    INSERT INTO t5 VALUES(1);
    INSERT INTO t5 VALUES(-99);
    INSERT INTO t5 VALUES(10000);
    SELECT sum(x) FROM t5;
}
} {9902}
ifcapable floatingpoint {
do_test func-18.2 {
  execsql {
    INSERT INTO t5 VALUES(0.0);
    SELECT sum(x) FROM t5;
  }
  } {9902.0}
}

# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
# The TOTAL of nothing is 0.0.
#
do_test func-18.3 {
  execsql {
    DELETE FROM t5;
    SELECT sum(x), total(x) FROM t5;
  }
  } {{} 0.0}
do_test func-18.4 {
  execsql {
    INSERT INTO t5 VALUES(NULL);
    SELECT sum(x), total(x) FROM t5
  }
  } {{} 0.0}
do_test func-18.5 {
  execsql {
    INSERT INTO t5 VALUES(NULL);
    SELECT sum(x), total(x) FROM t5
  }
  } {{} 0.0}
do_test func-18.6 {
  execsql {
    INSERT INTO t5 VALUES(123);
    SELECT sum(x), total(x) FROM t5
  }
  } {123 123.0}

# Ticket #1664, #1669, #1670, #1674: An integer overflow on SUM causes
# an error. The non-standard TOTAL() function continues to give a helpful
# result.
#
do_test func-18.10 {
  execsql {
    CREATE TABLE t6(x INTEGER);
    INSERT INTO t6 VALUES(1);
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)+1) from t6;
  }
  }
do_test func-18.11 {
  execsql {
    SELECT typeof(sum(x)) FROM t6
  }
}
ifcapable floatingpoint {
  do_test func-18.12 {
    catchsql {
      INSERT INTO t6 VALUES(1<<62);
      SELECT sum(x) - ((1<<62)*2.0+1) from t6;
    }
  }
}
ifcapable !floatingpoint {
  do_test func-18.12 {
    catchsql {
      INSERT INTO t6 VALUES(1<<62);
      SELECT sum(x) - ((1<<62)*2+1) from t6;
    }
  }
}
if {
  do_test func-18.13 {
    execsql {
      SELECT total(x) - ((1<<62)*2.0+1) FROM t6
    }
  }
}
ifcapable !floatingpoint {
  do_test func-18.13 {
    execsql {
      SELECT total(x) - ((1<<62)*2+1) FROM t6
    }
  }
}
if {
  do_test func-18.14 {
    execsql {
      SELECT sum(-9223372036854775805);
    }
  }
}
ifcapable compound&&subquery {
  do_test func-18.15 {
    catchsql {
      SELECT sum(x) FROM
      (SELECT 9223372036854775807 AS x UNION ALL
       SELECT 10 AS x);
    }
  }
}
if [[working_64bit_int]] { 

do_test func-18.16 {

catchsql {

SELECT sum(x) FROM 
  (SELECT 9223372036854775807 AS x UNION ALL
   SELECT -10 AS x);
} 
} {0 9223372036854775797}
do_test func-18.17 {

catchsql {

SELECT sum(x) FROM 
  (SELECT -9223372036854775807 AS x UNION ALL
   SELECT 10 AS x);
} 
} {0 -9223372036854775797}
}
do_test func-18.18 {

catchsql {

SELECT sum(x) FROM 
  (SELECT -9223372036854775807 AS x UNION ALL
   SELECT -10 AS x);
} 
} {1 {integer overflow}}
do_test func-18.19 {

catchsql {

SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
} 
} {0 -1}
do_test func-18.20 {

catchsql {

SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
} 
} {0 1}
do_test func-18.21 {

catchsql {

SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
} 
} {0 -1}
do_test func-18.22 {

catchsql {

SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
} 
} {0 1}
}

#: if capable compound&&subquery

# Integer overflow on abs()
#

---

Open Source Used in NFVIS Branch Virtualization 4.6.2  443
if {[working_64bit_int]} {
  do_test func-18.31 {
    catchsql {
      SELECT abs(-9223372036854775807);
    }
  } {0 9223372036854775807}
  do_test func-18.32 {
    catchsql {
      SELECT abs(-9223372036854775807-1);
    }
  } {1 {integer overflow}}
}

# The MATCH function exists but is only a stub and always throws an error.
#
do_test func-19.1 {
  execsql {
    SELECT match(a,b) FROM t1 WHERE 0;
  }
  {}
}
do_test func-19.2 {
  catchsql {
    SELECT 'abc' MATCH 'xyz';
  }
  } {1 {unable to use function MATCH in the requested context}}
do_test func-19.3 {
  catchsql {
    SELECT 'abc' NOT MATCH 'xyz';
  }
  } {1 {unable to use function MATCH in the requested context}}
do_test func-19.4 {
  catchsql {
    SELECT match(1,2,3);
  }
  } {1 {wrong number of arguments to function match()}}

# Soundex tests.
#
if {![catch {db eval {SELECT soundex('hello')}}]} {
  set i 0
  foreach {name sdx} {
    euler   E460
    EULER   E460
    Euler   E460
    ellery  E460
    gauss   G200
    ghosh   G200
    hilbert H416
Heilbronn H416
knuth K530
kant K530
Lloyd L300
LADD L300
Lukasiewicz L222
Lissajous L222
A A000
12345 ?000
}
incr i
do_test func-20.$i {
exesql {SELECT soundex($name)}
} $sdx
}
#
# Tests of the REPLACE function.
#
do_test func-21.1 {
catchsql {
   SELECT replace(1,2);
} {1 {wrong number of arguments to function replace()}}
do_test func-21.2 {
catchsql {
   SELECT replace(1,2,3,4);
} {1 {wrong number of arguments to function replace()}}
do_test func-21.3 {
exesql {
   SELECT typeof(replace("This is the main test string", NULL, "ALT"));
} {null}
do_test func-21.4 {
exesql {
   SELECT typeof(replace(NULL, "main", "ALT"));
} {null}
do_test func-21.5 {
exesql {
   SELECT typeof(replace("This is the main test string", "main", NULL));
} {null}
do_test func-21.6 {
exesql {
   SELECT replace("This is the main test string", "main", "ALT");
}
do_test func-21.7 {
  execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
  }
}

do_test func-21.8 {
  execsql {
    SELECT replace("aaaaaaa", "a", "0123456789");
  }
}

ifcapable tclvar {
  do_test func-21.9 {
    # Attempt to exploit a buffer-overflow that at one time existed
    # in the REPLACE function.
    set ::str [string repeat A 29998]CC[string repeat A 35537]
    set ::rep [string repeat B 65536]
    execsql {
      SELECT LENGTH(REPLACE($::str, 'C', $::rep));
    }
    [expr 29998 + 2*65536 + 35537]
  }
}

# Tests for the TRIM, LTRIM and RTRIM functions.
#
  do_test func-22.1 {
    catchsql {SELECT trim(1,2,3)}
    [1 {wrong number of arguments to function trim()}
  }
  do_test func-22.2 {
    catchsql {SELECT ltrim(1,2,3)}
    [1 {wrong number of arguments to function ltrim()}
  }
  do_test func-22.3 {
    catchsql {SELECT rtrim(1,2,3)}
    [1 {wrong number of arguments to function rtrim()}
  }
  do_test func-22.4 {
    execsql {SELECT trim('  hi  ')}
    {hi}
  }
  do_test func-22.5 {
    execsql {SELECT ltrim('  hi  ')}
    {{hi}}
  }
  do_test func-22.6 {
    execsql {SELECT rtrim('  hi  ')}
    {{  hi}}
  }
  do_test func-22.7 {
    execsql {SELECT trim('  hi ,xyz')}'};
    {{  hi ,xyz}}
  }
  do_test func-22.8 {

execsql {SELECT ltrim('  hi  ','xyz');}>{{ hi }}</execsql>
do_test func-22.9 {
execsql {SELECT rtrim('  hi  ','xyz');}>{{ hi }}</execsql>
do_test func-22.10 {
execsql {SELECT trim('xyzzy  hi  zzzy','xyz');}>{{ hi }}</execsql>
do_test func-22.11 {
execsql {SELECT ltrim('xyzzy  hi  zzzy','xyz');}>{{ hi xyzzy }}</execsql>
do_test func-22.12 {
execsql {SELECT rtrim('xyzzy  hi  zzzy','xyz');}>{{ xyzzy hi }}</execsql>
do_test func-22.13 {
execsql {SELECT trim('  hi  ','');}>{{ hi }}</execsql>
if {[db one {PRAGMA encoding}]=="UTF-8"} {
do_test func-22.14 {
execsql {SELECT hex(trim(x'c280e1bfbff48fbfbf6869','x'6162e1bfbfc280'))} {F48FBFBF6869}
do_test func-22.15 {
execsql {SELECT hex(trim(x'6869c280e1bfbff48fbfbf61','x'6162e1bfbfc280f48fbf'))} {6869}
do_test func-22.16 {
execsql {SELECT hex(trim(x'ceb1ceb2ceb3','x'ceb1'))} {CEB2CEB3}
do_test func-22.20 {
execsql {SELECT typeof(trim(NULL));} {null}
do_test func-22.21 {
execsql {SELECT typeof(trim(NULL,'xyz'))} {null}
do_test func-22.22 {
execsql {SELECT typeof(trim('hello',NULL))} {null}
}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
ifcapable deprecated {
do_test func-23.1 {
sqlite3_create_aggregate db
execsql {
    SELECT legacy_count() FROM t6;
}
} {3}
# The group_concat() function.
#
do_test func-24.1 {
   execsql {
      SELECT group_concat(t1) FROM tbl1
   }
} {{this,program,is,free,software}}
do_test func-24.2 {
   execsql {
      SELECT group_concat(t1,' ') FROM tbl1
   }
} {{this program is free software}}
do_test func-24.3 {
   execsql {
      SELECT group_concat(t1,' ' || rowid || ' ') FROM tbl1
   }
} {{this 2 program 3 is 4 free 5 software}}
do_test func-24.4 {
   execsql {
      SELECT group_concat(NULL,t1) FROM tbl1
   }
} {{}}
do_test func-24.5 {
   execsql {
      SELECT group_concat(t1,NULL) FROM tbl1
   }
} {thisprogramisfreesoftware}
do_test func-24.6 {
   execsql {
      SELECT 'BEGIN-||group_concat(t1) FROM tbl1
   }
} {BEGIN-this,program,is,free,software}

# Ticket #3179: Make sure aggregate functions can take many arguments.
# None of the built-in aggregates do this, so use the md5sum() from the
# test extensions.
#
unset -nocomplain midargs
set midargs {}
unset -nocomplain midres
set midres {}
unset -nocomplain result
for {set i 1} {$i<sqlite3_limit db SQLITE_LIMIT_FUNCTION_ARG -1]} {incr i} {
   append midargs '/Si'
   append midres '/Si'
set result [md5 \}
"this${midres}program${midres}is${midres}free${midres}software${midres}" set sql "SELECT md5sum(t1$midargs) FROM tbl1"
do_test func-24.7.$i {
    db eval $::sql
} $result
}

# Ticket #3806. If the initial string in a group_concat is an empty
# string, the separator that follows should still be present.
#
do_test func-24.8 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN '' ELSE t1 END) FROM tbl1
    } } {program,is,free,software}
do_test func-24.9 {
    execsql {
        SELECT group_concat(CASE WHEN t1!='software' THEN '' ELSE t1 END) FROM tbl1
    } } {software}

# Ticket #3923. Initial empty strings have a separator. But initial
# NULLs do not.
#
do_test func-24.10 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
    } } {program,is,free,software}
do_test func-24.11 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
    } } {software}
do_test func-24.12 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN ''
            WHEN 'program' THEN null ELSE t1 END) FROM tbl1
    } } {is,free,software}

# Use the test_isolation function to make sure that type conversions
# on function arguments do not effect subsequent arguments.
#
do_test func-25.1 {
    execsql {SELECT test_isolation(t1,t1) FROM tbl1}
} {this program is free software}
# Try to misuse the sqlite3_create_function() interface. Verify that
# errors are returned.
#
do_test func-26.1 {
  abuse_create_function db
} {}

# The previous test (func-26.1) registered a function with a very long
# function name that takes many arguments and always returns NULL. Verify
# that this function works correctly.
#
do_test func-26.2 {
  set a {}
  for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG} {incr i} {
    lappend a $i
  }
  db eval "
    SELECT
    nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
    (join $a ,);
  "
} {}

do_test func-26.3 {
  set a {}
  for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
    lappend a $i
  }
  catchsql "
    SELECT
    nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
    (join $a ,);
  "
} {1 {too many arguments on function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
}}
do_test func-26.4 {
  set a {}
  for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
    lappend a $i
  }
  catchsql "
    SELECT
    nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
    (join $a ,);
  "
} {1 {too many arguments on function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
}}
do_test func-27.1 {
  catchsql {SELECT coalesce()}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
  catchsql {SELECT coalesce(1)}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
  catchsql {SELECT coalesce(1,2)}
} {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
  db eval {
    CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
  }
catchsql {
    INSERT INTO t28(x) VALUES(1);
  }

# Verify that the length() and typeof() functions do not actually load
# the content of their argument.
#
do_test func-29.1 {
  db eval {
    CREATE TABLE t29(id INTEGER PRIMARY KEY, x, y);
    INSERT INTO t29 VALUES(1, 2, 3), (2, NULL, 4), (3, 4.5, 5);
    INSERT INTO t29 VALUES(4, randomblob(1000000), 6);
    INSERT INTO t29 VALUES(5, "hello", 7);
  }
  db close
  sqlite3 db test.db
  sqlite3_db_status db CACHE_MISS 1
  db eval {SELECT typeof(x), length(x), typeof(y) FROM t29 ORDER BY id}
} {integer 1 integer null integer real 3 integer blob 1000000 integer text 5 integer}

do_test func-29.2 {
  set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
  if {$x<5} {set x 1}
  set x
} {1}

do_test func-29.3 {
  db close
  sqlite3 db test.db
  sqlite3_db_status db CACHE_MISS 1
  db eval {SELECT typeof(+x) FROM t29 ORDER BY id}
} {integer null real blob text}
  if {[permuation] != "mmap"} {
    do_test func-29.4 {
      set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
      if {$x>100} {set x many}
      set x
    } {many}
  }

do_test func-29.5 {
  db close
  sqlite3 db test.db
  sqlite3_db_status db CACHE_MISS 1
  db eval {SELECT sum(length(x)) FROM t29}
} {1000009}

do_test func-29.6 {
  set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
  if {$x<5} {set x 1}
  set x
} {1}
do_execsql_test func-30.1 {SELECT unicode('$');} 36
do_execsql_test func-30.2 [subst {SELECT unicode('\u00A2');}] 162
do_execsql_test func-30.3 [subst {SELECT unicode('\u20AC');}] 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} [subst {$\u00A2\u20AC}] 36
for {set i 1} {$i<0xd800} {incr i 13} {
do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i 
}for {set i 57344} {$i<=0xfffd} {incr i 17} {
if {$i==0xfeff} continue

do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i 
}for {set i 65536} {$i<=0x10ffff} {incr i 139} {

do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i 
}finish_test

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/func.test
No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
No license file was found, but licenses were detected in source scan.


/*
   ** The "printf" code that follows dates from the 1980's.  It is in
   ** the public domain.  The original comments are included here for
   ** completeness.  They are very out-of-date but might be useful as
   ** an historical reference.  Most of the "enhancements" have been backed
   ** out so that the functionality is now the same as standard printf().
   **
   ************************************************
   **
   ** This file contains code for a set of "printf"-like routines.  These
   ** routines format strings much like the printf() from the standard C
   ** library, though the implementation here has enhancements to support
   ** SQLite.
   */

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/printf.c
No license file was found, but licenses were detected in source scan.

/*
** Return a pointer to the "temporary page" buffer held internally
** by the pager. This is a buffer that is big enough to hold the
** entire content of a database page. This buffer is used internally
** during rollback and will be overwritten whenever a rollback
** occurs. But other modules are free to use it too, as long as
** no rollbacks are happening.
*/

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/pager.c
No license file was found, but licenses were detected in source scan.

/*
* This code implements the MD5 message-digest algorithm.
* The algorithm is due to Ron Rivest. This code was
* written by Colin Plumb in 1993, no copyright is claimed.
* This code is in the public domain; do with it what you wish.
*
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
*
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/threadtest3.c
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/tclsqlite.c
No license file was found, but licenses were detected in source scan.

<a href="http://en.wikipedia.org/wiki/Public_Domain">public domain</a>
the public domain and originals of
author, and all of those authors have public domain dedications
Even though SQLite is in the public domain and does not require
the public domain. <li>
their contributions to the public domain.
in this code to the public domain. We make this dedication for the benefit
<html><head><title>SQLite Consortium Agreement</title></head><body bgcolor="white"><h1 align="center">SQLite Consortium Agreement</h1>

<p>This SQLite Consortium Agreement ("Agreement") is made and entered into as of the _____ day of ______________, 2007 ("Effective Date") by and between ______________ (the "Company"), and Hipp, Wyrick & Company, Inc., a Georgia Corporation with headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").</p>

<p>WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> ("SQLite"); and</p>

<p>WHEREAS, Company wishes to support the independent development of the SQLite database engine to insure the continuing reliability, vitality, and independence of SQLite, and in connection therewith, Company wishes to provide funds for ongoing research, development, and maintenance of the SQLite code base, operation of the SQLite website, protection and maintenance of the SQLite trademark, as well as for promotion of SQLite at conferences and trade shows; and</p>

<p>WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and</p>

<p>WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.</p>

<p>NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:</p>

<h2>1.0 Definitions</h2>

<h3>1.1 SQLite Developers</h3>
The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.

1.2 SQLite Architect

The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.

1.3 Consortium Member

A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.

2.0 Agreement

2.1 Responsibilities And Obligations Of SQLite Developers

2.1.1 General Support

The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.

2.1.2 Debugging Support

The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom Development for Company is limited to 330 hours per year.

2.1.3 Custom Development

The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.

2.1.4 Custom Builds
The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.
</p>

<h4>2.1.5 Legacy Support</h4>
<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.
</p>

<h4>2.1.6 Custom Testing</h4>
<p>The SQLite Developers shall at Company's request set up and run acceptance tests according Company’s specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.
</p>

<h4>2.1.7 Priority Bug Fixes</h4>
<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.
</p>

<h4>2.1.8 Code Quality</h4>
<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.
</p>

<h4>2.1.9 Backwards Compatibility</h4>
<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards compatibility with prior releases.
</p>

<h4>2.1.10 Test Coverage</h4>
<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.
</p>

<h4>2.1.11 Website</h4>
<p>The SQLite Developers shall maintain the SQLite website at <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> in good working order and all SQLite source code shall be made freely available at such website.
<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.</p>

<h4>2.2.2 Direction</h4>
<p>The SQLite Architect shall coordinate the activities of SQLite Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.</p>

<h4>2.2.3 Oversight</h4>
<p>The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.</p>

<h4>2.2.4 Continuity</h4>
<p>The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.</p>

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
<p>Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.</p>

<h4>2.3.2 Responsible Party</h4>
<p>All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.</p>

<h4>2.3.3 Multiple Developers</h4>
<p>Hwaci shall recruit and employ as many SQLite Developers for as
many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement. So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.

<h4>2.3.4 Mentorship</h4>
<p>Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a pool of talent able to support SQLite in the future.</p>

<h4>2.3.5 Audits</h4>
<p>Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.</p>

<h4>2.3.6 Disaster Planning</h4>
<p>Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.</p>

<h4>2.3.7 Trademark</h4>
<p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the http://www.sqlite.org/ website.</p>

<h4>2.3.8 No Take-overs or Buy-outs</h4>
<p>Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.</p>

<h4>2.3.9 New Consortium Members</h4>
New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.

Adequate Staff
Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

Use Of Funds
Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

Responsible And Obligations Of Company
Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

Copyright Disclaimer
Company acknowledges that SQLite source code and documentation published on the SQLite website is in the public domain and that nothing in this agreement shall change that fact.

Fees
In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US $75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.

Confidentiality
Definition of Confidential Information
"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing, orally or by drawings or inspection of parts or equipment.

4.2 Non-Use and Non-Disclosure.

Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

4.2.1 Disclosure Required by Law

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise
its reasonable efforts to narrow the scope of disclosure. </p>

<h3>4.3 Return of Materials. </h3>

<p>Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control. </p>

<h2>5.0 Intellectual Property</h2>

<h3>5.1 No Assignment</h3>

<p>Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments, discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company. </p>

<h3>5.2 Availability and Public Domain Dedication</h3>

<p>The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain. To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof. </p>
5.3 Trademark

Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.

6.0 Representations And Warranties

6.1 Intellectual Property Clearances.

Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.

6.2 Disclaimer.

THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

7.0 Term And Termination

7.1 Term.

This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.

7.2 Termination.

If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of
termination to the defaulting party.

<h3>7.3 Survival.</h3>

Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.

<h2>8. Miscellaneous</h2>

<h3>8.1 Nonassignment/Binding Agreement.</h3>

The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.

<h3>8.2 Notices.</h3>

Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.

<h3>8.3 Waiver.</h3>

Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this
Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.</p></div><div><h3>8.4 Severability.</h3></div><div><p>If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.</p></div><div><h3>8.5 Integration.</h3></div><div><p>This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.</p></div><div><h3>8.6 Counterparts.</h3></div><div><p>This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.</p></div><div><h3>8.7 Governing Law.</h3></div><div><p>This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive
jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.

<h3>8.8 Independent Contractors.</h3>

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

<h2>9.0 Signatures</h2>

The parties have executed this Agreement below to indicate their acceptance of its terms.

<table width="100%" border="0"
<tr><td valign="top"
HWACI<br>
By:<hr>
Print Name:<hr>
Title:<hr>
<td width="10%"></td>
COMPANY<br>
By:<hr>
Print Name:<hr>
Title:<hr>
</td></tr></table>

Found in path(s):
No license file was found, but licenses were detected in source scan.

procset Adobe_CoolType_Utility_MAKEOCF 1.23 0
procset Adobe_CoolType_Utility_T42 1.0 0
procset Adobe_AGM_Image 1.0 0

Found in path(s):
No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

SQLite is software that implements an embeddable SQL database engine. SQLite is available for free download from http://www.sqlite.org/. The principal author and maintainer of SQLite has disclaimed all copyright interest in his contributions to SQLite and thus released his contributions into the public domain. In order to keep the SQLite software unencumbered by copyright claims, the principal author asks others who may from time to time contribute changes and enhancements to likewise disclaim...
their own individual copyright interest.

<p>Because the SQLite software found at http://www.sqlite.org/ is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software, under either the original name or under some new name, without any need to obtain permission, pay royalties, acknowledge the original source of the software, or in any other way compensate, identify, or notify the original authors. Nobody is in any way compelled to contribute their SQLite changes and enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.</p>

<p>For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website, http://www.sqlite.org/. Precompiled binaries are excluded from the definition of "SQLite software" in this document because the process of compiling the software may introduce information from outside sources which is not properly a part of SQLite.

The header comments on the SQLite source files exhort the reader to share freely and to never take more than one gives. In the spirit of that exhortation I make the following declarations:

I dedicate to the public domain any and all copyright interest in the SQLite software that was publicly available on the SQLite website (http://www.sqlite.org/) prior to the date of the signature below and any changes or enhancements to the SQLite software that I may cause to be published on that website in the future. I make this dedication for the benefit of the public at large and to the detriment of my heirs and successors. I intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to the SQLite software under copyright law.
To the best of my knowledge and belief, the changes and enhancements that I have contributed to SQLite are either originally written by me or are derived from prior works which I have verified are also in the public domain and are not subject to claims of copyright by other parties.

To the best of my knowledge and belief, no individual, business, organization, government, or other entity has any copyright interest in the SQLite software as it existed on the SQLite website as of the date on the signature line below.

I agree never to publish any additional information to the SQLite website (by CVS, email, scp, FTP, or any other means) unless that information is an original work of authorship by me or is derived from prior published versions of SQLite.

I agree never to copy and paste code into the SQLite code base from other sources.

I agree never to publish on the SQLite website any information that would violate a law or breach a contract.

Signature: 
Date: 
Name (printed): 

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
The source code for SQLite is in the public domain. No claim of copyright.

SQLite core and like the SQLite core are in the public domain. The
TH3 test harness is a set of proprietary tests, written in

is free to use SQLite from multiple threads, but it must make sure

application is free to use the same database connection or the

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module.
#
# $Id: fts1c.test,v 1.11 2006/10/04 17:35:28 drh Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts1c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts1([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com,
        traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following
        changes will be made to the Autohedge functionality on EnronOnline.

        The volume on the hedge will now respect the minimum volume and volume increment settings on the parent
        product. See rules below:

        ?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
        ?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume
        increment on the parent, the hedge will volume will be the parent’s minimum volume.
        ?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

        Please see example below:

        Parent’s Settings:
        Minimum: 5000
        Increment: 1000
Volume on Autohedge transaction
Volume Hedged
1       - 24990
2500    - 54995000
5500    - 64996000

INSERT INTO email(from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com,'lisa.ing@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it's ok with everyone's needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o'clock hour just let me know; I'll
be more than willing to stay.

INSERT INTO email(from],[to],subject,body) VALUES('enron_update@concureworkplace.com',
louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready
for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com);

Could you print off the current work request report by 1:30 today?

Gentlemen,

I'd like to review this today at 1:30 in our office. Also, could you provide
me with your activity reports so I can have Julie enter this information.

JD);

INSERT INTO email(from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com,
scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html);

INSERT INTO email(from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com',
'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark);
INSERT INTO email(from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001',

The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001
-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up
Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy

INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,

If Julie”s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd”s sheets as well.

Thanks.

Dan

-----Original Message-----
From: Fagan, Fran
Sent:Thursday, December 20, 2001 11:10 AM
To:McCarty, Danny
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccarty BonusCommercial_UnP.xls >>

');

INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com.', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.
Thank for your help!

INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');

INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

'):

INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.

- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');

INSERT INTO email([from],[to],subject,body) VALUES('enron.announcements@enron.com', 'all_ena_egm_eim@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW !

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610');

INSERT INTO email([from],[to],subject,body) VALUES('chris.germany@enron.com',

---
"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: ""chris.germany@enron.com"" <chris.germany@enron.com>
cc:  
Subject: About St Pauls

<<About St Pauls.url>>

Christopher,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url

Here is a goody for you:

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, gggreen2@txu.com, timpowell@txu.com', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; 110.000 / HPL IFERC

LS HPL LSK IC  30.000 / Enron');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy- Is it safe to assume that practice is cancelled for tonight?? Susan Pereira');

INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn"t know how deep to go with the desk. Do you think this works. ');

INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George, Give me a call and we will further discuss opportunities on the 13st floor. Thanks,
JMForney 3-7160');

INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');

INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam 35227

-----Original Message-----
From: Royed, Jeff
Sent:Tuesday, September 25, 2001 11:37 AM
To:Bayer, Adam
Subject:Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)
<Leila_Mankarious@mlls.org>, "Marymankarious (E-mail)
<marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokat@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

Thanks

---------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM ---------------------------
To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
c: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK
');
INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,
I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE: ', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claude.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this
product out ASAP.

Thanks,

Eric')

INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE] [IMAGE] [IMAGE] [IMAGE]

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe, click here.

The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!

Ben')

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash Report Name: Houston Cellular 8-11-01 Report Date: 12/13/01 Report ID: 594D37C9ED2111D5B452 Submitted On: 12/13/01
Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch:

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

---------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001 16:36 ---------------------------
Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

')

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:

- Finalize market analysis to refine business case, specifically projected revenue stream
- Complete counterparty surveying, including targeting 3 CPs for letters of intent
- Review Enron asset base for potential reuse/licensing
- Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage...contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

Thomas A Martin/HOU/ECT

Re: Guadalupe Power Partners LP

---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ---------------------------
The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katy tailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard
Did you come in town this wk end..... My new number at our house is:
713-668-3712...... my cell # is 281-381-7332

the kid');

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

It's been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');

I haven’t talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

"Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas
logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are
stored on 44.

Shelley');

'2001 Enron Law Conference (Distribution List 2)' , 'Enron Law Conference
San Antonio, Texas May 2-4, 2001 Westin Riverwalk

See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re: ', 'hey - thats funny about john - he definitely remembers him - i'll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG 3-9573

From: Bryce Baxter 06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');
In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey'});

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
tsa.

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

Re: Tennessee Buy - Louis Dreyfus, 'Beverly - once again thanks so much for your help on this.

Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail
risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy;

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)). This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip;

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance

-Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please. Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:08 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email(from, to, subject, body) VALUES('stephanie.panus@enron.com', 'william.bradford@enron.com, debbie.brackett@enron.com,', 'Coastal Merchant Energy/El Paso Merchant Energy', 'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy, L.P., effective February 1, 2001, with the surviving entity being El Paso Merchant Energy, L.P. We currently have ISDA Master Agreements with both counterparties. Please see the attached memo regarding the existing Masters and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email(from, to, subject, body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???', '-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

');
INSERT INTO email(from, to, subject, body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committee approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666');
INSERT INTO email(from, to, subject, body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490');
INSERT INTO email(from, to, subject, body) VALUES('outlook.team@enron.com', '', 'Demo by Martha Janousek

Open Source Used In NFVIS Branch Virtualization 4.6.2 491
of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY: APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:

Justin Boyd told me that you can help me with questions regarding Chile. We got a request for guest access through MG. The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put an "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.

Thanks!

Best regards

Diana Seifert
EOL PCG"

---

INSERT INTO email([from],[to],subject,body) VALUES('diana.seifert@enron.com', 'mark.taylor@enron.com', 'Guest access Chile', 'Hello Mark,'
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.

INSERT INTO email([from],[to],subject,body) VALUES('geoff.storey@enron.com', 'dutch.quigley@enron.com', 'RE:', 'duke contact?

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corpAlbert LaMore281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject:

CoralJeff Whitnah713-767-5374
RelaintSteve McGinn713-207-4000');
LOG MESSAGES:

PARSING FILE -->> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
   TRANS_TYPE: FINAL
   LOAD_ID: PGE4
   MKT_TYPE: 2
   TRANS_DATE: 4/22/01
   SC_ID: EPMI

');

INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com', 'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');

INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com', 'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', 'This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');

COMMIT;
do_test fts1c-1.2 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
  }
} {6 17 25 38 40 42 73 74}
do_test fts1c-1.3 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
  }
} {24 40}
do_test fts1c-1.4 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  }
} {40}
do_test fts1c-1.5 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
  }
} {40}
do_test fts1c-1.6 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '"mark susan"'
  }
} {}
do_test fts1c-1.7 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  }
} {6 17 25 38 42 73 74}
do_test fts1c-1.8 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  }
} {24}
do_test fts1c-1.9 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
  }
} {6 17 24 25 38 40 42 73 74}
# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts1c-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts1c-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}
do_test fts1c-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts1c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8}}
do_test fts1c-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
#
# Document 32 contains 5 instances of the word "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts1c-3.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
  }
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts1c-3.2 {
  execsql {
SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts1c-4.1 {
    execsql {
        SELECT snippet(email) FROM email
            WHERE email MATCH 'subject:gas reminder'
    }
} {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}}
do_test fts1c-4.2 {
    execsql {
        SELECT snippet(email) FROM email
            WHERE email MATCH 'christmas candlelight'
    }
} {{<b>...</b> place.? What do you think about going here <b>Christmas</b> eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}
do_test fts1c-4.3 {
    execsql {
        SELECT snippet(email,'<<<','>>>',' ') FROM email
            WHERE email MATCH 'deal sheet potential reuse'
    }
} {{EOL-Accenture <b>Deal</b> <b>Sheet</b> intent
    Review Enron asset base for <b>potential</b> <b>reuse</b>/ licensing
    Contract negotiations <b>...</b>}}
do_test fts1c-4.4 {
    execsql {
        SELECT snippet(email,'<<<','>>>',' ') FROM email
            WHERE email MATCH 'deal sheet potential reuse'
    }
} {{EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
    Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
    Contract negotiations }}
do_test fts1c-4.5 {
    execsql {
        SELECT snippet(email,'<<<','>>>',' ') FROM email
            WHERE email MATCH 'first things'
    }
} {{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the }}
do_test fts1c-4.6 {
    execsql {
        SELECT snippet(email) FROM email
            WHERE email MATCH 'chris is here'
Sounds good to me. I bet this is next to the Warwick? The place? What do you think about going Christmas eve? They have an 11:00 a.m. place.?

Erin: <b>Pursuant</b> to your request, attached are the Schedule to your request, attached are the Schedule to

Parsings:

# Combinations of AND and OR operators:

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> ]]

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2010 July 16
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
##
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
##
#**********************************************************************
#
# This file implements tests to verify that the "testable statements" in
# the lang_select.html document are correct.
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

ifcapable !compound {
    finish_test
    return
}

do_execsql_test e_select-1.0 {
CREATE TABLE t1(a, b);
INSERT INTO t1 VALUES('a', 'one');
INSERT INTO t1 VALUES('b', 'two');
INSERT INTO t1 VALUES('c', 'three');

CREATE TABLE t2(a, b);
INSERT INTO t2 VALUES('a', 'I');
INSERT INTO t2 VALUES('b', 'II');
INSERT INTO t2 VALUES('c', 'III');

CREATE TABLE t3(a, c);
INSERT INTO t3 VALUES('a', 1);
INSERT INTO t3 VALUES('b', 2);
CREATE TABLE t4(a, c);
INSERT INTO t4 VALUES('a', NULL);
INSERT INTO t4 VALUES('b', 2);

set t1_cross_t2 [list                
    a one   a I      a one   b II     
    a one   c III    b two   a I      
    b two   b II     b two   c III    
    c three a I    c three b II    
    c three c III                     
]

set t1_cross_t1 [list                  
    a one   a one      a one   b two    
    a one   c three    b two   a one    
    b two   b two      b two   c three  
    c three a one      c three b two    
    c three c three                     
]

# This proc is a specialized version of [do_execsql_test].
#
# The second argument to this proc must be a SELECT statement that
# features a cross join of some time. Instead of the usual ",",
# "CROSS JOIN" or "INNER JOIN" join-op, the string %JOIN% must be
# substituted.
#
# This test runs the SELECT three times - once with:
#
#   * s/%JOIN%/,/  
#   * s/%JOIN%/JOIN/  
#   * s/%JOIN%/INNER JOIN/  
#   * s/%JOIN%/CROSS JOIN/  
#
# and checks that each time the results of the SELECT are $res.
#
proc do_join_test {tn select res} {
    foreach {tn2 joinop} [list 1 , 2 "CROSS JOIN" 3 "INNER JOIN"] {
        set S [string map [list %JOIN% $joinop] $select]
        uplevel do_execsql_test $tn.$tn2 [list $S] [list $res]
    }
}

#-----
# The following tests check that all paths on the syntax diagrams on
# the lang_select.html page may be taken.
#
# EVIDENCE-OF: R-11353-33501 -- syntax diagram join-constraint
do_join_test e_select-0.1.1 {
  SELECT count(*) FROM t1 %JOIN% t2 ON (t1.a=t2.a)
} {3}
do_join_test e_select-0.1.2 {
  SELECT count(*) FROM t1 %JOIN% t2 USING (a)
} {3}
do_join_test e_select-0.1.3 {
  SELECT count(*) FROM t1 %JOIN% t2
} {9}
do_catchsql_test e_select-0.1.4 {
  SELECT count(*) FROM t1, t2 ON (t1.a=t2.a) USING (a)
} {1 {cannot have both ON and USING clauses in the same join}}
do_catchsql_test e_select-0.1.5 {
  SELECT count(*) FROM t1, t2 USING (a) ON (t1.a=t2.a)
} {1 {near "ON": syntax error}}

# EVIDENCE-OF: R-40919-40941 -- syntax diagram select-core
#
# 0: SELECT ...
# 1: SELECT DISTINCT ...
# 2: SELECT ALL ...
#
# 0: No FROM clause
# 1: Has FROM clause
#
# 0: No WHERE clause
# 1: Has WHERE clause
#
# 0: No GROUP BY clause
# 1: Has GROUP BY clause
# 2: Has GROUP BY and HAVING clauses
#
do_select_tests e_select-0.2 {
  0000.1 "SELECT 1, 2, 3 " {1 2 3}
  1000.1 "SELECT DISTINCT 1, 2, 3 " {1 2 3}
  2000.1 "SELECT ALL 1, 2, 3 " {1 2 3}
  0100.1 "SELECT a, b, a||b FROM t1 " {
      a one aone b two btwo c three cthree
  }
  1100.1 "SELECT DISTINCT a, b, a||b FROM t1 " {
      a one aone b two btwo c three cthree
  }
  1200.1 "SELECT ALL a, b, a||b FROM t1 " {
      a one aone b two btwo c three cthree
  }

0010.1 "SELECT 1, 2, 3 WHERE 1 " { 1 2 3 }
0010.2 "SELECT 1, 2, 3 WHERE 0 " {} 
0010.3 "SELECT 1, 2, 3 WHERE NULL " {} 

1010.1 "SELECT DISTINCT 1, 2, 3 WHERE 1 " { 1 2 3 }

2010.1 "SELECT ALL 1, 2, 3 WHERE 1 " { 1 2 3 }

0110.1 "SELECT a, b, a||b FROM t1 WHERE a!=’x’ " { 
a one aone b two btwo c three cthree 
}
0110.2 "SELECT a, b, a||b FROM t1 WHERE a==’x’ " {} 

1110.1 "SELECT DISTINCT a, b, a||b FROM t1 WHERE a!=’x’ " {
a one aone b two btwo c three cthree 
}

2110.0 "SELECT ALL a, b, a||b FROM t1 WHERE a==’x’ " {} 

0001.1 "SELECT 1, 2, 3 GROUP BY 2 " { 1 2 3 }
0002.1 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)=1 " { 1 2 3 }
0002.2 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)>1 " {}

1001.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 " { 1 2 3 }
1002.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)=1 " { 1 2 3 }
1002.2 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)>1 " {}

2001.1 "SELECT ALL 1, 2, 3 GROUP BY 2 " { 1 2 3 }
2002.1 "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)=1 " { 1 2 3 }
2002.2 "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)>1 " {}

0101.1 "SELECT count(*), max(a) FROM t1 GROUP BY b " { 1 a 1 c 1 b }
0102.1 "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1 " {
 1 a 1 c 1 b 
}
0102.2 "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2 " {}

1101.1 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b " { 1 a 1 c 1 b }
1102.1 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1 " {
 1 a 1 c 1 b 
}
1102.2 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2 " 

2101.1 "SELECT ALL count(*), max(a) FROM t1 GROUP BY b " { 1 a 1 c 1 b }
2102.1 "SELECT ALL count(*), max(a) FROM t1
GROUP BY b HAVING count(*)=1" {
    1 a 1 c 1 b
}
do_select_tests e_select-0.3 {
  1  "SELECT * FROM t1" {a one b two c three}
  2  "SELECT t1.* FROM t1" {a one b two c three}
  3  "SELECT 'x'||a||'x' FROM t1" {xax xbx xcx}
  4  "SELECT 'x'||a||'x' AS alias FROM t1" {xax xbx xcx}
  5  "SELECT 'x'||a||'x' AS alias FROM t1" {xax xbx xcx}
}

# EVIDENCE-OF: R-43129-35648 -- syntax diagram join-source
#
# EVIDENCE-OF: R-36683-37460 -- syntax diagram join-op
#
do_select_tests e_select-0.4 {
  1  "SELECT t1.rowid FROM t1" {1 2 3}
  2  "SELECT t1.rowid FROM t1,t2" {1 1 1 2 2 2 3 3 3}
  3  "SELECT t1.rowid FROM t1,t2,t3" {1 1 1 1 1 2 2 2 2 2 3 3 3 3 3}
  4  "SELECT t1.rowid FROM t1" {1 2 3}
  5  "SELECT t1.rowid FROM t1 JOIN t2" {1 1 1 2 2 2 3 3 3}
  6  "SELECT t1.rowid FROM t1 JOIN t2 JOIN t3"
      {1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 3}
  7  "SELECT t1.rowid FROM t1 NATURAL JOIN t3" {1 2}
  8  "SELECT t1.rowid FROM t1 NATURAL LEFT OUTER JOIN t3" {1 2 3}
  9  "SELECT t1.rowid FROM t1 NATURAL LEFT JOIN t3" {1 2 3}
 10  "SELECT t1.rowid FROM t1 NATURAL INNER JOIN t3" {1 2}
 11  "SELECT t1.rowid FROM t1 NATURAL CROSS JOIN t3" {1 2}
 12  "SELECT t1.rowid FROM t1 JOIN t3" {1 1 2 2 3 3}
 13  "SELECT t1.rowid FROM t1 LEFT OUTER JOIN t3" {1 1 2 2 3 3}
 14  "SELECT t1.rowid FROM t1 LEFT JOIN t3" {1 1 2 2 3 3}
 15  "SELECT t1.rowid FROM t1 INNER JOIN t3" {1 1 2 2 3 3}
 16  "SELECT t1.rowid FROM t1 CROSS JOIN t3" {1 1 2 2 3 3}
}

# EVIDENCE-OF: R-28308-37813 -- syntax diagram compound-operator
#
do_select_tests e_select-0.5 {
  1  "SELECT rowid FROM t1 UNION ALL SELECT rowid+2 FROM t4" {1 2 3 3 4}
  2  "SELECT rowid FROM t1 UNION SELECT rowid+2 FROM t4" {1 2 3 4}
  3  "SELECT rowid FROM t1 INTERSECT SELECT rowid+2 FROM t4" {3}
  4  "SELECT rowid FROM t1 EXCEPT SELECT rowid+2 FROM t4" {1 2}
}

# EVIDENCE-OF: R-06480-34950 -- syntax diagram ordering-term
#
do_select_tests e_select-0.6 {
  1  "SELECT b||a FROM t1 ORDER BY b||a" {onea threec twob}
2 "SELECT b||a FROM t1 ORDER BY (b||a) COLLATE nocase" {onea threec twob}
3 "SELECT b||a FROM t1 ORDER BY (b||a) ASC" {onea threec twob}
4 "SELECT b||a FROM t1 ORDER BY (b||a) DESC" {twob threec onea}

# EVIDENCE-OF: R-23926-36668 -- syntax diagram select-stmt
#

do_select_tests e_select-0.7 {
1 "SELECT * FROM t1" {a one b two c three}
2 "SELECT * FROM t1 ORDER BY b" {a one c three b two}
3 "SELECT * FROM t1 ORDER BY b, a" {a one c three b two}
4 "SELECT * FROM t1 LIMIT 10" {a one b two c three}
5 "SELECT * FROM t1 LIMIT 10 OFFSET 5" {}
6 "SELECT * FROM t1 LIMIT 10, 5" {}
7 "SELECT * FROM t1 ORDER BY a LIMIT 10" {a one b two c three}
8 "SELECT * FROM t1 ORDER BY b LIMIT 10 OFFSET 5" {}
9 "SELECT * FROM t1 ORDER BY a,b LIMIT 10, 5" {}
10 "SELECT * FROM t1 UNION SELECT b, a FROM t1" {a one b two c three one a three c two b}
11 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b" {one a two b three c a one c three b two}
12 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b, a" {one a two b three c a one c three b two}
13 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a LIMIT 10" {a one b two c three one a three c two b}
14 "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10 OFFSET 5" {two b}
15 "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10, 5" {}
16 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a LIMIT 10" {a one b two c three one a three c two b}
17 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b LIMIT 10 OFFSET 5" {b two}
18 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a,b LIMIT 10, 5" {}
}

# The following tests focus on FROM clause (join) processing.
#

# EVIDENCE-OF: R-16074-54196 If the FROM clause is omitted from a simple
# SELECT statement, then the input data is implicitly a single row zero
# columns wide
#

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do_select_tests e_select-1.1 {
  1  "SELECT 'abc'"          {abc}
  2  "SELECT 'abc' WHERE NULL" { }
  3  "SELECT NULL"            {{{}}}
  4  "SELECT count(*)"        {1}
  5  "SELECT count(*) WHERE 0" {0}
  6  "SELECT count(*) WHERE 1" {1}
}

# EVIDENCE-OF: R-48114-33255 If there is only a single table in the
# join-source following the FROM clause, then the input data used by the
# SELECT statement is the contents of the named table.
#
# The results of the SELECT queries suggest that they are operating on the
# contents of the table 'xx'.
#
# do_execsql_test e_select-1.2.0 {
CREATE TABLE xx(x, y):
   INSERT INTO xx VALUES('IiJlsIPeM2AhU', X'10B00B897A15BAA02E3F98DCE8F2');
   INSERT INTO xx VALUES(NULL, -16.87);
   INSERT INTO xx VALUES(-17.89, 'linguistically');
} {}

do_select_tests e_select-1.2 {
  1  "SELECT quote(x), quote(y) FROM xx" {
       'IiJlsIPeM2AhU' X'10B00B897A15BAA02E3F98DCE8F2'
       NULL           -16.87
       -17.89          'linguistically'
  }

  2  "SELECT count(*), count(x), count(y) FROM xx" {3 2 3}
  3  "SELECT sum(x), sum(y) FROM xx"               {-17.89 -16.87}
}

# EVIDENCE-OF: R-23593-12456 If there is more than one table specified
# as part of the join-source following the FROM keyword, then the
# contents of each named table are joined into a single dataset for the
# simple SELECT statement to operate on.
#
# There are more detailed tests for subsequent requirements that add
# more detail to this idea. We just add a single test that shows that
# data is coming from each of the three tables following the FROM clause
# here to show that the statement, vague as it is, is not incorrect.
#
# do_select_tests e_select-1.3 {
  1  "SELECT * FROM t1, t2, t3" {
       a one a I a 1 a one a I b 2 a one b II a l
       a one b II b 2 a one c III a 1 a one c III b 2
       b two a I a 1 b two a I b 2 b two b II a l
The following block of tests - e_select-1.4.* - test that the description of cartesian joins in the SELECT documentation is consistent with SQLite. In doing so, we test the following three requirements as a side-effect:

- **EVIDENCE-OF: R-46122-14930** If the join-op is "CROSS JOIN", "INNER JOIN", "JOIN" or a comma (",") and there is no ON or USING clause, then the result of the join is simply the cartesian product of the left and right-hand datasets.

- **EVIDENCE-OF: R-46256-57243** There is no difference between the "INNER JOIN", "JOIN" and "," join operators.

- **EVIDENCE-OF: R-07544-24155** The "CROSS JOIN" join operator produces the same data as the "INNER JOIN", "JOIN" and "," operators.

All tests are run 4 times, with the only difference in each run being which of the 4 equivalent cartesian product join operators are used. Since the output data is the same in all cases, we consider that this qualifies as testing the two statements above.

do_execsql_test e_select-1.4.0 {
  CREATE TABLE x1(a, b);
  CREATE TABLE x2(c, d, e);
  CREATE TABLE x3(f, g, h, i);

  -- x1: 3 rows, 2 columns
  INSERT INTO x1 VALUES(24, 'converging');
  INSERT INTO x1 VALUES(NULL, X'CB71');
  INSERT INTO x1 VALUES('blonds', 'proprietary');

  -- x2: 2 rows, 3 columns
  INSERT INTO x2 VALUES(-60.06, NULL, NULL);
  INSERT INTO x2 VALUES(-58, NULL, 1.21);

  -- x3: 5 rows, 4 columns
  INSERT INTO x3 VALUES(-39.24, NULL, 'encompass', -1);
  INSERT INTO x3 VALUES('presenting', 51, 'reformation', 'dignified');
INSERT INTO x3 VALUES('conducting', -87.24, 37.56, NULL);
INSERT INTO x3 VALUES('coldest', -96, 'dramatists', 82.3);
INSERT INTO x3 VALUES('alerting', NULL, -93.79, NULL);
}

# EVIDENCE-OF: R-59089-25828 The columns of the cartesian product
# dataset are, in order, all the columns of the left-hand dataset
# followed by all the columns of the right-hand dataset.
#

do_join_test e_select-1.4.1.1 {
    SELECT * FROM x1 %JOIN% x2 LIMIT 1
} [concat {24 converging} [-60.06 {} {}}]

do_join_test e_select-1.4.1.2 {
    SELECT * FROM x2 %JOIN% x1 LIMIT 1
} [concat [-60.06 {} {}] {24 converging}]

do_join_test e_select-1.4.1.3 {
    SELECT * FROM x3 %JOIN% x2 LIMIT 1
} [concat {-39.24 {} encompass -1} {-60.06 {} {}}]

do_join_test e_select-1.4.1.4 {
    SELECT * FROM x2 %JOIN% x3 LIMIT 1
} [concat {-60.06 {} {}} {-39.24 {} encompass -1}]

# EVIDENCE-OF: R-44414-54710 There is a row in the cartesian product
# dataset formed by combining each unique combination of a row from the
# left-hand and right-hand datasets.
#

do_join_test e_select-1.4.2.1 {
    SELECT * FROM x2 %JOIN% x3
} [list -60.06 {} {} -39.24 {} encompass -1 \ -60.06 {} {} presenting 51 reformation dignified \ -60.06 {} {} conducting -87.24 37.56 {} \ -60.06 {} {} coldest -96 dramatists 82.3 \ -60.06 {} {} alerting {} -93.79 {} \ -58 {} 1.21 -39.24 {} encompass -1 \ -58 {} 1.21 presenting 51 reformation dignified \ -58 {} 1.21 conducting -87.24 37.56 {} \ -58 {} 1.21 coldest -96 dramatists 82.3 \ -58 {} 1.21 alerting {} -93.79 {} \]

# TODO: Come back and add a few more like the above.

# EVIDENCE-OF: R-20659-43267 In other words, if the left-hand dataset
# consists of Nlhs rows of Mlhs columns, and the right-hand dataset of
# Nrhs rows of Mrhs columns, then the cartesian product is a dataset of
# Nlhs.Nrhs rows, each containing Mlhs+Mrhs columns.
# x1, x2  (Nlhs=3, Nrhs=2)  (Mlhs=2, Mrhs=3)
do_join_test e_select-1.4.3.1 {
  SELECT count(*) FROM x1 %JOIN% x2
} [expr 3*2]
do_test e_select-1.4.3.2 {
  expr ([llength [execsql {SELECT * FROM x1, x2}]] / 6)
} [expr 2+3]

# x2, x3  (Nlhs=2, Nrhs=5)  (Mlhs=3, Mrhs=4)
do_join_test e_select-1.4.3.3 {
  SELECT count(*) FROM x2 %JOIN% x3
} [expr 2*5]
do_test e_select-1.4.3.4 {
  expr ([llength [execsql {SELECT * FROM x2 JOIN x3}]] / 10)
} [expr 3+4]

# x3, x1  (Nlhs=5, Nrhs=3)  (Mlhs=4, Mrhs=2)
do_join_test e_select-1.4.3.5 {
  SELECT count(*) FROM x3 %JOIN% x1
} [expr 5*3]
do_test e_select-1.4.3.6 {
  expr ([llength [execsql {SELECT * FROM x3 CROSS JOIN x1}]] / 15)
} [expr 4+2]

# x3, x3  (Nlhs=5, Nrhs=5)  (Mlhs=4, Mrhs=4)
do_join_test e_select-1.4.3.7 {
  SELECT count(*) FROM x3 %JOIN% x3
} [expr 5*5]
do_test e_select-1.4.3.8 {
  expr ([llength [execsql {SELECT * FROM x3 INNER JOIN x3 AS x4}]] / 25)
} [expr 4+4]

# Some extra cartesian product tests using tables t1 and t2.
#
do_execsql_test e_select-1.4.4.1 { SELECT * FROM t1, t2 } $t1_cross_t2
do_execsql_test e_select-1.4.4.2 { SELECT * FROM t1 AS x, t1 AS y } $t1_cross_t1
do_select_tests e_select-1.4.4.5 [list
  1 { SELECT * FROM t1 CROSS JOIN t2 } $t1_cross_t2
  2 { SELECT * FROM t1 AS y CROSS JOIN t1 AS x } $t1_cross_t1
  3 { SELECT * FROM t1 AS y INNER JOIN t2 } $t1_cross_t2
  4 { SELECT * FROM t1 AS y INNER JOIN t1 AS x } $t1_cross_t1
]
# as a boolean expression. All rows for which the expression evaluates
# to false are excluded from the dataset.
#
foreach {tn select res} [list

1 { SELECT * FROM t1 %JOIN% t2 ON (1) } $t1_cross_t2
2 { SELECT * FROM t1 %JOIN% t2 ON (0) } [list]
3 { SELECT * FROM t1 %JOIN% t2 ON (NULL) } [list]
4 { SELECT * FROM t1 %JOIN% t2 ON ('abc') } [list]
5 { SELECT * FROM t1 %JOIN% t2 ON ('1ab') } $t1_cross_t2
6 { SELECT * FROM t1 %JOIN% t2 ON (0.9) } $t1_cross_t2
7 { SELECT * FROM t1 %JOIN% t2 ON (0.9) } $t1_cross_t2
8 { SELECT * FROM t1 %JOIN% t2 ON (0.0) } [list]

9 { SELECT t1.b, t2.b FROM t1 %JOIN% t2 ON (t1.a = t2.a) } \
   {one I two II three III}
10 { SELECT t1.b, t2.b FROM t1 %JOIN% t2 ON (t1.a = 'a') } \
    {one I one II one III}
11 { SELECT t1.b, t2.b FROM t1 %JOIN% t2 ON (CASE WHEN t1.a = 'a' THEN NULL ELSE 1 END) } \
    {two I two II three I three II three III}
] {
  do_join_test e_select-1.3.$tn $select $res
}

# EVIDENCE-OF: R-63358-54862 If there is a USING clause specified as
# part of the join-constraint, then each of the column names specified
# must exist in the datasets to both the left and right of the join-op.
#
do_select_tests e_select-1.4 -error {
  cannot join using column %s - column not present in both tables
}

1 { SELECT * FROM t1, t3 USING (b) } "b"
2 { SELECT * FROM t3, t1 USING (c) } "c"
3 { SELECT * FROM t3, (SELECT a AS b, b AS c FROM t1) USING (a) } "a"

# EVIDENCE-OF: R-55987-04584 For each pair of namesake columns, the
# expression "lhs.X = rhs.X" is evaluated for each row of the cartesian
# product as a boolean expression. All rows for which one or more of the
# expressions evaluates to false are excluded from the result set.
#
do_select_tests e_select-1.5 {
1 { SELECT * FROM t1, t3 USING (a) } {a one 1 b two 2}
2 { SELECT * FROM t3, t4 USING (a,c) } {b 2}

# EVIDENCE-OF: R-54046-48600 When comparing values as a result of a
# USING clause, the normal rules for handling affinities, collation
sequences and NULL values in comparisons apply.

# EVIDENCE-OF: R-35466-18578 The column from the dataset on the
# left-hand side of the join operator is considered to be on the
# left-hand side of the comparison operator (=) for the purposes of
# collation sequence and affinity precedence.

# do_execsql_test e_select-1.6.0 {
  CREATE TABLE t5(a COLLATE nocase, b COLLATE binary);
  INSERT INTO t5 VALUES('AA', 'cc');
  INSERT INTO t5 VALUES('BB', 'dd');
  INSERT INTO t5 VALUES(NULL, NULL);
  CREATE TABLE t6(a COLLATE binary, b COLLATE nocase);
  INSERT INTO t6 VALUES('aa', 'cc');
  INSERT INTO t6 VALUES('bb', 'dd');
  INSERT INTO t6 VALUES(NULL, NULL);
}

foreach {tn select res} {
  1 { SELECT * FROM t5 %JOIN% t6 USING (a) } {AA cc cc BB dd dd}
  2 { SELECT * FROM t6 %JOIN% t5 USING (a) } {}
  3 { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) %JOIN% t5 USING (a) }
    {aa cc cc bb dd dd}
  4 { SELECT * FROM t5 %JOIN% t6 USING (a,b) } {}
  5 { SELECT * FROM t6 %JOIN% t5 USING (a,b) } {}
}

do_join_test e_select-1.6.$tn $select $res

# EVIDENCE-OF: R-57047-10461 For each pair of columns identified by a
# USING clause, the column from the right-hand dataset is omitted from
# the joined dataset.

# EVIDENCE-OF: R-56132-15700 This is the only difference between a USING
# clause and its equivalent ON constraint.

foreach {tn select res} {
  1a { SELECT * FROM t1 %JOIN% t2 USING (a) } {a one I b two II c three III}
  1b { SELECT * FROM t1 %JOIN% t2 ON (t1.a=t2.a) } {a one a I b two b II c three c III}
  2a { SELECT * FROM t3 %JOIN% t4 USING (a) } {a 1 b 2 2}
  2b { SELECT * FROM t3 %JOIN% t4 ON (t3.a=t4.a) } {a 1 a 2 b 2 2}
  3a { SELECT * FROM t3 %JOIN% t4 USING (a,c) } {b 2}
  3b { SELECT * FROM t3 %JOIN% t4 ON (t3.a=t4.a AND t3.c=t4.c) } {b 2 b 2}
4a { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) AS x
  %JOIN% t5 USING (a )
  {aa cc cc bb DD dd}
4b { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) AS x
  %JOIN% t5 ON (x.a=t5.a)
  {aa cc AA cc bb DD BB dd}
} }
do_join_test e_select-1.7 $tn $select $res

# EVIDENCE-OF: R-41434-12448 If the join-op is a "LEFT JOIN" or "LEFT
# OUTER JOIN", then after the ON or USING filtering clauses have been
# applied, an extra row is added to the output for each row in the
# original left-hand input dataset that corresponds to no rows at all in
# the composite dataset (if any).
#
do_execsql_test e_select-1.8.0 {
  CREATE TABLE t7(a, b, c);
  CREATE TABLE t8(a, d, e);

  INSERT INTO t7 VALUES('x', 'ex', 24);
  INSERT INTO t7 VALUES('y', 'why', 25);

  INSERT INTO t8 VALUES('x', 'abc', 24);
  INSERT INTO t8 VALUES('z', 'ghi', 26);
} {}
do_select_tests e_select-1.8 {
  1a "SELECT count(*) FROM t7 JOIN t8 ON (t7.a=t8.a)" {1}
  1b "SELECT count(*) FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)" {2}
  2a "SELECT count(*) FROM t7 JOIN t8 USING (a)" {1}
  2b "SELECT count(*) FROM t7 LEFT JOIN t8 USING (a)" {2}
}

# EVIDENCE-OF: R-15607-52988 The added rows contain NULL values in the
# columns that would normally contain values copied from the right-hand
# input dataset.
#
do_select_tests e_select-1.9 {
  1a "SELECT * FROM t7 JOIN t8 ON (t7.a=t8.a)" { x ex 24 x abc 24}
  1b "SELECT * FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)"
    { x ex 24 x abc 24 y why 25 } {}
  2a "SELECT * FROM t7 JOIN t8 USING (a)" { x ex 24 abc 24}
  2b "SELECT * FROM t7 LEFT JOIN t8 USING (a)" { x ex 24 abc 24 y why 25 } {}
}
If the NATURAL keyword is added to any of the join-ops, then an implicit USING clause is added to the join-constraints. The implicit USING clause contains each of the column names that appear in both the left and right-hand input datasets.

```
do_select_tests e_select-1-10 {
  1a "SELECT * FROM t7 JOIN t8 USING (a)"    {x ex abc 24}
  1b "SELECT * FROM t7 NATURAL JOIN t8"    {x ex abc 24}
  2a "SELECT * FROM t8 JOIN t7 USING (a)"    {x abc ex 24}
  2b "SELECT * FROM t8 NATURAL JOIN t7"    {x abc ex 24}
  3a "SELECT * FROM t7 LEFT JOIN t8 USING (a)"    {x ex abc 24 y why 25}
  3b "SELECT * FROM t7 NATURAL LEFT JOIN t8"    {x ex abc 24 y why 25}
  4a "SELECT * FROM t8 LEFT JOIN t7 USING (a)"    {x abc ex 24 z ghi 26}
  4b "SELECT * FROM t8 NATURAL LEFT JOIN t7"    {x abc ex 24 z ghi 26}
  5a "SELECT * FROM t3 JOIN t4 USING (a,c)"    {b 2}
  5b "SELECT * FROM t3 NATURAL JOIN t4"    {b 2}
  6a "SELECT * FROM t3 LEFT JOIN t4 USING (a,c)"    {a b 1}
  6b "SELECT * FROM t3 NATURAL LEFT JOIN t4"    {a b 1}
}
```

If the left and right-hand input datasets feature no common column names, then the NATURAL keyword has no effect on the results of the join.

```
do_execsql_test e_select-1.11.0 {
  CREATE TABLE t10(x, y);
  INSERT INTO t10 VALUES(1, 'true');
  INSERT INTO t10 VALUES(0, 'false');
}
```

A USING or ON clause may not be added to a join that specifies the NATURAL keyword.

```
foreach {tn sql} {
  1 {SELECT * FROM t1 NATURAL LEFT JOIN t2 USING (a)}
  2 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (t1.a=t2.a)}
  3 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (45)}
}
```
do_catchsql_test e_select-1.12.$tn "
$sql
" {1 [a NATURAL join may not have an ON or USING clause]}
}

#-----------------------------------------------
# The next block of tests - e_select-3.* - concentrate on verifying
# statements made regarding WHERE clause processing.
#
# drop_all_tables
#do_execsql_test e_select-3.0 {
#  CREATE TABLE x1(k, x, y, z);
#  INSERT INTO x1 VALUES(1, 'relinquished', 'aphasia', 78.43);
#  INSERT INTO x1 VALUES(2, 'A8E8D66F', '07CF', -81);
#  INSERT INTO x1 VALUES(3, -22, -27.57, NULL);
#  INSERT INTO x1 VALUES(4, NULL, 'bygone', 'picky');
#  INSERT INTO x1 VALUES(5, NULL, 96.28, NULL);
#  INSERT INTO x1 VALUES(6, 0, 1, 2);
#}
#
# CREATE TABLE x2(k, x, y2);
# INSERT INTO x2 VALUES(1, 50, 'B82838');
# INSERT INTO x2 VALUES(5, 84.79, 65.88);
# INSERT INTO x2 VALUES(3, -22, '0E1BE452A393');
# INSERT INTO x2 VALUES(7, 'mistrusted', 'standardized');
#} {}

# EVIDENCE-OF: R-06999-14330 If a WHERE clause is specified, the WHERE
# expression is evaluated for each row in the input data as a boolean
# expression. All rows for which the WHERE clause expression evaluates
# to false are excluded from the dataset before continuing.
#
# do_execsql_test e_select-3.1.1 { SELECT k FROM x1 WHERE x } {3}
do_execsql_test e_select-3.1.2 { SELECT k FROM x1 WHERE y } {3 5 6}
do_execsql_test e_select-3.1.3 { SELECT k FROM x1 WHERE z } {1 2 6}
do_execsql_test e_select-3.1.4 { SELECT k FROM x1 WHERE '1'||z } {1 2 4 6}
do_execsql_test e_select-3.1.5 { SELECT k FROM x1 WHERE x IS NULL } {4 5}
do_execsql_test e_select-3.1.6 { SELECT k FROM x1 WHERE z - 78.43 } {2 4 6}

do_execsql_test e_select-3.2.1a {
  SELECT k FROM x1 LEFT JOIN x2 USING(k)
} {1 2 3 4 5 6}
do_execsql_test e_select-3.2.1b {
  SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k
} {1 3 5}
do_execsql_test e_select-3.2.2 {
  SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k IS NULL
} {2 4 6}
do_execsql_test e_select-3.2.3 {
    SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k
} {3}
do_execsql_test e_select-3.2.4 {
    SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k-3
} {}

# Tests below this point are focused on verifying the testable statements
# related to calculating the result rows of a simple SELECT statement.
#

drop_all_tables
do_execsql_test e_select-4.0 {
    CREATE TABLE z1(a, b, c);
    CREATE TABLE z2(d, e);
    CREATE TABLE z3(a, b);

    INSERT INTO z1 VALUES(51.65, -59.58, 'belfries');
    INSERT INTO z1 VALUES(-5, NULL, 75);
    INSERT INTO z1 VALUES(-2.2, -23.18, 'suiters');
    INSERT INTO z1 VALUES(NULL, 67, 'quartets');
    INSERT INTO z1 VALUES(-1.04, -32.3, 'aspen');
    INSERT INTO z1 VALUES(63, 'born', -26);

    INSERT INTO z2 VALUES(NULL, 21);
    INSERT INTO z2 VALUES(36, 6);

    INSERT INTO z3 VALUES('subsistence', 'gauze');
    INSERT INTO z3 VALUES(49.17, -67);
} {}

# EVIDENCE-OF: R-36327-17224 If a result expression is the special
# expression "*" then all columns in the input data are substituted for
# that one expression.
#
# EVIDENCE-OF: R-43693-30522 If the expression is the alias of a table
# or subquery in the FROM clause followed by ".*" then all columns from
# the named table or subquery are substituted for the single expression.
#
do_select_tests e_select-4.1 {
    1 "SELECT * FROM z1 LIMIT 1" {51.65 -59.58 belfries}
    2 "SELECT * FROM z1,z2 LIMIT 1" {51.65 -59.58 belfries {} 21}
    3 "SELECT z1.* FROM z1,z2 LIMIT 1" {51.65 -59.58 belfries}
    4 "SELECT z2.* FROM z1,z2 LIMIT 1" {{} 21}
    5 "SELECT z2.*, z1.* FROM z1,z2 LIMIT 1" {{} 21 51.65 -59.58 belfries}

    6 "SELECT count(*), * FROM z1" {6 63 born -26}
7 "SELECT max(a), * FROM z1" {63 63 born -26}
8 "SELECT *, min(a) FROM z1" {-5 {75 -5}

9 "SELECT *,* FROM z1,z2 LIMIT 1" {
   51.65 -59.58 belfries [21 51.65 -59.58 belfries [21
}
10 "SELECT z1.*,z1.* FROM z2,z1 LIMIT 1" {
   51.65 -59.58 belfries 51.65 -59.58 belfries
}

# EVIDENCE-OF: R-61869-22578 It is an error to use a "*" or "alias.*" expression in any context other than than a result expression list.
# EVIDENCE-OF: R-44324-41166 It is also an error to use a "*" or "alias.*" expression in a simple SELECT query that does not have a # FROM clause.

foreach {tn select err} {
   1.1 "SELECT a, b, c FROM z1 WHERE *" {near ":" syntax error}
   1.2 "SELECT a, b, c FROM z1 GROUP BY *" {near ":" syntax error}
   1.3 "SELECT 1 + * FROM z1" {near ":" syntax error}
   1.4 "SELECT * + 1 FROM z1" {near ":" syntax error}

   2.1 "SELECT *" {no tables specified}
   2.2 "SELECT * WHERE 1" {no tables specified}
   2.3 "SELECT * WHERE 0" {no tables specified}
   2.4 "SELECT count(*), *" {no tables specified}
}
}
do_catchsql_test e_select-4.2.$tn $select [list 1 $err]

# EVIDENCE-OF: R-08669-22397 The number of columns in the rows returned by a simple SELECT statement is equal to the number of expressions in the result expression list after substitution of * and alias.* expressions.

foreach {tn select nCol} {
   1 "SELECT * FROM z1" 3
   2 "SELECT * FROM z1 NATURAL JOIN z3" 3
   3 "SELECT z1.*, FROM z1 NATURAL JOIN z3" 3
   4 "SELECT z3.*, FROM z1 NATURAL JOIN z3" 2
   5 "SELECT z1.*, z3.* FROM z1 NATURAL JOIN z3" 5
   6 "SELECT 1, 2, z1.* FROM z1" 5
   7 "SELECT a, *, b, c FROM z1" 6
}
}
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
do_test e_select-4.3.$tn [sqlite3_column_count $::stmt ] $nCol
In lang_select.html, a non-aggregate query is defined as any simple SELECT that has no GROUP BY clause and no aggregate expressions in the result expression list. Other queries are aggregate queries. Test cases e_select-4.4.* through e_select-4.12.*, inclusive, which test the part of simple SELECT that is different for aggregate and non-aggregate queries verify (in a way) that these definitions are consistent:

- **EVIDENCE-OF:** R-20637-43463 A simple SELECT statement is an aggregate query if it contains either a GROUP BY clause or one or more aggregate functions in the result-set.
- **EVIDENCE-OF:** R-23155-55597 Otherwise, if a simple SELECT contains no aggregate functions or a GROUP BY clause, it is a non-aggregate query.
- **EVIDENCE-OF:** R-44050-47362 If the SELECT statement is a non-aggregate query, then each expression in the result expression list is evaluated for each row in the dataset filtered by the WHERE clause.

```c
do_select_tests e_select-4.4 {
1  "SELECT a, b FROM z1"
   {51.65 -59.58 -5 {} -2.2 -23.18 {} 67 -1.04 -32.3 63 born}
2  "SELECT a IS NULL, b+1, * FROM z1" {
   0 -58.58   51.65 -59.58 belfries
   0 {}       -5 {} 75
   0 -22.18   -2.2 -23.18 suiters
   1 68       {} 67 quartets
   0 -31.3    -1.04 -32.3 aspen
   0 1        63 born -26
}
3  "SELECT 32*32, d||e FROM z2" {1024 {} 1024 366}
}
```

Test cases e_select-4.5.* and e_select-4.6.* together show that:

- **EVIDENCE-OF:** R-51988-01124 The single row of result-set data created by evaluating the aggregate and non-aggregate expressions in the result-set forms the result of an aggregate query without a GROUP BY clause.
# EVIDENCE-OF: R-57629-25253 If the SELECT statement is an aggregate
# query without a GROUP BY clause, then each aggregate expression in the
# result-set is evaluated once across the entire dataset.
#
# do_select_tests e_select-4.5 {
#  1 "SELECT count(a), max(a), count(b), max(b) FROM z1"  \[5 63 5 born\]
#  2 "SELECT count(*), max(1)" \[1 1\]
#  3 "SELECT sum(b+1) FROM z1 NATURAL LEFT JOIN z3" \[-43.06\]
#  4 "SELECT sum(b+2) FROM z1 NATURAL LEFT JOIN z3" \[-38.06\]
#  5 "SELECT sum(b IS NOT NULL) FROM z1 NATURAL LEFT JOIN z3" \[5\]
#}

# EVIDENCE-OF: R-26684-40576 Each non-aggregate expression in the
# result-set is evaluated once for an arbitrarily selected row of the
# dataset.
#
# # EVIDENCE-OF: R-27994-60376 The same arbitrarily selected row is used
# for each non-aggregate expression.
#
# # Note: The results of many of the queries in this block of tests are
# technically undefined, as the documentation does not specify which row
# SQLite will arbitrarily select to use for the evaluation of the
# non-aggregate expressions.
#
drop_all_tables

do_execsql_test e_select-4.6.0 {
  CREATE TABLE a1(one PRIMARY KEY, two);
  INSERT INTO a1 VALUES(1, 1);
  INSERT INTO a1 VALUES(2, 3);
  INSERT INTO a1 VALUES(3, 6);
  INSERT INTO a1 VALUES(4, 10);

  CREATE TABLE a2(one PRIMARY KEY, three);
  INSERT INTO a2 VALUES(1, 1);
  INSERT INTO a2 VALUES(3, 2);
  INSERT INTO a2 VALUES(6, 3);
  INSERT INTO a2 VALUES(10, 4);
} {}

do_select_tests e_select-4.6 {
  1 "SELECT one, two, count(*) FROM a1" \[4 10 4\]
  2 "SELECT one, two, count(*) FROM a1 WHERE one<3" \[2 3 2\]
  3 "SELECT one, two, count(*) FROM a1 WHERE one>3" \[4 10 1\]
  4 "SELECT *, count(*) FROM a1 JOIN a2" \[4 10 10 4 16\]
  5 "SELECT *, sum(three) FROM a1 NATURAL JOIN a2" \[3 6 2 3\]
  6 "SELECT *, sum(three) FROM a1 NATURAL JOIN a2" \[3 6 2 3\]
  7 "SELECT group_concat(three, ")" FROM a1 NATURAL JOIN a2" \[12 3 6\]
# EVIDENCE-OF: R-04486-07266 Or, if the dataset contains zero rows, then
# each non-aggregate expression is evaluated against a row consisting
# entirely of NULL values.
#
do_select_tests e_select-4.7 {
  1  "SELECT one, two, count(*) FROM a1 WHERE 0"   {{} {} 0}
  2  "SELECT sum(two), * FROM a1, a2 WHERE three>5"   {{} {} {} {} {}}
  3  "SELECT max(one) IS NULL, one IS NULL, two IS NULL FROM a1 WHERE two=7" {
      1 1 1
  }
}

# EVIDENCE-OF: R-64138-28774 An aggregate query without a GROUP BY
# clause always returns exactly one row of data, even if there are zero
# rows of input data.
#
foreach {tn select} {
  8.1  "SELECT count(*) FROM a1"
  8.2  "SELECT count(*) FROM a1 WHERE 0"
  8.3  "SELECT count(*) FROM a1 WHERE 1"
  8.4  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 1"
  8.5  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 0"
}

# Set $nRow to the number of rows returned by $select:
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
set nRow 0
while {"SQLITE_ROW" == [sqlite3_step $::stmt]} { incr nRow }
set rc [sqlite3_finalize $::stmt]

# Test that $nRow==1 and that statement execution was successful
# (rc==SQLITE_OK).
do_test e_select-4.$tn [list list $rc $nRow] {SQLITE_OK 1}
}
drop_all_tables
do_execsql_test e_select-4.9.0 {
  CREATE TABLE b1(one PRIMARY KEY, two);
  INSERT INTO b1 VALUES(1, 'o');
  INSERT INTO b1 VALUES(4, 'f');
  INSERT INTO b1 VALUES(3, 't');
  INSERT INTO b1 VALUES(2, 't');
  INSERT INTO b1 VALUES(5, 'f');
  INSERT INTO b1 VALUES(7, 's');
  INSERT INTO b1 VALUES(6, 's');
  CREATE TABLE b2(x, y);

  # Test that $nRow==1 and that statement execution was successful
  # (rc==SQLITE_OK).
do_test e_select-4.$tn [list list $rc $nRow] {SQLITE_OK 1}
}
INSERT INTO b2 VALUES(NULL, 0);
INSERT INTO b2 VALUES(NULL, 1);
INSERT INTO b2 VALUES('xyz', 2);
INSERT INTO b2 VALUES('abc', 3);
INSERT INTO b2 VALUES('xyz', 4);

CREATE TABLE b3(a COLLATE nocase, b COLLATE binary);
INSERT INTO b3 VALUES('abc', 'abc');
INSERT INTO b3 VALUES('aBC', 'aBC');
INSERT INTO b3 VALUES('Def', 'Def');
INSERT INTO b3 VALUES('def', 'def');

# EVIDENCE-OF: R-57754-57109 If the SELECT statement is an aggregate
# query with a GROUP BY clause, then each of the expressions specified
# as part of the GROUP BY clause is evaluated for each row of the
# dataset. Each row is then assigned to a "group" based on the results;
# rows for which the results of evaluating the GROUP BY expressions are
# the same are assigned to the same group.
#
# These tests also show that the following is not untrue:
#
# EVIDENCE-OF: R-25883-55063 The expressions in the GROUP BY clause do
# not have to be expressions that appear in the result.
#
do_select_tests e_select-4.9 {
  1  "SELECT group_concat(one), two FROM b1 GROUP BY two" {
    /#,# f   1 o   #,# s #,# t/
  }
  2  "SELECT group_concat(one), sum(one) FROM b1 GROUP BY (one>4)" {
    1,2,3,4 10    5,6,7 18
  }
  3  "SELECT group_concat(one) FROM b1 GROUP BY (two>'o'), one%2" {
    4 1,5    2,6   3,7
  }
  4  "SELECT group_concat(one) FROM b1 GROUP BY (one==2 OR two=='o')" {
    4,3,5,7,6    1,2
  }
}

# EVIDENCE-OF: R-14926-50129 For the purposes of grouping rows, NULL
# values are considered equal.
#
do_select_tests e_select-4.10 {
  1  "SELECT group_concat(y) FROM b2 GROUP BY x" {
    /#,# 3 #,#/
  }
  2  "SELECT count(*) FROM b2 GROUP BY CASE WHEN y<4 THEN NULL ELSE 0 END" {4 1}
}

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The usual rules for selecting a collation sequence with which to compare text values apply when evaluating expressions in a GROUP BY clause.

```
do_select_tests e_select-4.11 {
  1  "SELECT count(*) FROM b3 GROUP BY b"      {1 1 1 1}
  2  "SELECT count(*) FROM b3 GROUP BY a"      {2 2}
  3  "SELECT count(*) FROM b3 GROUP BY +b"     {1 1 1 1}
  4  "SELECT count(*) FROM b3 GROUP BY +a"     {2 2}
  5  "SELECT count(*) FROM b3 GROUP BY b||''"  {1 1 1 1}
  6  "SELECT count(*) FROM b3 GROUP BY a||''"  {1 1 1 1}
}
```

The expressions in a GROUP BY clause may not be aggregate expressions.

```
foreach {tn select} {
  12.1  "SELECT * FROM b3 GROUP BY count(*)"
  12.2  "SELECT max(a) FROM b3 GROUP BY max(b)"
  12.3  "SELECT group_concat(a) FROM b3 GROUP BY a, max(b)"
} {
  set res {1 {aggregate functions are not allowed in the GROUP BY clause}}
do_catchsql_test e_select-4.$tn $select $res
}
```

If a HAVING clause is specified, it is evaluated once for each group of rows as a boolean expression. If the result of evaluating the HAVING clause is false, the group is discarded.

```
# This requirement is tested by all e_select-4.13.* tests.
```

If the HAVING clause is an aggregate expression, it is evaluated across all rows in the group.

```
# Tested by e_select-4.13.1.*
```

If the HAVING clause is a non-aggregate expression, it is evaluated with respect to an arbitrarily selected row from the group.

```
# Tested by e_select-4.13.2.*
```

Tests in this block also show that this is not untrue:

```
# The HAVING expression may refer to values, even aggregate functions, that are not in the result.
```
do_execsql_test e_select-4.13.0 {
CREATE TABLE c1(up, down);
INSERT INTO c1 VALUES('x', 1);
INSERT INTO c1 VALUES('x', 2);
INSERT INTO c1 VALUES('x', 4);
INSERT INTO c1 VALUES('x', 8);
INSERT INTO c1 VALUES('x', 16);
INSERT INTO c1 VALUES('y', 32);

CREATE TABLE c2(i, j);
INSERT INTO c2 VALUES(1, 0);
INSERT INTO c2 VALUES(2, 1);
INSERT INTO c2 VALUES(3, 3);
INSERT INTO c2 VALUES(4, 6);
INSERT INTO c2 VALUES(5, 10);
INSERT INTO c2 VALUES(6, 15);
INSERT INTO c2 VALUES(7, 21);
INSERT INTO c2 VALUES(8, 28);
INSERT INTO c2 VALUES(9, 36);

CREATE TABLE c3(i PRIMARY KEY, k TEXT);
INSERT INTO c3 VALUES(1, 'hydrogen');
INSERT INTO c3 VALUES(2, 'helium');
INSERT INTO c3 VALUES(3, 'lithium');
INSERT INTO c3 VALUES(4, 'beryllium');
INSERT INTO c3 VALUES(5, 'boron');
INSERT INTO c3 VALUES(94, 'plutonium');
}
}

# EVIDENCE-OF: R-23927-54081 Each expression in the result-set is then
# evaluated once for each group of rows.
#
# EVIDENCE-OF: R-53735-47017 If the expression is an aggregate
# expression, it is evaluated across all rows in the group.
# do_select_tests e_select-4.15 {

do_select_tests e_select-4.13 {
  1.1 "SELECT up FROM c1 GROUP BY up HAVING count(*)>3" {x}
  1.2 "SELECT up FROM c1 GROUP BY up HAVING sum(down)>16" {y}
  1.3 "SELECT up FROM c1 GROUP BY up HAVING sum(down)<16" {x}
  1.4 "SELECT up||down FROM c1 GROUP BY (down<5) HAVING max(down)<10" {x4}

  2.1 "SELECT up FROM c1 GROUP BY up HAVING down>10" {y}
  2.2 "SELECT up FROM c1 GROUP BY up HAVING up='y'" {y}

  2.3 "SELECT i, j FROM c2 GROUP BY i>4 HAVING i>6" {9 36}
}

---
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1  "SELECT sum(down) FROM c1 GROUP BY up" {15 48}
2  "SELECT sum(j), max(j) FROM c2 GROUP BY (i%3)" {54 36 27 21 39 28}
3  "SELECT sum(j), max(j) FROM c2 GROUP BY (j%2)" {80 36 40 21}
4  "SELECT 1+sum(j), max(j)+1 FROM c2 GROUP BY (j%2)" {81 37 41 22}
5  "SELECT count(*), round(avg(i),2) FROM c1, c2 ON (i=down) GROUP BY j%2"
   {3 4.33 1 2.0}
}

# EVIDENCE-OF: R-62913-19830 Otherwise, it is evaluated against a single
# arbitrarily chosen row from within the group.
#
# EVIDENCE-OF: R-53924-08809 If there is more than one non-aggregate
# expression in the result-set, then all such expressions are evaluated
# for the same row.
#
# do_select_tests e_select-4.15 {
1  "SELECT i, j FROM c2 GROUP BY i%2" {8 28 9 36}
2  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j<30" {8 28}
3  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j>30" {9 36}
4  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j>30" {9 36}
5  "SELECT count(*), i, k FROM c2 NATURAL JOIN c3 GROUP BY substr(k, 1, 1)"
   {2 5 boron 2 2 helium 1 3 lithium}
}

# EVIDENCE-OF: R-19334-12811 Each group of input dataset rows
# contributes a single row to the set of result rows.
#
# EVIDENCE-OF: R-02223-49279 Subject to filtering associated with the
# DISTINCT keyword, the number of rows returned by an aggregate query
# with a GROUP BY clause is the same as the number of groups of rows
# produced by applying the GROUP BY and HAVING clauses to the filtered
# input dataset.
#
# do_select_tests e_select.4.16 -count {
1  "SELECT i, j FROM c2 GROUP BY i%2" 2
2  "SELECT i, j FROM c2 GROUP BY i" 9
3  "SELECT i, j FROM c2 GROUP BY i HAVING i<5" 4
}

# The following tests attempt to verify statements made regarding the ALL
# and DISTINCT keywords.
#
# drop_all_tables
do_execsql_test e_select-5.1.0 {
 CREATE TABLE h1(a, b);
 INSERT INTO h1 VALUES(1, 'one');
 INSERT INTO h1 VALUES(1, T);
INSERT INTO h1 VALUES(1, 'i');
INSERT INTO h1 VALUES(4, 'four');
INSERT INTO h1 VALUES(4, 'TV');
INSERT INTO h1 VALUES(4, 'iv');

CREATE TABLE h2(x COLLATE nocase);
INSERT INTO h2 VALUES('One');
INSERT INTO h2 VALUES('Two');
INSERT INTO h2 VALUES('Three');
INSERT INTO h2 VALUES('Four');
INSERT INTO h2 VALUES('one');
INSERT INTO h2 VALUES('two');
INSERT INTO h2 VALUES('three');
INSERT INTO h2 VALUES('four');

CREATE TABLE h3(c, d);
INSERT INTO h3 VALUES(1, NULL);
INSERT INTO h3 VALUES(2, NULL);
INSERT INTO h3 VALUES(3, NULL);
INSERT INTO h3 VALUES(4, '2');
INSERT INTO h3 VALUES(5, NULL);
INSERT INTO h3 VALUES(6, '2,3');
INSERT INTO h3 VALUES(7, NULL);
INSERT INTO h3 VALUES(8, '2,4');
INSERT INTO h3 VALUES(9, '3');
}

# EVIDENCE-OF: R-60770-10612 One of the ALL or DISTINCT keywords may
# follow the SELECT keyword in a simple SELECT statement.
#
do_select_tests e_select-5.1 {
  1   "SELECT ALL a FROM h1" {1 1 1 4 4 4}
  2   "SELECT DISTINCT a FROM h1" {1 4}
}

# EVIDENCE-OF: R-08861-34280 If the simple SELECT is a SELECT ALL, then
# the entire set of result rows are returned by the SELECT.
#
# EVIDENCE-OF: R-47911-02086 If neither ALL or DISTINCT are present,
# then the behavior is as if ALL were specified.
#
# EVIDENCE-OF: R-14442-41305 If the simple SELECT is a SELECT DISTINCT,
# then duplicate rows are removed from the set of result rows before it
# is returned.
#
# The three testable statements above are tested by e_select-5.2.*,
# 5.3.* and 5.4.* respectively.
do_select_tests e_select-5 {
  3.1 "SELECT ALL x FROM h2" {One Two Three Four one two three four}
  3.2 "SELECT ALL x FROM h1, h2 ON (x=b)" {One one Four four}

  3.1 "SELECT x FROM h2" {One Two Three Four one two three four}
  3.2 "SELECT x FROM h1, h2 ON (x=b)" {One one Four four}

  4.1 "SELECT DISTINCT x FROM h2" {One Two Three Four}
  4.2 "SELECT DISTINCT x FROM h1, h2 ON (x=b)" {One Four}
}

# EVIDENCE-OF: R-02054-15343 For the purposes of detecting duplicate
# rows, two NULL values are considered to be equal.
#
# do_select_tests e_select-5.5 {
  1  "SELECT DISTINCT d FROM h3" {{} 2 2,3 2,4 3}
#}

# EVIDENCE-OF: R-58359-52112 The normal rules for selecting a collation
# sequence to compare text values with apply.
#
# do_select_tests e_select-5.6 {
  1  "SELECT DISTINCT b FROM h1" {one I i four IV iv}
  2  "SELECT DISTINCT b COLLATE nocase FROM h1" {one I four IV}
  3  "SELECT DISTINCT x FROM h2" {One Two Three Four}
  4  "SELECT DISTINCT x COLLATE binary FROM h2" {
        One Two Three Four one two three four
    }
#}

# The following tests - e_select-7.* - test that statements made to do
# with compound SELECT statements are correct.
#
# EVIDENCE-OF: R-39368-64333 In a compound SELECT, all the constituent
# SELECTs must return the same number of result columns.
#
# The other tests in this section use compound SELECTs created
# using component SELECTs that do return the same number of columns.
# So the tests here just show that it is an error to attempt otherwise.
#
# drop_all_tables
do_execsql_test e_select-7.1.0 {
  CREATE TABLE j1(a, b, c);
  CREATE TABLE j2(e, f);
  CREATE TABLE j3(g);
} {}
do_select_tests e_select-7.1 -error {
SELECTs to the left and right of %s do not have the same number of result columns
} {
  1 "SELECT a, b FROM j1 UNION ALL SELECT g FROM j3" {{UNION ALL}}
  2 "SELECT * FROM j1 UNION ALL SELECT * FROM j3" {{UNION ALL}}
  3 "SELECT a, b FROM j1 UNION ALL SELECT g FROM j3" {{UNION ALL}}
  4 "SELECT a, b FROM j1 UNION ALL SELECT * FROM j3,j2" {{UNION ALL}}
  5 "SELECT * FROM j3,j2 UNION ALL SELECT a, b FROM j1" {{UNION ALL}}
  6 "SELECT a, b FROM j1 UNION SELECT g FROM j3" {UNION}
  7 "SELECT * FROM j1 UNION SELECT * FROM j3" {UNION}
  8 "SELECT a, b FROM j1 UNION SELECT g FROM j3" {UNION}
  9 "SELECT a, b FROM j1 UNION SELECT * FROM j3,j2" {INTERSECT}
 10 "SELECT * FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 11 "SELECT a, b FROM j1 INTERSECT SELECT g FROM j3" {INTERSECT}
 12 "SELECT * FROM j1 INTERSECT SELECT * FROM j3" {INTERSECT}
 13 "SELECT a, b FROM j1 INTERSECT SELECT g FROM j3" {INTERSECT}
 14 "SELECT a, b FROM j1 INTERSECT SELECT * FROM j3,j2" {INTERSECT}
 15 "SELECT * FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 16 "SELECT a, b FROM j1 EXCEPT SELECT g FROM j3" {EXCEPT}
 17 "SELECT * FROM j1 EXCEPT SELECT * FROM j3" {EXCEPT}
 18 "SELECT a, b FROM j1 EXCEPT SELECT g FROM j3" {EXCEPT}
 19 "SELECT a, b FROM j1 EXCEPT SELECT * FROM j3,j2" {EXCEPT}
 20 "SELECT * FROM j3,j2 EXCEPT SELECT a, b FROM j1" {EXCEPT}
}

# EVIDENCE-OF: R-01450-11152 As the components of a compound SELECT must
# be simple SELECT statements, they may not contain ORDER BY or LIMIT
# clauses.
#
foreach {tn select op1 op2} {
  1 "SELECT * FROM j1 ORDER BY a UNION ALL SELECT * FROM j2,j3"
     {ORDER BY} {UNION ALL}
  2 "SELECT count(*) FROM j1 ORDER BY 1 UNION ALL SELECT max(e) FROM j2"
     {ORDER BY} {UNION ALL}
  3 "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION ALL SELECT *,* FROM j2"
     {ORDER BY} {UNION ALL}
  4 "SELECT * FROM j1 LIMIT 10 UNION ALL SELECT * FROM j2,j3"
     LIMIT {UNION ALL}
  5 "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION ALL SELECT * FROM j2,j3"
     LIMIT {UNION ALL}
  6 "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION ALL SELECT g FROM j2,j3"
     LIMIT {UNION ALL}
  7 "SELECT * FROM j1 ORDER BY a UNION SELECT * FROM j2,j3"
     {ORDER BY} {UNION}
8  "SELECT count(*) FROM j1 ORDER BY 1 UNION SELECT max(e) FROM j2"  
   {ORDER BY} {UNION}
9  "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION SELECT *,* FROM j2"  
   {ORDER BY} {UNION}
10 "SELECT * FROM j1 LIMIT 10 UNION SELECT * FROM j2,j3"  
    LIMIT {UNION}
11 "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION SELECT * FROM j2,j3"  
    LIMIT {UNION}
12 "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION SELECT g FROM j2,j3"  
    LIMIT {UNION}
13 "SELECT * FROM j1 ORDER BY a EXCEPT SELECT * FROM j2,j3"  
    {ORDER BY} {EXCEPT}
14 "SELECT count(*) FROM j1 ORDER BY 1 EXCEPT SELECT max(e) FROM j2"  
    {ORDER BY} {EXCEPT}
15 "SELECT count(*), * FROM j1 ORDER BY 1,2,3 EXCEPT SELECT *,* FROM j2"  
    {ORDER BY} {EXCEPT}
16 "SELECT * FROM j1 LIMIT 10 EXCEPT SELECT * FROM j2,j3"  
    LIMIT {EXCEPT}
17 "SELECT * FROM j1 LIMIT 10 OFFSET 5 EXCEPT SELECT * FROM j2,j3"  
    LIMIT {EXCEPT}
18 "SELECT a FROM j1 LIMIT (SELECT e FROM j2) EXCEPT SELECT g FROM j2,j3"  
    LIMIT {EXCEPT}
19 "SELECT * FROM j1 ORDER BY a INTERSECT SELECT * FROM j2,j3"  
    {ORDER BY} {INTERSECT}
20 "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"  
    {ORDER BY} {INTERSECT}
21 "SELECT count(*), * FROM j1 ORDER BY 1,2,3 INTERSECT SELECT *,* FROM j2"  
    {ORDER BY} {INTERSECT}
22 "SELECT * FROM j1 LIMIT 10 INTERSECT SELECT * FROM j2,j3"  
    LIMIT {INTERSECT}
23 "SELECT * FROM j1 LIMIT 10 OFFSET 5 INTERSECT SELECT * FROM j2,j3"  
    LIMIT {INTERSECT}
24 "SELECT a FROM j1 LIMIT (SELECT e FROM j2) INTERSECT SELECT g FROM j2,j3"  
    LIMIT {INTERSECT}
}

set err "$op1 clause should come after $op2 not before"
do_catchsql_test e_select-7.2.$tn $select [list 1 $err]

# EVIDENCE-OF: R-22874-32655 ORDER BY and LIMIT clauses may only occur
# at the end of the entire compound SELECT.
#
foreach {tn select} {
  1 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 ORDER BY a"
  2 "SELECT count(*) FROM j1 UNION ALL SELECT max(e) FROM j2 ORDER BY 1"
  3 "SELECT count(*), * FROM j1 UNION ALL SELECT *,* FROM j2 ORDER BY 1,2,3"

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4 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10"
5 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
6 "SELECT a FROM j1 UNION ALL SELECT g FROM j2,j3 LIMIT (SELECT 10)"

7 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 ORDER BY a"
8 "SELECT count(*) FROM j1 UNION SELECT max(e) FROM j2 ORDER BY 1"
9 "SELECT count(*), * FROM j1 UNION SELECT *,* FROM j2 ORDER BY 1,2,3"
10 "SELECT a FROM j1 UNION SELECT g FROM j2,j3 LIMIT (SELECT 10)"
11 "SELECT a FROM j1 UNION SELECT g FROM j2,j3 LIMIT (SELECT 10)"
12 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 LIMIT 10"
13 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
14 "SELECT a FROM j1 UNION SELECT g FROM j2,j3 LIMIT (SELECT 10)"
15 "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 ORDER BY a"
16 "SELECT count(*) FROM j1 INTERSECT SELECT max(e) FROM j2 ORDER BY 1"
17 "SELECT count(*), * FROM j1 INTERSECT SELECT *,* FROM j2 ORDER BY 1,2,3"
18 "SELECT a FROM j1 INTERSECT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
19 "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 ORDER BY a"
20 "SELECT count(*) FROM j1 EXCEPT SELECT max(e) FROM j2 ORDER BY 1"
21 "SELECT count(*), * FROM j1 EXCEPT SELECT *,* FROM j2 ORDER BY 1,2,3"
22 "SELECT a FROM j1 EXCEPT SELECT g FROM j2,j3 LIMIT (SELECT 10)"

# EVIDENCE-OF: R-08531-36543 A compound SELECT created using UNION ALL
# operator returns all the rows from the SELECT to the left of the UNION
# ALL operator, and all the rows from the SELECT to the right of it.
# drop_all_tables
do_execsql_test e_select-7.4.0 {
  CREATE TABLE q1(a TEXT, b INTEGER, c);
  CREATE TABLE q2(d NUMBER, e BLOB);
  CREATE TABLE q3(f REAL, g);

  INSERT INTO q1 VALUES(16, -87.66, NULL);
  INSERT INTO q1 VALUES('legible', 94, -42.47);
  INSERT INTO q1 VALUES('beauty', 36, NULL);
  INSERT INTO q2 VALUES('legible', 1);
  INSERT INTO q2 VALUES('beauty', 2);
  INSERT INTO q2 VALUES(-65.91, 4);
  INSERT INTO q2 VALUES('emanating', -16.56);
  INSERT INTO q3 VALUES('beauty', 2);
}
INSERT INTO q3 VALUES('beauty', 2);
} {}

do_select_tests e_select-7.4 {
1 {SELECT a FROM q1 UNION ALL SELECT d FROM q2}
   {16 legible beauty legible beauty -65.91 emanating}

2 {SELECT * FROM q1 WHERE a=16 UNION ALL SELECT 'x', * FROM q2 WHERE oid=1}
   {16 -87.66 {} x legible 1}

3 {SELECT count(*) FROM q1 UNION ALL SELECT min(e) FROM q2}
   {3 -16.56}

4 {SELECT * FROM q2 UNION ALL SELECT * FROM q3}
   {legible 1 beauty 2 -65.91 4 emanating -16.56 beauty 2 beauty 2}
}

# EVIDENCE-OF: R-20560-39162 The UNION operator works the same way as
# UNION ALL, except that duplicate rows are removed from the final
# result set.
#

do_select_tests e_select-7.5 {
1 {SELECT a FROM q1 UNION SELECT d FROM q2}
   {-65.91 16 beauty emanating legible}

2 {SELECT * FROM q1 WHERE a=16 UNION SELECT 'x', * FROM q2 WHERE oid=1}
   {16 -87.66 {} x legible 1}

3 {SELECT count(*) FROM q1 UNION SELECT min(e) FROM q2}
   {-16.56 3}

4 {SELECT * FROM q2 UNION SELECT * FROM q3}
   {-65.91 4 beauty 2 emanating -16.56 legible 1}
}

# EVIDENCE-OF: R-45764-31737 The INTERSECT operator returns the
# intersection of the results of the left and right SELECTs.
#

do_select_tests e_select-7.6 {
1 {SELECT a FROM q1 INTERSECT SELECT d FROM q2} {beauty legible}
2 {SELECT * FROM q2 INTERSECT SELECT * FROM q3} {beauty 2}
}

# EVIDENCE-OF: R-25787-28949 The EXCEPT operator returns the subset of
# rows returned by the left SELECT that are not also returned by the
# right-hand SELECT.
#

do_select_tests e_select-7.7 {
1 {SELECT a FROM q1 EXCEPT SELECT d FROM q2} {16}
2   {SELECT * FROM q2 EXCEPT SELECT * FROM q3}  
    {-65.91 4 emanating -16.56 legible 1}
}

# EVIDENCE-OF: R-40729-56447 Duplicate rows are removed from the results
# of INTERSECT and EXCEPT operators before the result set is returned.
#
# EVIDENCE-OF: R-46765-43362 For the purposes of determining duplicate
# rows for the results of compound SELECT operators, NULL values are
# considered equal to other NULL values and distinct from all non-NULL
# values.
#
# EVIDENCE-OF: R-51232-50224 The collation sequence used to compare two
# text values is determined as if the columns of the left and right-hand
# SELECT statements were the left and right-hand operands of the equals
# (=) operator, except that greater precedence is not assigned to a

# collation sequence specified with the postfix COLLATE operator.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
    CREATE TABLE y1(a COLLATE nocase, b COLLATE binary, c);
    INSERT INTO y1 VALUES('Abc', 'abc', 'aBC');
} {}
do_select_tests e_select-7.10 {
    1  {SELECT 'abc' UNION SELECT 'ABC'} {ABC abc}
    2  {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC'} {ABC}
    3  {SELECT 'abc' UNION SELECT 'ABC' COLLATE nocase} {ABC}
    4  {SELECT 'abc' COLLATE binary UNION SELECT 'ABC' COLLATE nocase} {ABC abc}
    5  {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC' COLLATE binary} {ABC}
    6  {SELECT a FROM y1 UNION SELECT b FROM y1}                {abc}
    7  {SELECT a FROM y1 UNION SELECT b FROM y1}                {Abc abc}
    8  {SELECT a FROM y1 UNION SELECT c FROM y1}                {aBC}
    9  {SELECT a FROM y1 UNION SELECT c COLLATE binary FROM y1} {aBC}
}

# EVIDENCE-OF: R-32706-07403 No affinity transformations are applied to
# any values when comparing rows as part of a compound SELECT.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
    CREATE TABLE w1(a TEXT, b NUMBER);
    CREATE TABLE w2(a, b TEXT);
    INSERT INTO w1 VALUES('1', 4.1);
    INSERT INTO w2 VALUES(1, 4.1);
} {}
do_select_tests e_select-7.11 {
    1  { SELECT a FROM w1 UNION SELECT a FROM w2 } {1 1}
    2  { SELECT a FROM w2 UNION SELECT a FROM w1 } {1 1}
    3  { SELECT b FROM w1 UNION SELECT b FROM w2 } {4.1 4.1}
    4  { SELECT b FROM w2 UNION SELECT b FROM w1 } {4.1 4.1}
    5  { SELECT a FROM w1 INTERSECT SELECT a FROM w2 } {}
    6  { SELECT a FROM w2 INTERSECT SELECT a FROM w1 } {}
    7  { SELECT b FROM w1 INTERSECT SELECT b FROM w2 } {}
    8  { SELECT b FROM w2 INTERSECT SELECT b FROM w1 } {}
    9  { SELECT a FROM w1 EXCEPT SELECT a FROM w2 } {1}
    10 { SELECT a FROM w2 EXCEPT SELECT a FROM w1 } {1}
    11 { SELECT b FROM w1 EXCEPT SELECT b FROM w2 } {4.1}
    12 { SELECT b FROM w2 EXCEPT SELECT b FROM w1 } {4.1}

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When three or more simple SELECTs are connected into a compound SELECT, they group from left to right. In other words, if "A", "B" and "C" are all simple SELECT statements, (A op B op C) is processed as ((A op B) op C).

# e_select-7.12.1: Precedence of UNION vs. INTERSECT
# e_select-7.12.2: Precedence of UNION vs. UNION ALL
# e_select-7.12.3: Precedence of UNION vs. EXCEPT
# e_select-7.12.4: Precedence of INTERSECT vs. UNION ALL
# e_select-7.12.5: Precedence of INTERSECT vs. EXCEPT
# e_select-7.12.6: Precedence of UNION ALL vs. EXCEPT
# e_select-7.12.7: Check that "a EXCEPT b EXCEPT c" is processed as "(a EXCEPT b) EXCEPT c".

The INTERSECT and EXCEPT operations are mutually commutative. So the e_select-7.12.5 test cases do not prove very much.

drop_all_tables

do_execsql_test e_select-7.12.0 {
  CREATE TABLE t1(x);
  INSERT INTO t1 VALUES(1);
  INSERT INTO t1 VALUES(2);
  INSERT INTO t1 VALUES(3);
}

foreach {tn select res} {
  1a "((1,2) INTERSECT (1) UNION (3))" {1 3}
  1b "((3) UNION (1,2) INTERSECT (1))" {1}

  2a "((1,2) UNION (3) UNION ALL (1))" {1 2 3 1}
  2b "((1) UNION ALL (3) UNION (1,2))" {1 2 3}

  3a "((1,2) UNION (3) EXCEPT (1))" {2 3}
  3b "((1,2) EXCEPT (3) UNION (1))" {1 2}

  4a "((1,2) INTERSECT (1) UNION ALL (3))" {1 3}
  4b "((3) UNION (1,2) INTERSECT (1))" {1}

  5a "((1,2) INTERSECT (2) EXCEPT (2))" {}
  5b "((2,3) EXCEPT (2) INTERSECT (2))" {}

  6a "((2) UNION ALL (2) EXCEPT (2))" {}
  6b "((2) EXCEPT (2) UNION ALL (2))" {2}

  7 "((2,3) EXCEPT (2) EXCEPT (3))" {}
}
set select [string map {{SELECT x FROM t1 WHERE x IN (}} $select]
do_execsql_test e_select-7.12.$tn $select [list {*}$res]
}

# EVIDENCE-OF: R-44988-41064 Rows are first sorted based on the results
# of evaluating the left-most expression in the ORDER BY list, then ties
# are broken by evaluating the second left-most expression and so on.
#
do_select_tests e_select-8.1 {

# EVIDENCE-OF: R-06617-54588 Each ORDER BY expression may be optionally
# followed by one of the keywords ASC (smaller values are returned

# first) or DESC (larger values are returned first).

# Test cases e_select-8.2.* test the above.

# EVIDENCE-OF: R-18705-33393 If neither ASC or DESC are specified, rows
# are sorted in ascending (smaller values first) order by default.

# Test cases e_select-8.3.* test the above. All 8.3 test cases are copies of 8.2 test cases with the explicit "ASC" removed.

# do_select_tests e_select-8 {
2.1 "SELECT * FROM d1 ORDER BY x ASC, y ASC, z ASC" {
   1 2 -20 1 2 3 1 2 7 1 2 8
   1 4 93 1 5 -1 2 4 93 2 5 -1
}
2.2 "SELECT * FROM d1 ORDER BY x DESC, y DESC, z DESC" {
   2 5 -1 2 4 93 1 5 -1 1 4 93
   1 2 8 1 2 7 1 2 3 1 2 -20
}
2.3 "SELECT * FROM d1 ORDER BY x DESC, y ASC, z DESC" {
   2 4 93 2 5 -1 1 2 8 1 2 7
   1 2 3 1 2 -20 1 4 93 1 5 -1
}
2.4 "SELECT * FROM d1 ORDER BY x DESC, y ASC, z ASC" {
   2 4 93 2 5 -1 1 2 -20 1 2 3
   1 2 7 1 2 8 1 4 93 1 5 -1
}
3.1 "SELECT * FROM d1 ORDER BY x, y, z" {
   1 2 -20 1 2 3 1 2 7 1 2 8
   1 4 93 1 5 -1 2 4 93 2 5 -1
}
3.3 "SELECT * FROM d1 ORDER BY x DESC, y, z DESC" {
   2 4 93 2 5 -1 1 2 8 1 2 7
   1 2 3 1 2 -20 1 4 93 1 5 -1
}
3.4 "SELECT * FROM d1 ORDER BY x DESC, y, z" {
   2 4 93 2 5 -1 1 2 -20 1 2 3
   1 2 7 1 2 8 1 4 93 1 5 -1
}
}

# EVIDENCE-OF: R-29779-04281 If the ORDER BY expression is a constant
# integer K then the expression is considered an alias for the K-th
# column of the result set (columns are numbered from left to right
# starting with 1).

# do_select_tests e_select-8.4 {
1 "SELECT * FROM d1 ORDER BY 1 ASC, 2 ASC, 3 ASC" {
    1 2 -20 1 2 3 1 2 7 1 2 8
    1 4 93 1 5 -1 2 4 93 2 5 -1
}
2 "SELECT * FROM d1 ORDER BY 1 DESC, 2 DESC, 3 DESC" {
    2 5 -1 2 4 93 1 5 -1 1 4 93
    1 2 8 1 2 7 1 2 3 1 2 -20
}
3 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 DESC" {
    2 4 93 2 5 -1 1 2 8 1 2 7
    1 2 3 1 2 -20 1 4 93 1 5 -1
}
4 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 ASC" {
    2 4 93 2 5 -1 1 2 -20 1 2 3
    1 2 7 1 2 8 1 4 93 1 5 -1
}
5 "SELECT * FROM d1 ORDER BY 1, 2, 3" {
    1 2 -20 1 2 3 1 2 7 1 2 8
    1 4 93 1 5 -1 2 4 93 2 5 -1
}
6 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3 DESC" {
    2 4 93 2 5 -1 1 2 8 1 2 7
    1 2 3 1 2 -20 1 4 93 1 5 -1
}
7 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3" {
    2 4 93 2 5 -1 1 2-20 1 2 3
    1 2 7 1 2 8 1 4 93 1 5 -1
}
8 "SELECT z, x FROM d1 ORDER BY 2" {
    / # 1 # 1 # 1 # 1
    # 1 # 1 # 2 # 2/
}
9 "SELECT z, x FROM d1 ORDER BY 1" {
    /-20 1 -1 # -1 # 3 1
    7 1 8 1 93 # 93 #/
}

# EVIDENCE-OF: R-63286-51977 If the ORDER BY expression is an identifier
# that corresponds to the alias of one of the output columns, then the
# expression is considered an alias for that column.
#
do_select_tests e_select-8.5 {
    1 "SELECT z+1 AS abc FROM d1 ORDER BY abc" {
        -19 0 0 4 8 9 94 94
    }
    2 "SELECT z+1 AS abc FROM d1 ORDER BY abc DESC" {
        94 94 9 8 4 0 0 -19
    }
}
3 "SELECT z AS x, x AS z FROM d1 ORDER BY z" {
   /# 1  #1  #1  #1  #1  #1  #2  #2/
}
4 "SELECT z AS x, x AS z FROM d1 ORDER BY x" {
   /-20 1  -1  #  -1  #  3 1  7 1  8 1  93 #  93 #/
}

# EVIDENCE-OF: R-65068-27207 Otherwise, if the ORDER BY expression is
# any other expression, it is evaluated and the returned value used to
# order the output rows.
#
# EVIDENCE-OF: R-03421-57988 If the SELECT statement is a simple SELECT,
# then an ORDER BY may contain any arbitrary expressions.
#
do_select_tests e_select-8.6 {
  1  "SELECT * FROM d1 ORDER BY x+y+z" {
      1  2  -20  1  5  -1  1  2 3  2 5  -1  
      1  2 7  1  2 8  1  4 93  2 4 93 
  }
  2  "SELECT * FROM d1 ORDER BY x*z" {
      1  2  -20  2  5  -1  1  5  -1  1  2 3  
      1  2 7  1  2 8  1  4 93  2 4 93 
  }
  3  "SELECT * FROM d1 ORDER BY y*z" {
      1  2  -20  2  5  -1  1  5  -1  1  2 3  
      1  2 7  1  2 8  2  4 93  1 4 93 
  }
}

# EVIDENCE-OF: R-28853-08147 However, if the SELECT is a compound
# SELECT, then ORDER BY expressions that are not aliases to output
# columns must be exactly the same as an expression used as an output
# column.
#
do_select_tests e_select-8.7.1 -error {
  %s ORDER BY term does not match any column in the result set
} {
  1  "SELECT x FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z"  1st
  2  "SELECT x,z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" 2nd
} do_select_tests e_select-8.7.2 {
  1  "SELECT x*z FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z" {
      -20  2  -1  3 7 8 93 186 babied barked commercials gently
      iterate lad pragmatist reemphasizes rejoicing solemnness
   }

"SELECT x, x/z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" 

1 -1 0 1 0 1 0 1 0 2 -2 0
babied charitableness barked interrupted commercials bathrobe gently
failings iterate sexton lad relenting pragmatist guarded reemphasizes reply
rejoicing liabilities solemnness annexed

CREATE TABLE d3(a);
INSERT INTO d3 VALUES('text');
INSERT INTO d3 VALUES(14.1);
INSERT INTO d3 VALUES(13);
INSERT INTO d3 VALUES(X'78787878');
INSERT INTO d3 VALUES(15);
INSERT INTO d3 VALUES(12.9);
INSERT INTO d3 VALUES(null);

CREATE TABLE d4(x COLLATE nocase);
INSERT INTO d4 VALUES('abc');
INSERT INTO d4 VALUES('ghi');
INSERT INTO d4 VALUES('DEF');
INSERT INTO d4 VALUES('JKL');

CREATE TABLE d3(a);
INSERT INTO d3 VALUES('text');
INSERT INTO d3 VALUES(14.1);
INSERT INTO d3 VALUES(13);
INSERT INTO d3 VALUES(X'78787878');
INSERT INTO d3 VALUES(15);
INSERT INTO d3 VALUES(12.9);
INSERT INTO d3 VALUES(null);

CREATE TABLE d4(x COLLATE nocase);
INSERT INTO d4 VALUES('abc');
INSERT INTO d4 VALUES('ghi');
INSERT INTO d4 VALUES('DEF');
INSERT INTO d4 VALUES('JKL');

# EVIDENCE-OF: R-10883-17697 For the purposes of sorting rows, values
# are compared in the same way as for comparison expressions.
#
# The following tests verify that values of different types are sorted
# correctly, and that mixed real and integer values are compared properly.
#
# do_execsql_test e_select-8.8.0 {
#  SELECT a FROM d3 ORDER BY a
#  } {12.9 13 14.1 15 text xxxx}
# do_execsql_test e_select-8.8.1 {
#  SELECT x FROM d4 ORDER BY 1 COLLATE binary
#  } {DEF JKL abc ghi}
# do_execsql_test e_select-8.8.2 {
#  SELECT x COLLATE binary FROM d4 ORDER BY 1 COLLATE nocase
# EVIDENCE-OF: R-09398-26102 Otherwise, if the ORDER BY expression is not an alias to an expression that has been assigned a collation sequence using the postfix COLLATE operator, then the collation sequence assigned to the aliased expression is used.

# In the test 8.10.2, the only result-column expression has no alias. So the ORDER BY expression is not a reference to it and therefore does not inherit the collation sequence. In test 8.10.3, "x" is the alias (as well as the column name), so the ORDER BY expression is interpreted as an alias and the collation sequence attached to the result column is used for sorting.

```
do_execsql_test e_select-8.10.1 {
  SELECT x COLLATE binary FROM d4 ORDER BY 1
} {DEF JKL abc ghi}
do_execsql_test e_select-8.10.2 {
  SELECT x COLLATE binary FROM d4 ORDER BY x
} {abc DEF ghi JKL}
do_execsql_test e_select-8.10.3 {
  SELECT x COLLATE binary AS x FROM d4 ORDER BY x
} {DEF JKL abc ghi}
```

# EVIDENCE-OF: R-27301-09658 Otherwise, if the ORDER BY expression is a column or an alias of an expression that is a column, then the default collation sequence for the column is used.

```
do_execsql_test e_select-8.11.1 {
  SELECT x AS y FROM d4 ORDER BY y
} {abc DEF ghi JKL}
do_execsql_test e_select-8.11.2 {
  SELECT x||'' FROM d4 ORDER BY x
} {abc DEF ghi JKL}
```

# EVIDENCE-OF: R-49925-55905 Otherwise, the BINARY collation sequence is used.

```
do_execsql_test e_select-8.12.1 {
  SELECT x FROM d4 ORDER BY x||''
} {DEF JKL abc ghi}
```

# EVIDENCE-OF: R-44130-32593 If an ORDER BY expression is not an integer alias, then SQLite searches the left-most SELECT in the compound for a result column that matches either the second or third rules above. If a match is found, the search stops and the expression is handled as an alias for the result column that it has been matched against. Otherwise, the next SELECT to the right is tried, and so on.

#
do_execsql_test e_select-8.13.0 {
CREATE TABLE d5(a, b);
CREATE TABLE d6(c, d);
CREATE TABLE d7(e, f);

INSERT INTO d5 VALUES(1, 'f');
INSERT INTO d6 VALUES(2, 'e');
INSERT INTO d7 VALUES(3, 'd');
INSERT INTO d5 VALUES(4, 'c');
INSERT INTO d6 VALUES(5, 'b');
INSERT INTO d7 VALUES(6, 'a');

CREATE TABLE d8(x COLLATE nocase);
CREATE TABLE d9(y COLLATE nocase);

INSERT INTO d8 VALUES('a');
INSERT INTO d9 VALUES('B');
INSERT INTO d8 VALUES('c');
INSERT INTO d9 VALUES('D');
}
}
do_select_tests e_select-8.13 {
1  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
   ORDER BY a
  } {1 2 3 4 5 6}
2  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
   ORDER BY c
  } {1 2 3 4 5 6}
3  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
   ORDER BY e
  } {1 2 3 4 5 6}
4  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
   ORDER BY 1
  } {1 2 3 4 5 6}

5  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY b }
   {f 1 c 4 4 c 1 f}
6  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 2 }
   {f 1 c 4 4 c 1 f}

7  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY a }
   {1 f 4 c 4 c 1 f}
8  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 1 }
   {1 f 4 c 4 c 1 f}

9  { SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1 }
   {f 2 c 5 4 c 1 f}
10 { SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 2 }
   {f 2 c 5 4 c 1 f}
11 { SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1 }
    {2 f 5 c 5 f 2}
12 { SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 1 }
    {2 f 5 c 5 f 2}
}

# EVIDENCE-OF: R-39265-04070 If no matching expression can be found in
# the result columns of any constituent SELECT, it is an error.
#
do_select_tests e_select-8.14-error {
%$ ORDER BY term does not match any column in the result set
} {
1 { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a+1 }          1st
2 { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a, a+1 }       2nd
3 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY 'hello' }  1st
4 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY 'hello' }  1st
5 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY c,d,c+d }  3rd
6 { SELECT * FROM d5 EXCEPT SELECT * FROM d7 ORDER BY 1,2,a/b }      4th
}

# EVIDENCE-OF: R-03407-11483 Each term of the ORDER BY clause is
# processed separately and may be matched against result columns from
# different SELECT statements in the compound.
#
do_select_tests e_select-8.15 {
1 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY a, d }
    {1 e 1 f 4 b 4 c}
2 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY c-1, b }
    {1 e 1 f 4 b 4 c}
3 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY 1, 2 }
    {1 e 1 f 4 b 4 c}
}

# Tests related to statements made about the LIMIT/OFFSET clause.
#
do_execsql_test e_select-9.0 {
CREATE TABLE f1(a, b);
INSERT INTO f1 VALUES(26, 'z');
INSERT INTO f1 VALUES(25, 'y');
INSERT INTO f1 VALUES(24, 'x');
INSERT INTO f1 VALUES(23, 'w');
INSERT INTO f1 VALUES(22, 'v');
INSERT INTO f1 VALUES(21, 'u');
INSERT INTO f1 VALUES(20, 't');
INSERT INTO f1 VALUES(19, 's');
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INSERT INTO f1 VALUES(18, 'y');
INSERT INTO f1 VALUES(17, 'q');
INSERT INTO f1 VALUES(16, 'p');
INSERT INTO f1 VALUES(15, 'o');
INSERT INTO f1 VALUES(14, 'n');
INSERT INTO f1 VALUES(13, 'm');
INSERT INTO f1 VALUES(12, 'l');
INSERT INTO f1 VALUES(11, 'k');
INSERT INTO f1 VALUES(10, 'j');
INSERT INTO f1 VALUES(9, 'i');
INSERT INTO f1 VALUES(8, 'h');
INSERT INTO f1 VALUES(7, 'g');
INSERT INTO f1 VALUES(6, 'f');
INSERT INTO f1 VALUES(5, 'e');
INSERT INTO f1 VALUES(4, 'd');
INSERT INTO f1 VALUES(3, 'c');
INSERT INTO f1 VALUES(2, 'b');
INSERT INTO f1 VALUES(1, 'a');

} {}

# EVIDENCE-OF: R-30481-56627 Any scalar expression may be used in the
# LIMIT clause, so long as it evaluates to an integer or a value that
# can be losslessly converted to an integer.
#
# do_select_tests e_select-9.1 {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 5 } { a b c d e }
  2  { SELECT b FROM f1 ORDER BY a LIMIT 2+3 } { a b c d e }
  3  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b = 'c') }
      { a b c d e }
  4  { SELECT b FROM f1 ORDER BY a LIMIT 5.0 } { a b c d e }
  5  { SELECT b FROM f1 ORDER BY a LIMIT '5' } { a b c d e }
} {}

# EVIDENCE-OF: R-46155-47219 If the expression evaluates to a NULL value
# or any other value that cannot be losslessly converted to an integer,
# an error is returned.
#
# do_select_tests e_select-9.2 -error "datatype mismatch" {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 'hello' } {}
  2  { SELECT b FROM f1 ORDER BY a LIMIT NULL } {}
  3  { SELECT b FROM f1 ORDER BY a LIMIT 'X' "ABCD" } {}
  4  { SELECT b FROM f1 ORDER BY a LIMIT 5.1 } {}
  5  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT group_concat(b) FROM f1) } {}
} {}

# EVIDENCE-OF: R-03014-26414 If the LIMIT expression evaluates to a
# negative value, then there is no upper bound on the number of rows
do_select_tests e_select-9.4 {
    1 { SELECT b FROM f1 ORDER BY a LIMIT -1 }
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
    2 { SELECT b FROM f1 ORDER BY a LIMIT length('abc')-100 }
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
    3 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT count(*) FROM f1)/2 - 14 }
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
}

# EVIDENCE-OF: R-33750-29536 Otherwise, the SELECT returns the first N rows of its result set only, where N is the value that the LIMIT expression evaluates to.

# EVIDENCE-OF: R-54935-19057 Or, if the SELECT statement would return less than N rows without a LIMIT clause, then the entire result set is returned.

do_select_tests e_select-9.5 {
    1 { SELECT b FROM f1 ORDER BY a LIMIT 0 } {}
    2 { SELECT b FROM f1 ORDER BY a DESC LIMIT 4 } {z y x w}
    3 { SELECT b FROM f1 ORDER BY a DESC LIMIT 8 } {z y x w v u t s}
    4 { SELECT b FROM f1 ORDER BY a DESC LIMIT '12.0' } {z y x w v u t s r q p o}
}

# EVIDENCE-OF: R-24188-24349 The expression attached to the optional OFFSET clause that may follow a LIMIT clause must also evaluate to an integer, or a value that can be losslessly converted to an integer.

foreach {tn select} {
    1 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 'hello' }
    2 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET NULL }
    3 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET X'ABCD' }
    4 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 5.1 }
    5 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET (SELECT group_concat(b) FROM f1) }
}

do_catchsql_test e_select-9.7.$tn $select {1 {datatype mismatch}}
If an expression has an OFFSET clause, then the first M rows are omitted from the result set returned by the SELECT statement and the next N rows are returned, where M and N are the values that the OFFSET and LIMIT clauses evaluate to, respectively.

```
do_select_tests e_select-9.8 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 5 } {f g h i j k l m n o}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 2+3 OFFSET 10 } {k l m n o}
  3 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b='j')
      OFFSET (SELECT a FROM f1 WHERE b='b')
    } {c d e f g h i j k l}
  4 { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 3.0 } {d e f g h}
  5 { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 0 } {a b c d e}
  6 { SELECT b FROM f1 ORDER BY a LIMIT 0 OFFSET 10 } {}
  7 { SELECT b FROM f1 ORDER BY a LIMIT 3 OFFSET '1'||'5' } {p q r}
}
```

Or, if the SELECT would return less than M+N rows if it did not have a LIMIT clause, then the first M rows are skipped and the remaining rows (if any) are returned.

```
do_select_tests e_select-9.9 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 20 } {u v w x y z}
  2 { SELECT a FROM f1 ORDER BY a DESC LIMIT 100 OFFSET 18+4 } {4 3 2 1}
}
```

If the OFFSET clause evaluates to a negative value, the results are the same as if it had evaluated to zero.

```
do_select_tests e_select-9.10 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -1 } {a b c d e}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -500 } {a b c d e}
  3 { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET 0 } {a b c d e}
}
```

Instead of a separate OFFSET clause, the LIMIT clause may specify two scalar expressions separated by a comma.

```
do_select_tests e_select-9.11 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 5, 10 } {f g h i j k l m n o}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 10, 2+3 } {k l m n o}
}
```
3  { SELECT b FROM f1 ORDER BY a
    LIMIT (SELECT a FROM f1 WHERE b='b'), (SELECT a FROM f1 WHERE b='j')
} {c d e f g b i j k l}
4  { SELECT b FROM f1 ORDER BY a LIMIT 3.0, '5' } {d e f g h}
5  { SELECT b FROM f1 ORDER BY a LIMIT 0, '5' } {a b c d e}
6  { SELECT b FROM f1 ORDER BY a LIMIT 10, 0 } {}
7  { SELECT b FROM f1 ORDER BY a LIMIT '1' || '5', 3 } {p q r}
8  { SELECT b FROM f1 ORDER BY a LIMIT 20, 10 } {u v w x y z}
9  { SELECT a FROM f1 ORDER BY a DESC LIMIT 18+4, 100 } {4 3 2 1}
10 { SELECT b FROM f1 ORDER BY a LIMIT -1, 5 } {a b c d e}
11 { SELECT b FROM f1 ORDER BY a LIMIT -500, 5 } {a b c d e}
12 { SELECT b FROM f1 ORDER BY a LIMIT 0, 5 } {a b c d e}
}

finish_test

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<p>SQLite itself is in the <a href="copyright.html">public domain</a> and can be used for any purpose. But TH3 is proprietary and requires a license.</p>

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# 2006 October 1
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module, and in particular
# the Porter stemmer.
##
# $Id: fts1porter.test,v 1.5 2006/10/03 19:37:37 drh Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
    finish_test
    return
}

# Test data for the Porter stemmer. The first word of each line
# is the input. The second word is the desired output.
#
# This test data is taken from http://www.tartarus.org/martin/PorterStemmer/
# There is no claim of copyright made on that page, but you should
# probably contact the author (Martin Porter - the inventor of the
# Porter Stemmer algorithm) if you want to use this test data in a
# commercial product of some kind. The stemmer code in FTS1 is a
# complete rewrite from scratch based on the algorithm specification
# and does not contain any code under copyright.
#
set porter_test_data {
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wrings      wring
wrinkle     wrinkl
wrinkled    wrinkl
wrinkles    wrinkl
wrist       wrist
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writ        write
writer      writer
writers     writer
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writhled    writhl
writing     write
writings    write
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written     written
wrong       wrong
wronged     wrong
wronger     wronger
wrongful    wrong
wrongfully  wrongfulli
wronging    wrong
wrongly     wrongli
wrongs      wrong
wronk       wronk
wrote       wrote
wroth       wroth
wrought     wrought
wrung        wrung
wry          wry
wrying      wry
wt           wt
wul          wul
wye          wye
x            x
xanthippe    xanthipp
xi           xi
xii          xii
xiii         xiii
xiv          xiv
xv           xv
# Create a full-text index to use for testing the stemmer.

```bash
#
db close
sqlite3 db :memory:
db eval {
    CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}
```

```bash
foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
    execsql {
        DELETE FROM t1_term;
        DELETE FROM t1_content;
        INSERT INTO t1(word) VALUES($pfrom);
        SELECT term FROM t1_term;
    }
}
}$pto
}
```

```bash
finish_test
```

Found in path(s):

No license file was found, but licenses were detected in source scan.

License: Public Domain

Found in path(s):
* `/opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-HmFjlFog/sqlite-spec`

No license file was found, but licenses were detected in source scan.

```
MMFauxFont.prc
```

Found in path(s):
* `%BeginFile`

No license file was found, but licenses were detected in source scan.

```html
public domain.
```

Found in path(s):

No license file was found, but licenses were detected in source scan.
Found in path(s):


No license file was found, but licenses were detected in source scan.

/*
 ** CAPI3REF: Configuration Options
 ** KEYWORDS: [configuration option]
 **
 ** These constants are the available integer configuration options that
 ** can be passed as the first argument to the [sqlite3_config()] interface.
 **
 ** New configuration options may be added in future releases of SQLite.
 ** Existing configuration options might be discontinued. Applications
 ** should check the return code from [sqlite3_config()] to make sure that
 ** the call worked. The [sqlite3_config()] interface will return a
 ** non-zero [error code] if a discontinued or unsupported configuration option
 ** is invoked.
 **
 ** <dl>
 **  [[SQLITE_CONFIG_SINGLETHREAD]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
 **  <dd>There are no arguments to this option.  ^This option sets the
 **   [threading mode] to Single-thread.  In other words, it disables
 **   all mutexting and puts SQLite into a mode where it can only be used
 **   by a single thread.  ^If SQLite is compiled with
 **   the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
 **   it is not possible to change the [threading mode] from its default
 **   value of Single-thread and so [sqlite3_config()] will return
 **   [SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD
 **   configuration option.</dd>
 **
 **  [[SQLITE_CONFIG_MULTITHREAD]] <dt>SQLITE_CONFIG_MULTITHREAD</dt>
 **  <dd>There are no arguments to this option.  ^This option sets the
 **   [threading mode] to Multi-thread.  In other words, it disables
 **   mutexing on [database connection] and [prepared statement] objects.
 **   The application is responsible for serializing access to
 **   [database connections] and [prepared statements]. But other mutexes
 **   are enabled so that SQLite will be safe to use in a multi-threaded
 **   environment as long as no two threads attempt to use the same
 **   [database connection] at the same time.  ^If SQLite is compiled with
 **   the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
 **   it is not possible to set the Multi-thread [threading mode] and
 **   [sqlite3_config()] will return [SQLITE_ERROR] if called with the
 **   SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
 */
** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</dt>**

** <dd>There are no arguments to this option. ^This option sets the**

** [threading mode] to Serialized. In other words, this option enables**

** all mutexes including the recursive**

** mutexes on [database connection] and [prepared statement] objects.**

** In this mode (which is the default when SQLite is compiled with**

** [SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access**

** to [database connections] and [prepared statements] so that the**

** application is free to use the same [database connection] or the**

** same [prepared statement] in different threads at the same time.**

** ^If SQLite is compiled with**

** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then**

** it is not possible to set the Serialized [threading mode] and**

** [sqlite3_config()] will return [SQLITE_ERROR] if called with the**

** SQLITE_CONFIG_SERIALIZED configuration option.</dd>**

**

** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>**

** <dd> ^(This option takes a single argument which is a pointer to an**

** instance of the [sqlite3_mem_methods] structure. The argument specifies**

** alternative low-level memory allocation routines to be used in place of**

** the memory allocation routines built into SQLite.)^ ^SQLite makes**

** its own private copy of the content of the [sqlite3_mem_methods] structure**

** before the [sqlite3_config()] call returns.</dd>**

**

** [[SQLITE_CONFIG_GET_MALLOC]] <dt>SQLITE_CONFIG_GET_MALLOC</dt>**

** <dd> ^(This option takes a single argument which is a pointer to an**

** instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods]**

** structure is filled with the currently defined memory allocation routines.)^**

** This option can be used to overload the default memory allocation**

** routines with a wrapper that simulates memory allocation failure or**

** tracks memory usage, for example. </dd>**

**

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>**

** <dd> ^This option takes single argument of type int, interpreted as a**

** boolean, which enables or disables the collection of memory allocation**

** statistics. ^(When memory allocation statistics are disabled, the**

** following SQLite interfaces become non-operational:**

** <ul>**

** <li> [sqlite3_memory_used()]**

** <li> [sqlite3_memory_highwater()]**

** <li> [sqlite3_soft_heap_limit64()]**

** <li> [sqlite3_status()]**

** </ul>)^**

** ^Memory allocation statistics are enabled by default unless SQLite is**

** compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory**

** allocation statistics are disabled by default.**

** </dd>
**[[SQLITE_CONFIG_SCRATCH]]** <dt>SQLITE_CONFIG_SCRATCH</dt>
**<dd>^This option specifies a static memory buffer that SQLite can use for scratch memory. There are three arguments: A pointer an 8-byte aligned memory buffer from which the scratch allocations will be drawn, the size of each scratch allocation (sz), and the maximum number of scratch allocations (N). The sz argument must be a multiple of 16.
** The first argument must be a pointer to an 8-byte aligned buffer of at least sz*N bytes of memory.
** ^SQLite will use no more than two scratch buffers per thread. So N should be set to twice the expected maximum number of threads.
** ^SQLite will never require a scratch buffer that is more than 6 times the database page size. ^If SQLite needs additional scratch memory beyond what is provided by this configuration option, then [sqlite3_malloc()] will be used to obtain the memory needed.</dd>
**

**[[SQLITE_CONFIG_PAGECACHE]]** <dt>SQLITE_CONFIG_PAGECACHE</dt>
**<dd>^This option specifies a static memory buffer that SQLite can use for the database page cache with the default page cache implementation. This configuration should not be used if an application-define page cache implementation is loaded using the SQLITE_CONFIG_PCACHE2 option. There are three arguments to this option: A pointer to 8-byte aligned memory, the size of each page buffer (sz), and the number of pages (N). The sz argument should be the size of the largest database page (a power of two between 512 and 32768) plus a little extra for each page header. ^The page header size is 20 to 40 bytes depending on the host architecture. ^It is harmless, apart from the wasted memory, to make sz a little too large. The first argument should point to an allocation of at least sz*N bytes of memory.
** ^SQLite will use the memory provided by the first argument to satisfy its memory needs for the first N pages that it adds to cache. ^If additional page cache memory is needed beyond what is provided by this option, then SQLite goes to [sqlite3_malloc()] for the additional storage space.
** The pointer in the first argument must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.</dd>
**

**[[SQLITE_CONFIG_HEAP]]** <dt>SQLITE_CONFIG_HEAP</dt>
**<dd>^This option specifies a static memory buffer that SQLite will use for all of its dynamic memory allocation needs beyond those provided by [SQLITE_CONFIG_SCRATCH] and [SQLITE_CONFIG_PAGECACHE]. There are three arguments: An 8-byte aligned pointer to the memory, the number of bytes in the memory buffer, and the minimum allocation size. ^If the first pointer (the memory pointer) is NULL, then SQLite reverts to using its default memory allocator (the system malloc() implementation), undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the memory pointer is not NULL and either [SQLITE_ENABLE_MEMSYS3] or
** [SQLITE_ENABLE_MEMSYS5] are defined, then the alternative memory
** allocator is engaged to handle all of SQLites memory allocation needs.
** The first pointer (the memory pointer) must be aligned to an 8-byte
** boundary or subsequent behavior of SQLite will be undefined.
** The minimum allocation size is capped at 2**12. Reasonable values
** for the minimum allocation size are 2**5 through 2**8.</dd>
**
** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The argument specifies
** alternative low-level mutex routines to be used in place
** the mutex routines built into SQLite.)^  ^SQLite makes a copy of the
** content of the [sqlite3_mutex_methods] structure before the call to
** [sqlite3_config()] returns. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**
** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^  
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example.  ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**
** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(This option takes two arguments that determine the default
** memory allocation for the lookaside memory allocator on each
** [database connection]. The first argument is the
** size of each lookaside buffer slot and the second is the number of
** slots allocated to each database connection.)^  ^(This option sets the
** <i>default</i> lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]
** verb to [sqlite3_db_config()] can be used to change the lookaside
** configuration on individual connections.)^  </dd>
**
** [[SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> ^(This option takes a single argument which is a pointer to
** an [sqlite3_pcachemethods2] object. This object specifies the interface
** to a custom page cache implementation.)^  ^SQLite makes a copy of the
** object and uses it for page cache memory allocations.</dd>
** [[SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>  
** <dd> *(This option takes a single argument which is a pointer to an  
** [sqlite3_pcache_methods2] object. SQLite copies of the current  
** page cache implementation into that object.)* </dd>  
**  
** [[SQLITE_CONFIG_LOG]] <dt>SQLITE_CONFIG_LOG</dt>  
** <dd> The SQLITE_CONFIG_LOG option is used to configure the SQLite  
** global [error log].  
** *(The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a  
** function with a call signature of void(*)(void*,int,const char*),  
** and a pointer to void. *If the function pointer is not NULL, it is  
** invoked by [sqlite3_log()]) to process each logging event. *If the  
** function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.  
** *(The void pointer that is the second argument to SQLITE_CONFIG_LOG is  
** passed through as the first parameter to the application-defined logger  
** function whenever that function is invoked. *The second parameter to  
** the logger function is a copy of the first parameter to the corresponding  
** [sqlite3_log()] call and is intended to be a [result code] or an  
** [extended result code]. *The third parameter passed to the logger is  
** log message after formatting via [sqlite3_snprintf()].  
** The SQLite logging interface is not reentrant; the logger function  
** supplied by the application must not invoke any SQLite interface.  
** In a multi-threaded application, the application-defined logger  
** function must be threadsafe.)* </dd>  
**  
** [[SQLITE_CONFIG_URI]] <dt>SQLITE_CONFIG_URI</dt>  
** <dd> This option takes a single argument of type int. If non-zero, then  
** URI handling is globally enabled. If the parameter is zero, then URI handling  
** is globally disabled. If URI handling is globally enabled, all filenames  
** passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or  
** specified as part of [ATTACH] commands are interpreted as URIs, regardless  
** of whether or not the [SQLITE_OPEN_URI] flag is set when the database  
** connection is opened. If it is globally disabled, filenames are  
** only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the  
** database connection is opened. By default, URI handling is globally  
** disabled. The default value may be changed by compiling with the  
** [SQLITE_USE_URI] symbol defined.  
** </dd>  
**  
** [[SQLITE_CONFIG_COVERING_INDEX_SCAN]] <dt>SQLITE_CONFIG_COVERING_INDEX_SCAN</dt>  
** <dd> This option takes a single integer argument which is interpreted as  
** a boolean in order to enable or disable the use of covering indices for  
** full table scans in the query optimizer. The default setting is determined  
** by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is *on*  
** if that compile-time option is omitted.  
** The ability to disable the use of covering indices for full table scans  
** is because some incorrectly coded legacy applications might malfunction  
** malfunction when the optimization is enabled. Providing the ability to  
** disable the optimization allows the older, buggy application code to work
** without change even with newer versions of SQLite.
**
** [[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]]
**<dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE
**<dd> These options are obsolete and should not be used by new code.
** They are retained for backwards compatibility but are now no-ops.
**</dd>
**
** [[SQLITE_CONFIG_SQLLOG]]
**<dt>SQLITE_CONFIG_SQLLOG
**<dd>This option is only available if sqlite is compiled with the
** [SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should
** be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).
** The second should be of type (void*). The callback is invoked by the library
** in three separate circumstances, identified by the value passed as the
** fourth parameter. If the fourth parameter is 0, then the database connection
** passed as the second argument has just been opened. The third argument
** points to a buffer containing the name of the main database file. If the
** fourth parameter is 1, then the SQL statement that the third parameter
** points to has just been executed. Or, if the fourth parameter is 2, then
** the connection being passed as the second parameter is being closed. The
** third parameter is passed NULL. In this case. An example of using this
** configuration option can be seen in the "test_sqllog.c" source file in
** the canonical SQLite source tree.
**</dd>
**
** [[SQLITE_CONFIG_MMAP_SIZE]]
**<dt>SQLITE_CONFIG_MMAP_SIZE
**<dd>SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values
** that are the default mmap size limit (the default setting for
** [PRAGMA mmap_size]) and the maximum allowed mmap size limit.
** The default setting can be overridden by each database connection using
** either the [PRAGMA mmap_size] command, or by using the
** [SQLITE_FCNTL_MMAP_SIZE] file control. The maximum allowed mmap size
** cannot be changed at run-time. Nor may the maximum allowed mmap size
** exceed the compile-time maximum mmap size set by the
** [SQLITE_MAX_MMAP_SIZE] compile-time option.
** If either argument to this option is negative, then that argument is
** changed to its compile-time default.
**</dd>
*/

Found in path(s):
*/opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
HmFjIqog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/sqlite.h.in

No license file was found, but licenses were detected in source scan.

SQLite is high-quality, public domain software. The goal of
can also request their own private, proprietary extensions
Suppose the `demo_data.boundary` field holds some proprietary data description

SQLite is in the public domain. This document describes what that means

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
# #
# # May you do good and not evil.
# # May you find forgiveness for yourself and forgive others.
# # May you share freely, never taking more than you give.
# #
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS3 module.
# # $Id: fts3ac.test,v 1.1 2007/08/20 17:38:42 shess Exp $
# #
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS3 is defined, omit this file.
if capable !fts3 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts3ac-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts3([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.';
        INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI: If it’s ok with everyone’s needs, I would like to leave @4pm. If you think you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.);
        INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93

The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

? If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
? If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
? For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

<table>
<thead>
<tr>
<th>Volume on Autohedge transaction</th>
<th>Volume Hedged</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 24990</td>
<td></td>
</tr>
<tr>
<td>2500 - 5499500</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 64996000</td>
<td></td>
</tr>
</tbody>
</table>

If it’s ok with everyone’s needs, I would like to leave @4pm. If you think you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.);
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com);

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,

Could you print off the current work request report by 1:30 today?

Gentlemen,

I'd like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD);

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html);

INSERT INTO email([from],[to],subject,body) VALUES('mark.haedcke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark);

INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.

-----Original Message-----
From: Johnson, Jay
Sent: Tuesday, October 16, 2001 3:42 PM
To: Carter, Karen E.
Subject: FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent: Friday, September 21, 2001 8:33 PM
Subject: Producers Newsletter 9-24-2001

');

INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.
Regards
Delainey'};

INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy'};

INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,

If Julie”s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd”s sheets as well.
Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent:Thursday, December 20, 2001 11:10 AM
To:McCarty, Danny
Subject:worksheets

As discussed, attached are your sheets for bonus and merit.
Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >>  << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,' PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT);
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajiwa@enron.com, john.griffith@enron.com,'); 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.);
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick -- Here is the information on staffing and outside services. Call if you need anything else.

Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,
Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages. In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive
nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.
Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.

- OUTAGE.dbf
- 111201R.xls
- 111201.xls

INSERT INTO email([from],[to],subject,body) VALUES('enron.announcements@enron.com', 'all_ena_egm_eim@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW !

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: ""chris.germany@enron.com"" <chris.germany@enron.com>
cc:
Subject: About St Pauls

"<About St Pauls.url>>
?
?http://www.stpaulshouston.org/about.html

Chris,
I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url

');

INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmcerea@sablaw.com, thompson@wrightlaw.com,', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');

INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other markers up to the 6 p.m. Same Day 2 nomination cycle. ');

INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.');

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap       10.000 / Enron ; 110.000 / HPL IFERC
LS HPL LSK IC       30.000 / Enron
');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');

INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works. ');

INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', '')
'George,
Give me a call and we will further discuss opportunities on the 13th floor.

Thanks,
JMForney
3-7160');
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.');
"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: ""Agheb (E-mail)" "Agheb@aol.com", "Leila Mankarious (E-mail)"
<Leila_Mankarious@mghhs.org>, "Marymankarious (E-mail)"
<marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy
Mankarious (E-mail)" <Mankarious@aol.com>
cc: 

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David
Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R
Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra
Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is
extremely important that any deal booked to the East is communicated quickly
to someone on my team. I know it will take some time for the new names to
sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.
New:
Scott Neal : East Northeast
Dick Jenkins: East Market east

WK
');
INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

America: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black  
East Power Trading  
Assistant to Kevin Presto  
off. 713-853-5800  
fax 713-646-8272  
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE]

[IMAGE][IMAGE][IMAGE]

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com',
'mark.bernstein@enron.com', "The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben");

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com',
'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently
they are requesting that FERC discontinue market-based rates immediately and
grant refunds plus interest on the difference between cost-based rates and
market revenues received back to May 2000. They are requesting the
commission act within 14 days. Have you heard anything about what they are
doing?

Marcie


Who is General Brinks?

Fletch);

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

------------ Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001
16:36 --------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter
Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from
California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert.
He has now handed them to him in person but asked me to transmit them
electronically to you, as well as Eric and Ross.

Nailia
Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  - Finalize market analysis to refine business case, specifically projected revenue stream
  - Complete counterparty surveying, including targeting 3 CPs for letters of intent
  - Review Enron asset base for potential reuse/ licensing
  - Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc ');

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc: 
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');
INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com,' 'email address change', 'Hello all.

I haven’t talked to many of you via email recently but I do want to give you my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com, 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com,' '2001 Enron Law Conference (Distribution List 2), ' ‘ Enron Law Conference

San Antonio, Texas May 2-4, 2001 Westin Riverwalk

See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i'll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');

INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,');

I'll get it done today.

DG  3-9573

From: Bryce Baxter                           06/12/2000 07:15 PM
To: Darron C Giron/HOU/ECT@ECT
cc: 
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');

INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey');
It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com;

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist  
Enron North America Corp.  
Phone:  (713) 853-3907  
Fax:  (713) 646-3490  
marie.heard@enron.com

');
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

');
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', 'Please contact me if you have any questions regarding last weeks prices.

Thank you,  
Karolyn Criado  
3-9441

');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.  

INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg.

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', "'hey big guy.....check this out.....

www.gorelieberman-2000.com/");
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqeste@aol.com', ", 'Jacques,
I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R” is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002” link has all of the supply side info that is used to calculate the L/R balance
-Please note the Data Flag column, a value of "3” indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please. Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com');

Paul,

I reviewed NY”s list. I agree with all of their contracts numbers and mw amounts.
Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To:Grace, Rebecca M.
Subject:FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,), 'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???, '}
-----Original Message-----
From: Kenne, Dawn C.
Sent:Wednesday, February 06, 2002 11:50 AM
To:Keiser, Kam
Subject:What about this too???

<< File: Netco Trader Matrix.xls >>

); INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666');

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend!  Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax  713-646-3490');

INSERT INTO email([from],[to],subject,body) VALUES('outlook.team@enron.com', '', 'Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY:APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date:1/5/2001
Time:9:00 AM - 10:00 AM (Central Standard Time)

Chairperson:Outlook Migration Team

Detailed Description:

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.
Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a “in w/h Chile” contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!

Best regards

Diana Seifert
EOL PCG

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'mark.whitt@enron.com', '<<Concur Expense Document>> - 121001', 'The Approval status has changed on the following report:

Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com

INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com', '', 'Technical Support', 'Outside the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.'
-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore
281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject: 

Coral
Jeff Whitnah
713-767-5374

Relaint
Steve McGinn
713-207-4000

INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3;  <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3;  No ancillary schedules awarded.
Variances detected.
Variances detected in Load schedule.

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred:  1.92 / Final:  1.89)  
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com','john.zufferli@enron.com','Reference','John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');

INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com','lschiffm@jonesday.com','Re:','I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I’m seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com',' ','Lite Bytz RSVP','This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebyzttoolzprint.jpg';

COMMIT;

} {}
do_test fts3ac-1.4 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
}
} {40}
do_test fts3ac-1.5 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
}
} {40}
do_test fts3ac-1.6 {
execsql {
    SELECT rowid FROM email WHERE email MATCH '"mark susan"'
}
} {}
do_test fts3ac-1.7 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
}
} {6 17 25 38 42 73 74}
do_test fts3ac-1.8 {
execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
}
} {24}
do_test fts3ac-1.9 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
}
} {6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts3ac-2.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
}
} {20 [2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts3ac-2.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {20 [2 0 42 3 2 1 54 8 3 1 54 8]}
do_test fts3ac-2.3 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
} 
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.4 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE subject MATCH 'gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8}}
do_test fts3ac-2.5 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH 'gas reminder'
    }
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts3ac-3.1 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH 'child product' AND +rowid=32
    }
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts3ac-3.2 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH ""child product"
    }
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts3ac-4.1 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
    }
} {[Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b> ]}
do_test fts3ac-4.2 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'christmas candlelight'
    }
do_test fts3ac-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts3ac-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts3ac-4.5 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'first things'
  }
}

do_test fts3ac-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
}

do_test fts3ac-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH '"pursuant to"
  }
}

do_test fts3ac-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
}


LOG

# Combinations of AND and OR operators:
#
<do_test fts3ac-5.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
  }
} {{matt.smith@enron.com...31 Keystone Receipts
15 Questar Pipeline
40 Rockies...}}

<do_test fts3ac-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@enron.com...31 Keystone Receipts
15 Questar Pipeline
40 Rockies...}}

# Test a problem reported on the mailing list.
#
<do_test fts3ac-6.1 {
  execsql {
    CREATE VIRTUAL TABLE ft USING fts3(one, two);
    INSERT INTO ft VALUES('', 'foo');
    INSERT INTO ft VALUES('foo', 'foo');
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
} {{1 0 0 3} {0 0 0 3 1 0 0 3}}
<do_test fts3ac-6.2 {
  execsql {
    DELETE FROM ft WHERE one = 'foo';
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
} {{1 0 0 3}}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

%define name sqlite
Name: %{name}
Summary: SQLite is a C library that implements an embeddable SQL database engine
Version: %{version}
Release: %{release}
Source: %{name}-%{version}.tar.gz
Group: System/Libraries
URL: http://www.sqlite.org/
License: Public Domain
BuildRoot: %{_tmppath}/%{name}-%{version}-root

%description
SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. Programs that link with the SQLite library can have SQL database access without running a separate RDBMS process. The distribution comes with a standalone command-line access program (sqlite) that can be used to administer an SQLite database and which serves as an example of how to use the SQLite library.

%package -n %{name}-devel
Summary: Header files and libraries for developing apps which will use sqlite
Group: Development/C
Requires: %{name} = %{version}-%{release}

%description -n %{name}-devel
The sqlite-devel package contains the header files and libraries needed to develop programs that use the SQLite database library.

%prep
%setup -q -n %{name}

%build
CFLAGS="%{optflags} -DNDEBUG=1" CXXFLAGS="%{optflags} -DNDEBUG=1" ./configure --prefix=%{_prefix}
make
make doc

%install
install -d $RPM_BUILD_ROOT/%{_prefix}
install -d $RPM_BUILD_ROOT/%{_prefix}/bin
install -d $RPM_BUILD_ROOT/%{_prefix}/include
install -d $RPM_BUILD_ROOT/%{_prefix}/lib
make install prefix=$RPM_BUILD_ROOT/%{_prefix}

%post -p /sbin/ldconfig
%postun -p /sbin/ldconfig

%clean
rm -fr $RPM_BUILD_ROOT

%files
%defattr(-, root, root)
%{_libdir}/*.so*
%{_bindir}/*

%files -n %{name}-devel
%defattr(-, root, root)
%{_libdir}/pkgconfig/sqlite3.pc
%{_libdir}/*.a
%{_libdir}/*.la
%{_includedir}/*
%doc doc/*

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
# The author disclaims copyright to this source code.  In place of
# a legal notice, here is a blessing:
##
#     May you do good and not evil.
#     May you find forgiveness for yourself and forgive others.
#     May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library.  The
# focus of this script is testing the FTS2 module.
#
#$Id: fts2c.test,v 1.1 2006/10/19 23:36:26 shess Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS2 is defined, omit this file.
if capable !fts2 {
    finish_test
    return
}
# Create a table of sample email data. The data comes from email archives of Enron executives that was published as part of the litigation against that company.

```bash
do_test fts2c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts2([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

'?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
'?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
'?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

<table>
<thead>
<tr>
<th>Volume on Autohedge transaction</th>
<th>Volume Hedged</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 24990</td>
<td></td>
</tr>
<tr>
<td>2500 - 54995000</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 64996000</td>
<td></td>
</tr>
</tbody>
</table>

INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it's ok with everyone’s needs, I would like to leave @4pm. If you think you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.);

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready for approval:
Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
```
Could you print off the current work request report by 1:30 today?

Gentlemen,

I’d like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD);

The producer lumber pricing sheet.

-----Original Message-----
From: Johnson, Jay
Sent: Tuesday, October 16, 2001 3:42 PM
To: Carter, Karen E.
Subject: FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent: Friday, September 21, 2001 8:33 PM
Subject: Producers Newsletter 9-24-2001

'I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey'});
Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent: Wednesday, September 26, 2001 7:50 AM
To: Fenceroy, LaChandra
Subject: FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent: Tuesday, September 25, 2001 2:41 PM
To: Bisbee, Joanne
Subject: Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy');
INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,
   If Julie’s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd’s sheets as well.
Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent: Thursday, December 20, 2001 11:10 AM
To: McCarty, Danny
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT:
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, 
bilal.bajwa@enron.com, john.griffith@enron.com.', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)’, 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+- +PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&Tv1Exp=Y&current_efct_d ate=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.');?></INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!’); INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.’);
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

’);
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSRC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,
Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.
In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.
Greg Elliott
IIR, Inc.
713-783-5147 x 3481
You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610;

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: “"chris.germany@enron.com”" <chris.germany@enron.com>
cc:
Subject: About St Pauls

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.
Let me know.?? ii

- About St Pauls.url

');
INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratriging.com, kmccrea@sablom.com, thompson@wrightlaw.com,,' 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000,
E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC.
Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy
chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.
');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com, ');
Here is a goody for you);
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,,' 'TRV Notification: (West VaR - 11/07/2001)', 'The report
now available for viewing on the website.');
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,,' 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ;
LS HPL LSK IC 30.000 / Enron
');
INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-
Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');
INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn''t know how deep to go with the desk. Do you think this works.

');
INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com, 'George,
Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.');
Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

Thanks

---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000 08:39 AM ---------------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal: East Northeast
Dick Jenkins: East Marketeast
WK

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com',
'mmmarcantel@equiva.com','RE:','i will try to line up a pig for you');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com,
chaun.roberts@enron.com, judy.martinez@enron.com','Disaster Recovery Equipment','As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm.tholt@enron.com',
'10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE][IMAGE][IMAGE][IMAGE]
Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.
SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01
You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, karen.denne@enron.com,', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.
Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: "smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are

INSERT INTO email([from],[to],subject,body) VALUES('fletcher.sturm@enron.com', 'eloy.escobar@enron.com', 'Re: General Brinks Position Meeting', 'Eloy,

Who is General Brinks?

Fletch');
INSERT INTO email([from],[to],subject,body) VALUES('nailia.dindarova@enron.com', 'richard.shapiro@enron.com', 'Documents for Mark Frevert (on EU developments and lessons from', 'Rick,

Here are the documents that Peter has prepared for Mark Frevert.

Nailia
---------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001
16:36 ---------------------------
Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com', 'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -
Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  Finalize market analysis to refine business case, specifically projected revenue stream
  Complete counterparty surveying, including targeting 3 CPs for letters of intent
  Review Enron asset base for potential reuse/licensing
  Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc

INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com', 'Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.'); INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net', 'Oral Argument Request', '- Oral Argument Request.doc'); INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid'); INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', '-----Original Message----- From: Punja, Karim Sent: Thursday, December 13, 2001 2:35 PM To: Richey, Cooper Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com
Take Care,

Karim.

');
INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com,', 'email address change', 'Hello all.

I haven’t talked to many of you via email recently but I do want to give you
my new address for your email file:

   bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com,', '2001 Enron Law Conference (Distribution List 2)', '2001 Enron Law Conference

San Antonio, Texas   May 2-4, 2001   Westin Riverwalk

   See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i'll call pat
and let him know - we are coming on saturday - i just havent had a chance to
call you guys back -- looking forward to it -- i probably need the
directions again though');

I'll get it done today.

DG    3-9573

From: Bryce Baxter                   06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:                           
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you
complete her feedback by end of business Wednesday? It will really help me
in the PRC process to have your input. Thanks.

');

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey'};
It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com;

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

');
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

');
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com,', 'Price List week of Oct. 8-9, 2001', 'Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.');
INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg,

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', "'hey big guy.....check this out.....

www.gorelieberman-2000.com');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', ", 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.
Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com',
'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not
   included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on
new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com');

INSERT INTO email([from],[to],subject,body) VALUES('d..thomas@enron.com', 'naveed.ahmed@enron.com',
'FW: Current Enron TCC Portfolio', '

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY”s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:08 AM
To: Grace, Rebecca M.
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>

Rebecca,
Let me know if you see any differences.

Paul
X 3-0403

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

'):

INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com', 'william.brADFORD@enron.com, debbie.brackett@enron.com', 'Coastal Merchant Energy/El Paso Merchant Energy', 'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy, L.P., effective February 1, 2001, with the surviving entity being El Paso Merchant Energy, L.P. We currently have ISDA Master Agreements with both counterparties. Please see the attached memo regarding the existing Masters and let us know which agreement should be terminated.

Thanks,
Stephanie
'):

INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???, '

-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

');

INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666');

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490');

INSERT INTO email([from],[to],subject,body) VALUES('outlook.team@enron.com', '', 'Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY: APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:');

INSERT INTO email([from],[to],subject,body) VALUES('diana.seifert@enron.com', 'mark.taylor@enron.com', 'Guest access Chile', 'Hello Mark,

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!


Open Source Used In NFVIS Branch Virtualization 4.6.2 1094
Best regards

Diana Seifert

EOL PCG;

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com',
'mark.whitt@enron.com', '<Concur Expense Document>> - 121001', 'The Approval status has changed on the
following report:

Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.

http://expensexms.enron.com);

INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com', '', 'Technical Support', 'Outside
the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.);

INSERT INTO email([from],[to],subject,body) VALUES('geoff.storey@enron.com', 'dutch.quigley@enron.com', 'RE:', 'duke contact?

-----Original Message-----
From: Quigley, Dutch
Sent:Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore 281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject: 

Coral
Jeff Whitnah 713-767-5374
Reliant
Steve McGinn 713-207-4000

INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3;  <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3;  No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred:  1.92 / Final:  1.89)
   TRANS_TYPE: FINAL
   LOAD_ID: PGE4
   MKT_TYPE: 2
   TRANS_DATE: 4/22/01
   SC_ID: EPNI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',

----------
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '
This week's Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');
    COMMIT;

} } }

###############################################################################
# Everything above just builds an interesting test database. The actual
# tests come after this comment.
###############################################################################

do_test fts2c-1.2 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark'
    }
} {6 17 25 38 40 42 73 74}
do_test fts2c-1.3 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'susan'
    }
} {24 40}
do_test fts2c-1.4 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark susan'
    }
}
do_test fts2c-1.5 {
exesql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
}
}

do_test fts2c-1.6 {
exesql {
    SELECT rowid FROM email WHERE email MATCH "mark susan"
}
}

do_test fts2c-1.7 {
exesql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
}
}

do_test fts2c-1.8 {
exesql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
}
}

do_test fts2c-1.9 {
exesql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
}
}

do_test fts2c-2.1 {
exesql {
    SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'gas reminder'
}
}

do_test fts2c-2.2 {
exesql {
    SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
}
}

do_test fts2c-2.3 {
exesql {
    SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'body:gas reminder'
}
do_test fts2c-2.4 {
excsq {
SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
}
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

do_test fts2c-2.5 {
excsq {
SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8}}

do_test fts2c-3.1 {
excsq {
SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
}
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}

do_test fts2c-3.2 {
excsq {
SELECT rowid, offsets(email) FROM email
    WHERE body MATCH '"child product"
}
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#

do_test fts2c-4.1 {
excsq {
SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}}

do_test fts2c-4.2 {
excsq {
SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
}
} {{<b>...</b> place.? What do you think about going here <b>Christmas</b>eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}
do_test fts2c-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

{{EOL-Accenture <b>Deal</b>/<b>Sheet</b> intent
  Review Enron asset base for potential/reuse/licensing
  Contract negotiations }}

do_test fts2c-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

{{EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
  Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
  Contract negotiations }}

do_test fts2c-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
}

{{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the }}

do_test fts2c-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
}

{{chris.germany@enron.com Sounds good to me. I bet this is next to the Warwick? Hotel. place? What do you think about going Christmas eve? They have an 11:00 a.m. ?}}

do_test fts2c-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
  }
}

{{Erin: Pursuant your request, attached are the Schedule to }}

do_test fts2c-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
}

{{pete.davis@enron.com Start Date: 4/22/01; HourAhead hour: 3; No schedules awarded.
  Variances detected.
  Variances detected in Load schedule.}}
LOG MESSAGES:

PARSING <b>...</b>}}

# Combinations of AND and OR operators:
#
do_test fts2c-5.1 {
 execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH 'questar enron OR com'
 }
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b>}}
do_test fts2c-5.2 {
 execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH 'enron OR com questar'
 }
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b>}}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

other proprietary or non-standard VFSes.

Found in path(s):
No license file was found, but licenses were detected in source scan.

{string currentfile exch readstring pop}executeonly def

Found in path(s):
* /
No license file was found, but licenses were detected in source scan.

)print dup( )cvs print

Found in path(s):
* {cvx $error/errorname get(Error

1.39 policycoreutils 2.5-34.el7
1.39.1 Available under license :

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1.53 zjsonpatch 0.3.0

1.54 lvm2 2.02.177 4.el7

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1.55 xz 5.2.2

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1.60 wget 1.14

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Julian Seward, jseward@bzip.org
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonPrimitive.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonIOException.java
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  jar/com/google/gson/stream/JsonWriter.java
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  * the Mozilla project has been developed by David Einstein
  * (Deinst@world.std.com). David and I are now
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* a significant help in improving MySpell.
*
* Special thanks also go to La'szlo Ne'meth
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1.76 spring-boot-starter-validation

1.5.18.RELEASE

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1.77 systemd 219 57.el7

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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/**
 * Constructs a new {@link LocalVariablesSorter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the {@link #LocalVariablesSorter(int, int, String, MethodVisitor)}
 * version.
 *
 * @param access access flags of the adapted method.
 * @param descriptor the method's descriptor (see {@link Type}).
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @throws IllegalStateException if a subclass calls this constructor.
 */

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/**
 * Constructs a new {@link GeneratorAdapter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see {@link Opcodes}).
 * @param name the method's name.
 * @param descriptor the method's descriptor (see {@link Type}).
 * @throws IllegalStateException if a subclass calls this constructor.
 */
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**
* Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #SerialVersionUIDAdder(int, ClassVisitor)}
* version.
* *
* @param classVisitor a {@link ClassVisitor} to which this visitor will delegate calls.
* @throws IllegalStateException If a subclass calls this constructor.
* */

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ExaBGP

Introduction

ExaBGP allows engineers to control their network from commodity servers. Think of it as Software Defined Networking using BGP.
It can be used to announce ipv4, ipv6, vpn or flow routes (for DDOS protection) from its configuration file(s).
ExaBGP can also transform BGP messages into friendly plain text or JSON which can be easily manipulate by scripts and report peer announcements.

Use cases include

-----------------
- sql backed `looking glass <https://code.google.com/p/gixlg/wiki/sample_maps>`_ with prefix routing visualisation
- `anycasted <http://blog.iweb-hosting.co.uk/blog/2012/01/27/using-bgp-to-serve-high-availability-dns>`_ services

Installation

==============

Prerequisites

-------------

ExaBGP requires python 2.7 or 3.x. It has no external dependencies.

Using pip

----------

#. Use pip to install the packages:

::

   pip install -U exabgp
   exabgp --help

Without installation

---------------------

::

   curl -L https://github.com/Exa-Networks/exabgp/archive/4.0.10.tar.gz | tar xz
   ./exabgp-4.0.10/sbin/exabgp --help

Feedback and getting involved

================================

- Gitter: https://gitter.im/Exa-Networks/exabgp
- #exabgp: irc://irc.freenode.net:6667/exabgp
Keywords: BGP routing SDN FlowSpec HA
Platform: macosx-10.13-x86_64
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier: Intended Audience :: System Administrators
Classifier: Intended Audience :: Telecommunications Industry
Classifier: License :: OSI Approved :: BSD License
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/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/Unwrapping.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/Valid.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/CrossParameterDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/ValidationProviderResolver.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/ValidatorFactory.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/ClockProvider.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/Configuration.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/ValidationException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/overrides/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/TraversableResolver.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/ContainerDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/ConstraintDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/ParameterDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/ConstraintValidatorFactory.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/ValidationException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/OverridesAttribute.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/spi/BootstrapState.java
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Comments to: <a href="mailto:bean-validation-dev@eclipse.org">bean-validation-dev@eclipse.org</a>.<br>
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1.92 logging-interceptor 3.14.8
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* /opt/ws_local/PERMITS_SQL/1074412195_1595831585.18/0/logging-interceptor-3-14-8-sources-
jar/okhttp3/logging/LoggingEventListener.java

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jar/okhttp3/logging/HttpLoggingInterceptor.java
1.93 coverage 3.6b3

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Metadata-Version: 1.1
Name: coverage
Version: 3.6b3
Summary: Code coverage measurement for Python
Home-page: http://nedbatchelder.com/code/coverage/3.6b3
Author: Ned Batchelder and others
Author-email: ned@nedbatchelder.com
License: BSD

Description: Coverage.py measures code coverage, typically during test execution. It uses the code analysis tools and tracing hooks provided in the Python standard library to determine which lines are executable, and which have been executed.

Coverage.py runs on Pythons 2.3 through 3.3, and PyPy 1.9.

Documentation is at `nedbatchelder.com <http://nedbatchelder.com/code/coverage/3.6b3>`_. Code repository and issue tracker are at `bitbucket.org <http://bitbucket.org/ned/coveragepy>`_.

New in 3.6: ``--fail-under``, and >20 bugs closed.

New in 3.5: Branch coverage exclusions, keyboard shortcuts in HTML report.

New in 3.4: Better control over source to measure, and unexecuted files can be reported.

New in 3.3: .coveragerc files.

New in 3.2: Branch coverage!

Keywords: code coverage testing
Platform: UNKNOWN
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 3
Classifier: Topic :: Software Development :: Quality Assurance
Classifier: Topic :: Software Development :: Testing
Classifier: Development Status :: 4 - Beta

Found in path(s):
* /opt/cola/permits/1154616852_1618867912.55/0/coverage-3-6b3-tar-gz/coverage-3.6b3/coverage.egg-info/PKG-
INFO
* /opt/cola/permits/1154616852_1618867912.55/0/coverage-3-6b3-tar-gz/coverage-3.6b3/PKG-INFO
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* Includes Sizzle.js
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* Date: Thu Oct 14 23:10:06 2010 -0400
*/

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* @version 1.2.0

*/

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* jQuery Hotkeys Plugin
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*
* Based upon the plugin by Tzury Bar Yochay:
* http://github.com/tzuryby/hotkeys
*
* Original idea by:

*/

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*
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*
* http://docs.jquery.com/QUnit
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/**
 * jsDump
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com | http://flesler.blogspot.com
 * Licensed under BSD (http://www.opensource.org/licenses/bsd-license.php)
 * Date: 5/15/2008
 * @projectDescription Advanced and extensible data dumping for Javascript.
 * @version 1.0.0
 * @author Ariel Flesler
 * @link {http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html}
 */
/*
 * Javascript Diff Algorithm
 * By John Resig (http://ejohn.org/)
 * Modified by Chu Alan "sprite"
 *
 * Released under the MIT license.
 *
 * More Info:
 * http://ejohn.org/projects/javascript-diff-algorithm/
 *
 * Usage: QUnit.diff(expected, actual)
 *
 * QUnit.diff("the quick brown fox jumped over", "the quick fox jumps over") == "the  quick <del>brown </del> fox
 <del>jumped </del><ins>jumps </ins> over"
 */

Found in path(s):
* /opt/cola/permits/1154616852_1618867912.55/0/coverage-3.6b3-tar-gz/coverage-3.6b3/test/qunit/qunit.js

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 * jQuery Templates Plugin 1.0.0pre
 * http://github.com/jquery/jquery-tmpl
 * Requires jQuery 1.4.2
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jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/MessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/ConnectTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/DefaultChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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 * under the License.
 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [ @link ChannelPipeline].
 *
Sub-types

{@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:

- {@link ChannelInboundHandler} to handle inbound I/O events, and
- {@link ChannelOutboundHandler} to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- {@link ChannelInboundHandlerAdapter} to handle inbound I/O events,
- {@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and
- {@link ChannelDuplexHandler} to handle both inbound and outbound events.

For more information, please refer to the documentation of each subtype.

The context object

A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
{@link ChannelPipeline} it belongs to via a context object. Using the context object, the {@link ChannelHandler} can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using {@link AttributeKey}s) which is specific to the handler.

State management

A {@link ChannelHandler} often needs to store some stateful information.

The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}
```

```java
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {
    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        }
    }
```

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* } else (message instanceof GetDataMessage) {
*   if ((<b>loggedIn</b>) ) {
*     ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*   } else {
*     fail();
*   }
* }
* }
* ...
*
* }</pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* </pre>
* // Create a new handler instance per channel.
* // See [@link ChannelInitializer#initChannel(Channel)].
* public class DataServerInitializer extends [@link ChannelInitializer]&lt;[@link Channel]&gt; { 
*   {[@code @Override]
*     public void initChannel([@link Channel] channel) {
*       channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
*   }
* </pre>
*
* <h4>Using [@link AttributeKey]s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by
* {[@link ChannelHandlerContext]:
* </pre>
* public interface Message {
*   // your methods here
* }
*
* {[@code @Sharable]
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; { 
*   private final [@link AttributeKey]&lt;[@link Boolean]&gt; auth =
*     {[@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")]};
* }
* {[@code @Override]
* public void channelRead([@link ChannelHandlerContext] ctx, Message message) {
*   {[@link Attribute]&lt;[@link Boolean]&gt; attr = ctx.attr(auth);
*     if (message instanceof LoginMessage) {
*       authenticate((LoginMessage) o);
<b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;{ @link Channel}&gt; { 
* * private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
* * {
*         @code @Override
*         public void initChannel({ @link Channel} channel) {
*             channel.pipeline().addLast("handler", <b>SHARED</b>);
*         }
* }
* </pre>
* *
* *
* <h4>The { @code @Sharable} annotation</h4>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* <p>
* If a { @link ChannelHandler} is annotated with the { @code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>,.
* *
* <h3>Additional resources worth reading</h3>
* Please refer to the { @link ChannelHandler}, and
* { @link ChannelPipeline} to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

*/

Found in path(s):
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*/opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/CoalescingBufferQueue.java

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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/META-INF/maven/io.netty/netty-transport/pom.xml

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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/SelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/SelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/bootstrap/AbstractBootstrapConfig.java

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  jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/package-info.java
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  jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/FixedChannelPool.java
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  jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/ChannelPool.java
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  jar/io/netty/channel/pool/ChannelPoolMap.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/pool/SimpleChannelPool.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
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  jar/io/netty/channel/pool/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
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  jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/socket/nio/NioDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/FailedChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/group/CombinedIterator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/package-info.java
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelFutureListener.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelInitializer.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelPipelineException.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/local/LocalChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/bootstrap/Bootstrap.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/oio/AbstractOioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/DatumChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/channel/ChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/group/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/channel/DefaultChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelOutboundHandler.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelOption.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/local/LocalServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
ar/io/netty/channel/ChannelPipeline.java
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jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/ChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/local/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/socket/DatagramPacket.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/VoidChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java

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  jar/io/netty/channel/PendingBytesTracker.java
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  jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
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  jar/io/netty/channel/internal/ChannelUtils.java
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  jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io/netty/channel/socket/DelegatingChannelPromiseNotifier.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/Varint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/protobuf/Varint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4.1.49-final-sources-1-jar/io/netty/handler/codec/HeadersUtils.java

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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/Headers.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/MessageAggregator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/compression/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerEncoder.java

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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/compression/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/compression/Snappy.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/CompactObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/Compatibl
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/EncoderException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/CodecException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/base64/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/Delimiters.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/string/StringEncoder.java
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Enumeration of supported Base64 dialects.

The internal lookup tables in this class have been derived from Robert Harder's Public Domain
* Base64 Encoder/Decoder
*/

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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/CodecOutputList.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/CodecOutputList.java
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  jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java

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A decoder that splits the received `ByteBuf`s dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.
* <p>
* [ @link LengthFieldBasedFrameDecoder ] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
*
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* [ @link ByteBuf#readableBytes() ], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
*
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* `<tt>lengthAdjustment</tt>`. Because the length value in this example message
* is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>
* as `<tt>lengthAdjustment</tt>` for compensation.

* `<pre>`
  * lengthFieldOffset   = 0
  * lengthFieldLength   = 2
  * `<b>lengthAdjustment</b>` = `<b>-2</b>` (= the length of the Length field)
  * initialBytesToStrip = 0

  * BEFORE DECODE (14 bytes)                                AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * `</pre>`

* `<h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>`

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.

* `<pre>`
  * `<b>lengthFieldOffset</b>` = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b>` = `<b>3</b>`
  * `lengthAdjustment`    = 0
  * initialBytesToStrip = 0

  * BEFORE DECODE (17 bytes)                                AFTER DECODE (17 bytes)
  * +----------+----------+----------------+      +----------+----------+----------------+
  * | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  * | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
  * +----------+----------+----------------+      +----------+----------+----------------+
  * `</pre>`

* `<h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>`

* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra
* header into the frame length calculation.

* `<pre>`
  * lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->| Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE   | "HELLO, WORLD" |      | 0x00000C | 0xCAFE   | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* 2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
*
* 2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
```
* initialBytesToStrip = 3
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-----------------+-------------------+      +-----------------+-------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------+-------------------+      +-----------------+-------------------+
* </pre>
* @see LengthFieldPrepender
*/

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/*

* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
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*/

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```

1.96 idna 2.4

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---

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

---

import io, sys
from setuptools import setup

version = "2.4"

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
        ]
    }

    setup(**arguments)
'Programming Language :: Python :: 3.5',
'Topic :: Internet :: Name Service (DNS)',
'Topic :: Software Development :: Libraries :: Python Modules',
'Topic :: Utilities',
],
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsgo/idna-2.4/setup.py
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* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/python-idna.spec
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1.97 javax-persistence 2.1.1

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1.99 simpleclient 0.7.0

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* /opt/cola/permits/1136375515_1613752603.96/0/spring-jcl-5-2-6-release-sources-1-
  jar/org/apache/commons/logging/LogFactoryService.java
* /opt/cola/permits/1136375515_1613752603.96/0/spring-jcl-5-2-6-release-sources-1-
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jar/org/springframework/asm/Context.java
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jar/org/springframework/asm/ClassVisitor.java
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jar/org/springframework/asm/ClassReader.java
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jar/org/springframework/asm/Constants.java
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* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1.jar/org/springframework/util/xml/XmlValidationModeDetector.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1.jar/org/springframework/core/codec/AbstractEncoder.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-
jar/org/springframework/core/CollectionFactory.java
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* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/lang/Nullable.java
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* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/core/convert/support/ZonedDateTimeToCalendarConverter.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/util/concurrent/FailureCallback.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/core/convert/support/StringToPropertiesConverter.java
* /opt/cola/permits/1137623834_1614109188.75/0/spring-core-5-1-12-release-sources-1-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
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1.109 tar 1.2.11-29.el7

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  jar/jersey/repacked/com/google/common/util/concurrent/Runnables.java
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  jar/jersey/repacked/com/google/common/io/CharSequenceReader.java

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  jar/jersey/repackaged/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/CheckedFuture.java
  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/ImmutableListMultimap.java
  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/Serialization.java
  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/primitives/Chars.java
  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/ImmutableEntry.java
  * /opt/ cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/Table.java
  * /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/InetAddresssi
jar/jersey/repackaged/com/google/common/collection/ImmutableMultimap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/AbstractCheckedFuture.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/base/Converter.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/io/MultiReader.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/base/Joiner.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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jar/jersey/repackaged/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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jar/jersey/repackaged/com/google/common/util/concurrent/SerializingExecutor.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
Jar/jersey/repackaged/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/EmptyImmutableBiMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/Table.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/Collections2.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/FluentIterable.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/Platform.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/ListenerTask.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/primitives/Floats.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/ImmutableMultiset.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/EmptyImmutableSortedSet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/CollectPreconditions.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/database/Stopwatch.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/escape/Escaper.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/collection/HashBasedTable.java

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* 
* As of 2010/06/11, this method is identical to the (package private) hash
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collection/Count.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/base/MoreObjects.java
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Version 2.1, February 1999

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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1.126 rpm 4.11.3

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1.128 shim 14

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to
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1.146 libpcap 1.5.3 11.el7

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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/EditReplacePatchDeletable.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/Client.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/PropagationPolicyConfigurable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/Scaleable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/APIGroupNotAvailableException.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/DefaultOperationInfo.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/GenericKubernetesClient.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Loggable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/extended/leaderelection/LeaderElectionConfig.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/DefaultKubernetesClient.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/PortForwardable.java

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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/Watcher.java
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Impl.java

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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-
jar/io/fabric8/kubernetes/client/watch/java

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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingDeletable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/V2beta1AutoscalingAPIGroupDSL.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Applicable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/V1AdmissionRegistrationAPIGroupDSL.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/base/HasMetadataOperation.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Executeable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Errorable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/V1APIGroupExtensionAdapter.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/informers/cache/ProcessorListener.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Patchable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/Config.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.090/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Containerable.java

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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/ExecListener.java

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io.fabric8.kubernetes.client.URLFromEnvVarsImpl
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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

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 * minibz2
 * libbz2.dll test program.
 * by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in
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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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1.153 ipmi-tool 1.8.18 7.el7

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1.154 latencyutils 2.0.3

1.155 strongswan 5.7.1-3

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*/opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1-
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jar/com/amazonaws/services/ec2/model/DryRunResult.java

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 */
/**
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
 * can
 * be modified; it does not return information about other resource types.
 */
 *
 * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> |
 * <code>snapshot</code> | <code>volume</code>.
 *
 * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
 * by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM
 users,
 * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
 * command for the resource type.
 */
* @param describeIdFormatRequest
  * Contains the parameters for DescribeIdFormat.
  * @return Result of the DescribeIdFormat operation returned by the service.
  * @sample AmazonEC2.DescribeIdFormat
  * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat">AWS API</a>
  */
/**
 * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
 * receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
 * </p>
 * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
 * user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
 * themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the
 * Amazon Elastic Compute Cloud User Guide.</i>.
 * </p>
 * Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
 * provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
 * </p>
 * *
 * @param modifyIdFormatRequest
  * Contains the parameters of ModifyIdFormat.
  * @return Result of the ModifyIdFormat operation returned by the service.
  * @sample AmazonEC2.ModifyIdFormat
  * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat">AWS API</a>
  */
*/

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  jar/com/amazonaws/services/ec2/AmazonEC2.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1-
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jar/com/amazonaws/services/ec2/model/Filter.java
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jar/com/amazonaws/services/ec2/model/transform/InstancePrivateIpAddressStaxUnmarshaller.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/TagSpecification.java
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* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/InstanceNetworkInterfaceAttachment.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/RestoreAddressToClassicRequest.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/transform/ImportImageResultStaxUnmarshaller.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/transform/EnableVpcClassicLinkDnsSupportRequestMarshaller.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/ModifyNetworkInterfaceAttributeResult.java
* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/model/transform/CreateVpnGatewayRequestMarshaller.java

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* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1.jar/com/amazonaws/services/ec2/util/SecurityGroupUtils.java

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* /opt/cola/permits/1137623454_1614109446.5/0/aws-java-sdk-ec2-1-11-201-sources-1-
jar/com/amazonaws/services/ec2/model/transform/TimestampFormatRequestHandler.java
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*/
/**
 * <p>
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
 * can
 * be modified; it does not return information about other resource types.
 * </p>
 * <p>
 * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | 
 * <code>snapshot</code> | <code>volume</code>.
 * </p>
 * <p>
 * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
 * by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM
 users,
* regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.
* </p>
*
* @param describeIdFormatRequest
* Contains the parameters for DescribeIdFormat.
* @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
* @sample AmazonEC2Async.DescribeIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API Documentation</a>
*/
/**
* <p>Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: `<code>instance</code>` | `<code>reservation</code>` | `<code>snapshot</code>` | `<code>volume</code>`.
* </p>
* @param modifyIdFormatRequest
* Contains the parameters of ModifyIdFormat.
* @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2Async.ModifyIdFormat
* </p>
* Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.
* </p>
* @param modifyIdFormatRequest
* Contains the parameters of ModifyIdFormat.
* @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2Async.ModifyIdFormat
*/
1.158 tiger-types 1.4

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<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
<link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
<meta name="HandheldFriendly" content="true" />
<link rel="shortlink" href="/node/47" />
<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/CDDL-1.0" />
<meta name="MobileOptimized" content="width" />
<title>Common Development and Distribution License (CDDL-1.0) | Open Source Initiative</title>
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-fncB6ztZfd2hxqgxu4WO-qwma6Xer30m4.css" media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_4p37TiWeuzRfdymI_lPgCu6wEwSDhUquxUkHL7QnU.css" media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_MnXiytJtb186Ydycnpwpw34cuUsHaKc80ey5LiQXhSY.css" media="all" />
<link type="text/css" rel="stylesheet" href="/maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css" media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-3V9FM4wZ-5UDcp77Vzm45E.css" media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css" media="all" />
<!--[if (lt IE 9)]>
<link type="text/css" rel="stylesheet" href="https://opensource.org/sites/all/themes/bootstrap-business/css/ie8.css?ol0qr1" media="all" />
<![endif]-->
</head>
<body>

<!-- HTML5 element support for IE6-8 --
<!-[if lt IE 9]>
<script src="/html5shiv.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->
<script type="text/javascript" src="/sites/all/modules/jquery_update/replace/jquery/1.10/jquery-1.10.2.js"></script>
</body>
</html>
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}
</script></div>

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</article>  </div>
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</div>
</div>
<!-- EOF:#content-wrapper -->
</div>
<!-- EOF:#main -->
</section>
</div>
</div>
</div>
<!-- EOF:#main-content -->
</div>
<!-- EOF:#page -->
<footer id="subfooter" class="clearfix">
<div class="container">
<!-- #subfooter-inside -->
<div id="subfooter-inside" class="clearfix">
<div class="row">
<div class="col-md-12">
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</div>
</div>
</div>
</div>
</div>
</div>
</div>
</footer>
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* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/CheckModuleAdapter.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
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* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/Textifier.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/TraceModuleVisitor.java
* /opt/cola/permits/1135892376_1613626859.73/0/asm-util-7-1-sources-2-jar/org/objectweb/asm/util/ASMifier.java
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1.162 twisted 13.1.0

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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/annotation/PropertySource.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/cache/interceptor/CacheErrorHandler.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/scheduling/config/FixedDelayTask.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/export/assembly/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/support/SimpleValueWrapper.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/context/config/MBEANExportBeanDefinitionParser.java
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jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java
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jar/org/springframework/stereotype/Controller.java
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jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
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jar/org/springframework/remoting/support/RemoteAccessor.java
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jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
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jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
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jar/org/springframework/scheduling/stereotype/Service.java

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  jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
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  jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
  jar/org/springframework/context/Lifecycle.java
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  jar/org/springframework/validation/AbstractBindingResult.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
  jar/org/springframework/validation/MessageCodeFormatter.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
  jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
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 */
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/ui/context/HierarchicalThemeSource.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/ui/context/Theme.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/springframework/ui/context/support/UiApplicationContextUtils.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/springframework/validation/BindingErrorProcessor.java

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* Indicates that a component is only eligible for registration when all
  * [@linkplain #value specified conditions] match.
*<p>A <em>condition</em> is any state that can be determined programatically
  * before the bean definition is due to be registered (see [@link Condition] for details).
*<p>The [@code @Conditional] annotation may be used in any of the following ways:
  * <ul>
    * <li>as a type-level annotation on any class directly or indirectly annotated with
    * [@code @Component], including [@link Configuration @Configuration] classes</li>
    * <li>as a meta-annotation, for the purpose of composing custom stereotype
    * annotations</li>
    * <li>as a method-level annotation on any [@link Bean @Bean] method</li>
  * </ul>
*<p>If a [@code @Configuration] class is marked with [@code @Conditional],
  * all of the [@code @Bean] methods, [@link Import @Import] annotations, and
  * [@link ComponentScan @ComponentScan] annotations associated with that
  * class will be subject to the conditions.
*<p><strong>NOTE</strong>: Inheritance of [@code @Conditional] annotations
  * is not supported; any conditions from superclasses or from overridden
  * methods will not be considered. In order to enforce these semantics,
  * [@code @Conditional] itself is not declared as
  * [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
  * custom <em>composed annotation</em> that is meta-annotated with
  * [@code @Conditional] must not be declared as [@code @Inherited].
*<p>@author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
  jar/org/springframework/context/annotation/Conditional.java
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* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
* reference through WebSphere's proprietary {@code AdminServiceFactory} API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the {@code MBeanServer} for bean references.
*
* <p>This {@code FactoryBean} is a direct alternative to {@link MBeanServerFactoryBean},
* which uses standard JMX 1.2 API to access the platform's {@link MBeanServer}.
*
* <p>See the javadocs for WebSphere's
* and
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
  jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/validation/MapBindingResult.java

1.165 ncurses 5.9 14.20130511.el7_4
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1.166 zlib 1.2.8

1.166.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/PollSelectionKey.java
* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/PollSelector.java
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* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/NativeSelectorProvider.java
* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/KQSelectionKey.java
* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/NativeDeviceChannel.java
* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/NativeFileSelectorProvider.java
* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/NativeSelectableChannel.java
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* /opt/cola/permits/1266269353_1644001001.65/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/KQSelector.java

1.174 slf4j-log4j 1.7.25

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1.179 swagger 1.5.13
1.179.1 Available under license:

```java
package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.LinkedHashMap;
import java.util.Map;

public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getUrl() {
        return url;
    }

    public void setUrl(String url) {
        this.url = url;
    }

    @JsonAnyGetter
    public Map<String, Object> getVendorExtensions() {
        return vendorExtensions;
    }
```

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
    this.vendorExtensions = vendorExtensions;
}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((name == null) ? 0 : name.hashCode());
    result = prime * result + ((url == null) ? 0 : url.hashCode());
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
        return false;
    }
    if (url == null) {
        if (other.url != null) {
            return false;
        }
    } else if (!url.equals(other.url)) {
        return false;
    }
    return true;
}
package io.swagger.annotations;
import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

}
1.180 netty-handler 4.1.49.Final

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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1- jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1- jar/io/netty/handler/logging(LogLevel.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1- jar/io/netty/handler/stream/ChunkedFile.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1- jar/io/netty/handler/timeout/TimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/SslHandler.java
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/KeyManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/address/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java

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  jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
Files in the source code:
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/ocsp/package-info.java

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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/traffic/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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  jar/io/netty/handler/ssl/JdkSslServerContext.java
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  jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/SslUtils.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/OpenSsl.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/SniHandler.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/PemReader.java
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1.181 asm 2.5.0

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1.182 man-db 2.6.3 9.el7
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/FramePrinter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtMethod.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ByteArrayClassPath.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/Sample.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtArray.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/Executor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/SymbolTable.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ByteArrayClassPath.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/CodeAnalyzer.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/util/proxy/ProxyObject.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/Metalevel.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Keyword.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtNewConstructor.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtClass.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ClassPool.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/rmi/RemoteRef.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Proxy.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/EnclosingMethodAttribute.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/opcode/BadBytecode.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/rmi/AppletServer.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Opcode.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/AccessFlag.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/DoubleConst.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/Type.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Pair.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/MapMaker.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/ClassFileWriter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/ExprEditor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ct/ClassType.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/Expr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/ClassMetaobject.java

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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
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1.187 cavium-liquidio 3.1.2

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1.188 bcel 5.2
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1.189 jackson 2.9.10

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Name: ply
Version: 3.4
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description:

PLY is yet another implementation of lex and yacc for Python. Some notable
features include the fact that its implemented entirely in Python and it
uses LALR(1) parsing which is efficient and well suited for larger grammars.

PLY provides most of the standard lex/yacc features including support for empty
productions, precedence rules, error recovery, and support for ambiguous grammars.

PLY is extremely easy to use and provides very extensive error checking.
It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 2

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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex
and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
  If you know how to use these tools in C, you will find PLY
to be similar.

- PLY provides *very* extensive error reporting and diagnostic
  information to assist in parser construction. The original
  implementation was developed for instructional purposes. As
  a result, the system tries to identify the most common types
  of errors made by novice users.

- PLY provides full support for empty productions, error recovery,
  precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient,
  better suited to large grammars, and which has a number of nice
  properties when dealing with syntax errors and other parsing problems.
  Currently, PLY builds its parsing tables using the LALR(1)
  algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers.
  This greatly simplifies the task of parser construction since it reduces
  the number of files and eliminates the need to run a separate lex/yacc
tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
===========

PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```python
import lex
import yacc
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document.

Requirements
==============

PLY requires the use of Python 2.2 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
==========

More information about PLY can be obtained on the PLY webpage at:
http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book “Compilers : Principles, Techniques, and Tools” by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

A Google group for PLY can be found at

http://groups.google.com/group/ply-hack

Acknowledgments

A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.2 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# calc.py
#
# A simple calculator with variables.
#

tokens = ( 'NAME','NUMBER', 'PLUS','MINUS','TIMES','DIVIDE','EQUALS', 'LPAREN','RPAREN', )
```
# Tokens

t_PLUS    = r'\+'
t_MINUS   = r'-'
t_TIMES   = r'\*'  
t_DIVIDE  = r'/'  
t_EQUALS  = r'='  
t_LPAREN  = r'('  
t_RPAREN  = r')'  
t_NAME    = r'[a-zA-Z_][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r'd+'
    t.value = int(t.value)
    return t

# Ignored characters

t_ignore = " \t"

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
t.lexer.skip(1)

# Build the lexer

import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators

precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

# dictionary of names (for storing variables)
	names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

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def p_expression_binop(p):
    "expression : expression PLUS expression
                 | expression MINUS expression
                 | expression TIMES expression
                 | expression DIVIDE expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while 1:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

Bug Reports and Patches
=======================
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. To contact me about
bugs and/or new features, please send email to dave@dabeaz.com.

In addition there is a Google group for discussing PLY related issues at

http://groups.google.com/group/ply-hack

-- Dave

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
PCRE JUST-IN-TIME COMPILATION SUPPORT
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Written by:  Zoltan Herczeg
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### xwd utility

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includ/GL/glxext.h
includ/GL/wglxext.h :

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/* lib/font/fontfile/gunzip.c
   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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History:
Date Who What
28oct1999 dl Created
14dec1999 dl jmm snapshot
19apr2000 dl use barrierLock
12jan2001 dl public release
17nov2001 dl Minor tunings
20may2002 dl BarrierLock can now be serialized.
09dec2002 dl Fix interference checks.
*/

Found in path(s):
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/tree/ConcurrentReaderHashMap.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/ProcessingInstruction.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/swing/LeafTreeNode.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/XPath.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/util/IndexedElement.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/tree/DefaultAttribute.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/util/AttributeHelper.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/rule/NullAction.java
jar/org/dom4j/datatype/DatatypeAttribute.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/util/UserDataElement.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/io/ElementModifier.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/util/NonLazyDocumentFactory.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/dom/DOMAttributeNodeMap.java
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* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/dom/DOMComment.java
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-jar/org/dom4j/dom/DOMProcessingInstruction.java
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1.212 avahi 0.6.31 19.el7
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1.224 e2fsprogs 1.42.9
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    Index: tdbsa/tdb.c
    ====================================================================
    --- tdbsa.orig/tdb.c
    +++ tdbsa/tdb.c
    @@ -4,11 +4,11 @@ Rev: 23371
    Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
- Unix SMB/CIFS implementation.
  + trivial database library - standalone version

- trivial database library - private includes

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This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Theodore Ts'o
23-June-2007

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1.225 trousers 0.3.14 2.el7

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intset.py - Immutable integer set type

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* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/batch/JobLauncherCommandLineRunner.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveDataAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/data/redis/JedisConnectionConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerTemplateAvailabilityProvider.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/jsonb/JsonbAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/jersey/JerseyProperties.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/integration/package-info.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/validation/package-info.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
jar/org/springframework/boot/autoconfigure/web/services/OnWsdlLocationsCondition.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2
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Open Source Used In NFVIS Branch Virtualization 4.6.2  2709

jar/org/springframework/boot/autoconfigure/transaction/jta/JtaProperties.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/data/redis/RedisConnectionConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/condition/OnExpressionCondition.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/domain/EntityScan.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/web/reactive/ReactiveWebServerFactoryConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/mongo/MongoAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/batch/JobExecutionExitCodeGenerator.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/AutoConfigurationImportFilter.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraRepositoriesAutoConfigureRegistrar.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/bootstrap/autoconfigure/hazelcast/HazelcastInstanceFactory.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/websocket/servlet/JettyWebSocketServletWebServerCustomizer.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/webservices/package-info.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/data/couchbase/SpringBootCouchbaseDataConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/liquibase/LiquibaseAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/jmx/JmxAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/security/oauth2/client/OAuth2ClientPropertiesRegistrationAdapter.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/web/reactive/function/client/ClientHttpConnectorConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jRepositoriesAutoConfiguration.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-
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<th>Path</th>
</tr>
</thead>
<tbody>
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<td>* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-jar/org/springframework/boot/autoconfigure/AutoConfigurationImportListener.java</td>
</tr>
</tbody>
</table>
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* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-jar/org/springframework/boot/autoconfigure/flyway/FlywayDataSource.java
* /opt/cola/permits/1137623225_1614109455.62/0/spring-boot-autoconfigure-2-1-11-release-sources-2-jar/org/springframework/boot/autoconfigure/session/NonUniqueSessionRepositoryException.java
1.229 lvm2 2.02.97

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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/document/DocumentType.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/tree/ContentListFacade.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/AbstractEntity.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j-2-1-3-sources-jar/org/dom4j/NodeFilter.java
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1.243 hibernate-validator-annotation-processor 5.2.1.Final

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Ben Ellistonbje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.):
early prototype routines.
Ross Johnson rpj at callisto dot canberra dot edu dot au
early prototype routines;
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.
Robert Colquhoun rjc at trump dot net dot au
Early bug fixes.
John E. Bossom John dot Bosom at cognos dot com
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.
Anders Norlander anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported
Win32 routines.
Tor Lillqvist tml at iki dot fi
General enhancements;
early bug fixes to condition variables.
Scott Lightner scott at curriculum dot com
Bug fix.
Kevin Ruland Kevin dot Ruland at anheuser-busch dot com
Various bug fixes.
Mike Russomiker rsl at eai dot com
Bug fix.
Mark E. Armstrong avail at pacbell dot net
Bug fixes.
Lorin Hochstein lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.
Peter Slacik Peter dot Slacik at tatamed dot sk
Bug fixes.
Mumit Khan khan at xraylith dot wisc dot edu
Fixes to work with Mingw32.
Milan Gardian mg at tatamed dot sk
Bug fixes and reports/analyses of obscure problems.
Aurelio Medina aureliom at crt dot com
First implementation of read-write locks.
Graham Dumpleton Graham dot Dumpleton at ra dot pad dot otc dot telstra dot com dot au
Bug fix in condition variables.
Tristan Savatier tristan at mpegtv dot com
WinCE port.
Erik Hensemaerik at hensema dot xs4all dot nl
Bug fixes.
Rich Peters peters at micro-magic dot com
Todd Owen towen at lucidcalm dot dropbear dot id dot au
Bug fixes to dll loading.
Jason Nye
jnye at nbnet dot nb dot ca
Implementation of async cancelation.
Fred Forester
fforest at eticomm dot net
Kevin D. Clark
kclark at cabletron dot com
David Baggett
dmb at itasoftware dot com
Bug fixes.
Paul Redondo
paul at matchvision dot com
Scott McCaskill
scott at 3dfx dot com
Bug fixes.
Jef Gearhart
jgearhart at tpssys dot com
Bug fix.
Arthur Kantor
akantor at bexusa dot com
Mutex enhancements.
Steven Reddies
smr at essemer dot com dot au
Bug fix.
Alexander Terekhov
TEREKHOV at de dot ibm dot com
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfaff
tpfaff at gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bez
franco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomas
lthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korn
dgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.
phil at hawksoft dot com
Bug fix.
Ralf Brese
Ralf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at juno dot com prionx at juno dot com
Bug fixes.
Max Woodbury
mtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fannerrfanner at stonethree dot com
Bug fix.
Michael Johnson michaelj at maine dot rr dot com
Bug fix.
Nicolas Barryboozai at yahoo dot com
Bug fixes.
Piet van Bruggenpietvb at newbridges dot nl
Bug fix.
Makoto Katoraven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which
makes preemptive async cancelation possible.
Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Freregottlobfrege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Kliatchkovladimir at kliatchko dot com
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
2015
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $<\n| sed \"s/\(^.*\)\.o\[ :\]*/\1.o $@ : /g\" > $@;\n[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $<\n| sed \"s/\(^.*\)\.o\[ :\]*/\1.o $@ : /g\" > $@;\n[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'

STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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1.251 diffutils 3.3-5.el7

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jar/org/hibernate/validator/internal/engine/valueextraction/ShortArrayValueExtractor.java
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jar/org/hibernate/validator/internal/engine/valueextraction/OptionalLongValueExtractor.java
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- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/cfg/context/package-info.java
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- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForNumber.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfChar.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForBigInteger.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/engine/groups/package-info.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/ExecutableHelper.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/sign/NegativeValidatorForShort.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/size/SizeValidatorForCharSequence.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForBigDecimal.java
- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/size/SizeValidatorForCharSequence.java
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- /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validation/internal/constraintvalidators/bv/size/SizeValidatorForCharSequence.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/util/privilegedactions/ConstructorInstance.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForHijrahDate.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForZonedDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForYear.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/spi/scripting/ScriptEvaluatorNotFoundException.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckBase.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/constraints/UniqueElements.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/cfg/defs/LuhnCheckDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCollection.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCollection.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCollection.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/annotation/AnnotationProxy.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/constraints/br/CPF.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/package-info.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForBigDecimal.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/spi/group/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/ConstraintValidation/HibernateConstraintValidatorInitializationContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForBigInteger.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
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jar/org/hibernate/validator/internal/constraintvalidators/hv/AbstractScriptAssertValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDate.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/DecimalMinValidatorForCharSequence.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForCharSequence.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/conf/context/ConfiguredConstraint.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/xml/XmlParserHelper.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/resolver/TraverseAllTraversableResolver.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/overview.html

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Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/hibernate-validator/overview.html
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.0.xsd

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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */
<p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> JSR 223</p>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * {link javax.validation.ParameterNameProvider}. By default, {code arg0}, {code arg1} etc.
 * will be used as parameter names.
 */
<p>
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 */
<pre>
 {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
 public void createEvent(Date start, Date end) { ... } }
</pre>
<p>
 * Can be specified on any method or constructor.
 */
<p>
 * @author Gunnar Morling
 */

Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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*/
/ *
/ **
/ * Retrieves constraint related meta data for the parameters of the given
/ * executable.
/ *
/ * @param executable The executable of interest.
/ *
/ * @return A list with parameter meta data for the given executable.
/ */

Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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1.266 jsr250-api 1.0

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1.267 containerd-console 1.0.0

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1.268 tomcat-embed-el 9.0.29

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1.271 tcp-wrappers 7.6 77.el7

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GEN_DEPS.c=$CC -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$CXX -E -MM $(DEFS) $(CPPFLAGS)

### Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

### Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

### Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

### Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

### Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

### Shared object suffix
SO = so
### Non-shared intermediate object suffix
STATIC_O = ao

### Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLAGS) -o $(STATICCPPFLA
'$(COMPILE.c)$ $(DYNAMICCPPFLAGS)$ $(DYNAMICCCFLAGS)$ -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN\_DEPS\.c\) $< \n| sed "\s\(\*\)\(.*o\)\([:\]\)\{.*\}\: /g\" > $@;\n [ -s $@ ] || rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN\_DEPS\.cc\) $< \n| sed "\s\(\*\)\(.*o\)\([:\]\)\{.*\}\: /g\" > $@;\n [ -s $@ ] || rm -f $@

## Versioned libraries rules
%.$(SO).$(SO\_TARGET\_VERSION\_MAJOR): %.$(SO).$(SO\_TARGET\_VERSION)
$(RM) $@ && ln -s $\{<F\} $@
%.$(SO): %.$(SO).$(SO\_TARGET\_VERSION\_MAJOR)
$(RM) $@ && ln -s $\{*F\}.$(SO).$(SO\_TARGET\_VERSION) $@

## End FreeBSD-specific setup

1.278 mesa 17.2.3 8.20171019.el7
1.278.1 Available under license:
/* Legal characters in GLSL are: */
/* Identifier characters: */
/*     Letters a-z */
/*     Letters A-Z */
/*     Underscore */
/*     Numbers 0-9 */
/* Punctuation: */
/*     Period, plus, dash, slash, asterisk, percent, angled brackets, */
/*     square brackets, parentheses, braces, caret, vertical bar, */
/*     ampersand, tilde, equals, exclamation point, colon, semicolon, */
/*     comma, and question mark */
/* Special: */
/*     Number sign (as used in preprocessor) */
/*     Backslash just before newline as line continuation */
/* White space: */
/*     Space, horizontal tab, vertical tab, form feed, carriage-return, */
/*     and line-feed. */
/* [GLSL Language Specification 4.30.6, section 3.1] */
/* In this file, we test each of these in turn as follows: */
/* Identifier characters: All pass through unchanged */
/* Punctuation: All pass through unchanged */
Special: Empty directive replaced with blank line
  Line continuation merges two lines, then a blank line
Whitespace: 4 horizontal space characters each replaced with space
  2 newline characters each replaced with a newline
*/
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKMLNOPQRSTUVWXYZ
_0123456789
-+
-/ *
% < 
> [ ] ( ) { } ^ & ~ = ! : ; , ? 
# \
.
\.
.. ...
-- ...
-- ...
-- ...
-- ...
-- ...
# (C) Copyright IBM Corporation 2004
# All Rights Reserved.
#
# Permission is hereby granted, free of charge, to any person obtaining a
Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
Yes to both questions.

Thanks,
Jorge

---

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

---
Fedora Project

Subject: RE: Question about Mesa MLAA license
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*   Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR
- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>
<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>

<iframe src="contents.html"></iframe>

<div class="content">
<h1>Disclaimer</h1>
<p>
Mesa is a 3-D graphics library with an API which is very similar to that of <a href="https://www.opengl.org/">OpenGL</a>.* To the extent that Mesa utilizes the OpenGL command syntax or state machine, it is being used with authorization from <a href="https://www.sgi.com/">Silicon Graphics, Inc.</a>(SGI). However, the author does not possess an OpenGL license from SGI, and makes no claim that Mesa is in any way a compatible replacement for OpenGL or associated with SGI. Those who want a licensed implementation of OpenGL should contact a licensed vendor.
</p>
</div>

---
Open Source Used In NFVIS Branch Virtualization 4.6.2 3110
Please do not refer to the library as <em>MesaGL</em> (for legal reasons). It's just <em>Mesa</em> or <em>The Mesa 3-D graphics library</em>. <br>


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<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
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</thead>
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<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>include/GL/glext.h</td>
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<td></td>
<td>include/GL/glxext.h</td>
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<td>include/c11/threads*.h</td>
<td>Boost (permissive)</td>
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<td>emulation</td>
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</table>

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TypeAdapters.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/DefaultDateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonNull.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldNamingPolicy.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Until.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/ObjectConstructor.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/Gson.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonParseException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonDeserializer.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Primitives.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/UnsafeAllocator.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TreeTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/ConstructorConstructor.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TimeTypeAdapter.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Streams.java
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# Get modification time of a file or directory and pretty-print it.

scriptversion=2010-08-21.06; # UTC

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1.287 net-snmp 5.7.2

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- javaee_web_services_client_1_3.xsd
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- jsp_2_2.xsd
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  jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
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  jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
  jar/org/springframework/web/servlet/ViewResolver.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
  jar/org/springframework/web/servlet/support/BindStatus.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
  jar/org/springframework/web/servlet/tags/MessageTag.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
  jar/org/springframework/web/view/xml/MarshallingView.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/tags/TextareaTag.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/view/BeanNameViewResolver.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/handler/SimpleMappingExceptionResolver.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfigurer.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/tags/ParamTag.java

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 */
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * [ @link #locateSource detected] during response rendering. Users can either specify
 * a specific entry in the model via the [ @link #setSourceKey sourceKey] property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See [ @link #getSourceTypes() here]
 * for more details.
 */
All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure [#link #setOutputProperties output properties] to be passed to the Transformer.

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jar/org/springframework/web/servlet/view/tiles3/SpringBeanPreparerFactory.java
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jar/org/springframework/web/servlet/mvc/SimpleControllerHandlerAdapter.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
jar/org/springframework/web/servlet/view/tiles3/AbstractSpringPreparerFactory.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
jar/org/springframework/web/servlet/config/annotation/MvcUriComponentsBuilder.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
jar/org/springframework/web/servlet/config/annotation/ContentNegotiationConfigurer.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistry.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/function/RouterFunctionBuilder.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/function/RouterFunctionBuilder.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/mvc/condition/RequestConditionHolder.java
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THE BASIC LIBRARY FUNCTIONS
-----------------------------

Written by: Philip Hazel
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Email domain: cam.ac.uk

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PCRE JUST-IN-TIME COMPILATION SUPPORT
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1.305 expat 2.1.0 10.el7_3

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lib/snprintf.c, lib/snprintf.h:

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------------------------------------------------------------------------------
tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.
Version: 1.1.2
Entered-date: 23MAR97
Description: C-functions for parsing command line options, both
    traditional one-character options, and GNU'ish
    --long-options.
Keywords: programming, library, lib, commandline, options
Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)
Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/
Alternate-site: sunsite.unc.edu/pub/Linux/libs
    shhopt-1.1.2.tar.gz
Platforms: Requires ANSI C-compiler.
Copying-policy: BeerWare: If you have the time and money, send me a bottle
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Version 2.1, February 1999

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That's all there is to it!

*uganda.txt* For Vim version 8.2. Last change: 2020 Jan 08

VIM REFERENCE MANUAL by Bram Moolenaar

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- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

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3) A message must be added, at least in the output of the "\:version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

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- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical
care and schooling is beyond its reach. To help these needy children, a
sponsorship program was put into place. A child can be financially adopted.
For a few dollars a month KCC sees to it that the child gets indispensable
items, is healthy, goes to school and KCC takes care of anything else that
needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up
needs to be improved. KCC helps schools to improve their teaching methods.
There is a demonstration school at the centre and teacher trainings are given.
Health workers are being trained, hygiene education is carried out and
households are stimulated to build a proper latrine. I helped setting up a
production site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a small clinic at the project, which provides children and their
family with medical help. When needed, transport to a hospital is offered.
Immunization programs are carried out and help is provided when an epidemic is
breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a
volunteer. I have helped to expand the centre and worked in the area of water
and sanitation. I learned that the help that the KCC provides really helps.
When I came back to Holland, I wanted to continue supporting KCC. To do this
I'm raising funds and organizing the sponsorship program. Please consider one
of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are
very low. This is because the money goes directly to the centre. Less than
5% is used for administration. This is possible because this is a small
organization that works with volunteers. If you would like to sponsor a
child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my
personal guarantee as the author of Vim. I trust the people that are working
at the centre, I know them personally. Furthermore, the centre has been
co-sponsored and inspected by World Vision, Save the Children Fund and is now
under the supervision of Pacific Academy Outreach Society. The centre is
visited about once a year to check the progress (at our own cost). I have
visited the centre myself many times, starting in 1993. The visit reports are
on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.
The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:


The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
  Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterrietihof 1
8134 Adliswil
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* /opt/ws_local/PERMITS_SQL/1068232293_1594320747.73/0/netty-resolver-4-1-49-final-sources-1-
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1.314 decorator 3.4.0

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Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py

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try:
    from setuptools import setup
except ImportError:
    from distutils.core import setup
import os.path

def getversion(fname):
    """Get the __version__ reading the file: works both in Python 2.X and 3.X,
    whereas direct importing would break in Python 3.X with a syntax error""
    for line in open(fname):
        if line.startswith('__version__'):
            return eval(line[13:])
    raise NameError('Missing __version__ in decorator.py')

VERSION = getversion(
    os.path.join(os.path.dirname(__file__), 'src/decorator.py'))

if __name__ == '__main__':
    setup(name='decorator',
          version=VERSION,
          description='Better living through Python with decorators',
          long_description=open('README.txt').read(),
          author='Michele Simionato',
          author_email='michele.simionato@gmail.com',
          url='http://pypi.python.org/pypi/decorator',
          ...
Found in path(s):
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Decorator module
=================

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license

Installation
------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute_project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.
Testing
--------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.

Documentation
-------------

There are various versions of the documentation:

- `HTML version (Python 2)`
- `PDF version (Python 2)`

- `HTML version (Python 3)`
- `PDF version (Python 3)`


Repository
-----------
The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt

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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

Installation

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/
Testing
--------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

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Documentation
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- `HTML version (Python 2)`_
- `PDF version (Python 2)`_
- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
-----------

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Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
Classifier: Operating System :: OS Independent
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Classifier: Topic :: Utilities

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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/documentation3.py

1.315 libnl3 1.1.4 3.el7
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1.320 jackson 2.10.3
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1.322 commons-compress 1.18

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

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  jar/org/apache/tomcat/util/http/LocalStrings.properties
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-
  jar/org/apache/tomcat/util/mapper/LocalStrings.properties
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/fileupload/disk/DiskFileItem.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/fileupload/FileUploadBase.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/net/NioSelectorPool.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/http/parser/HttpParser.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/compat/JreVendor.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/codec/BinaryDecoder.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/ThresholdingOutputStream.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/disk/DiskFileItemFactory.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/MultipartStream.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/codec/Decoder.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/threads/ThreadPoolExecutor.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/util/FileItemHeadersImpl.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/FileItem.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/FileItemHeaders.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/FileUtils.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/UploadContext.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/DeferredFileOutputStream.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/FileItemFactory.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/ProgressListener.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/mapper/WrapperMappingInfo.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/InvalidFileNameException.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/modules/ModelerSource.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/modules/MbeansSource.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/ScopedRequestContext.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/buf/Utf8Encoder.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/codec/DecoderException.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/progress/package-info.java

* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/http/fileupload/progress/ProgressListener.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/Digester.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/BaseAttributeFilter.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/ArrayStack.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/WithDefaultsRulesWrapper.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/Rule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/modules/MbeansDescriptorsIntrospectionSource.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/XercesParser.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/SetTopRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/FactoryCreateRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/CallMethodRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/SetPropertiesRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/PathCallParamRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/RuleSet.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/RuleSetBase.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/ParameterInfo.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/Rule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/RulesBase.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/RegistryMBean.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/ParserFeatureSetterFactory.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/Registry.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/BaseModelMBean.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/Rules.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/ManagedBean.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/BaseModelMBean.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/RulesBase.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/ManagedBean.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/modules/MbeansDescriptorsDigesterSource.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/BaseUrlNotificationBroadcaster.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/SetPropertiesRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/SetRootRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/AttributeInfo.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/digester/CallMethodRule.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/modeler/CallMethodRule.java

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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/EnumElementValue.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/ConstantPool.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/ConstantDouble.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/Constant.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/ConstantClass.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/tomcat/util/bcel/classfile/SimpleElementValue.java
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/*
 * Callback to trigger Tomcat's proprietary HTTP upgrade process.
 */

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* /opt/cola/permits/1137623719_1614109142.870/tomcat-coyote-7-0-76-sources-1.jar/org/apache/coyote/ActionCode.java
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*/
/**
 * Listener to which data available events are passed once the associated
 * connection has completed the proprietary Tomcat HTTP upgrade process.
 *
 * @deprecated Will be removed in Tomcat 8.0.x.
 */

Found in path(s):
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-jar/org/apache/coyote/http11/AbstractHttp11Processor.java
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/coyote/http11/upgrade/servlet31/WebConnection.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/coyote/http11/upgrade/servlet31/HttpUpgradeHandler.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/threads/StopPooledThreadException.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/tomcat/util/collections/ConcurrentCache.java
* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1.jar/org/apache/coyote/http11/upgrade/servlet31/ReadListener.java

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 */
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* /opt/cola/permits/1137623719_1614109142.87/0/tomcat-coyote-7-0-76-sources-1-
  jar/org/apache/coyote/http11/NioProtocol.java
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself. ^L

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.328 procps 3.3.10

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 */
package java.security;

import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException {
    }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>. For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

<ul>
  <li>Set the metadata of the new text to the metadata of the first character replaced</li>
</ul>
<li>If no characters are replaced, use the metadata of the previous character</li>
<li>If there is no previous character (i.e. start == 0), use the following character</li>
<li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
<li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>
If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

```
ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.
```

<p>Note: This class does not support attributes and is not intended for general use. Most clients will need to implement { @link Replaceable } in their text representation class.</p>

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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JUnit

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In a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any
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1.332 tomcat-annotations-api 9.0.29

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// This file was generated by gir (https://github.com/gtk-rs/gir)
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use gio_sys;
use glib;
use glib::object::Cast;
use glib::object::IsA;
use glib::signal::connect_raw;
use glib::signal::SignalHandlerId;
use glib::translate::*;
use glib_sys;
use gobject_sys;
use std::boxed::Box as Box;
use std::fmt;
use std::mem::transmute;
use std::pin::Pin;
use std::ptr;
use Cancellable;

glib_wrapper! {
    pub struct Permission(Object<gio_sys::GPermission, gio_sys::GPermissionClass, PermissionClass>);

    match fn {
        get_type => || gio_sys::g_permission_get_type(),
    }
}

pub const NONE_PERMISSION: Option<&Permission> = None;

pub trait PermissionExt: 'static {
    fn acquire<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), glib::Error>;

    fn acquire_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), glib::Error>) + Send + 'static>(

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fn acquire_async_future(
    &self,
) -> Pin<Box<dyn std::future::Future<Output = Result<(), glib::Error>> + 'static>>;

fn get_allowed(&self) -> bool;
fn get_can_acquire(&self) -> bool;
fn get_can_release(&self) -> bool;
fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool);
fn release<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), glib::Error>;
fn release_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), glib::Error>) + Send + 'static>
  (&self, cancellable: Option<&P>, callback: Q);
fn release_async_future(&self, ) -> Pin<Box<dyn std::future::Future<Output = Result<(), glib::Error>> + 'static>>;
fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

impl<O: IsA<Permission>> PermissionExt for O {
    fn acquire<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), glib::Error> {
        unsafe {
            let mut error = ptr::null_mut();
            let _ = gio_sys::g_permission_acquire(
                self.as_ref().to_glib_none().0,
                cancellable.map(|p| p.as_ref().to_glib_none().0),
                &mut error,
            );
            if error.is_null() {
                Ok(())
            } else {
                Err(glib::Error::from_gerror(error))
            }
        }
    }
}
fn acquire_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), glib::Error>) + Send + 'static>(
    &self,
    cancellable: Option<&P>,
    callback: Q,
) {
    let user_data: Box_<Q> = Box::new(callback);
    unsafe extern "C" fn acquire_async_trampoline<
        Q: FnOnce(Result<(), glib::Error>) + Send + 'static,
    >(
        _source_object: *mut gobject_sys::GObject,
        res: *mut gio_sys::GAsyncResult,
        user_data: glib_sys::gpointer,
    ) {
        let mut error = ptr::null_mut();
        let _ = gio_sys::g_permission_acquire_finish(_source_object as *mut _, res, &mut error);
        let result = if error.is_null() {
            Ok(()
        } else {
            Err(from_glib_full(error))
        };
        let callback: Box_<Q> = Box::from_raw(user_data as *mut _);
        callback(result);
    }
    let callback = acquire_async_trampoline::<Q>;
    unsafe {
        gio_sys::g_permission_acquire_async(
            self.as_ref().to_glib_none().0,
            cancellable.map(p | p.as_ref()).to_glib_none().0,
            Some(callback),
            Box_.into_raw(user_data) as *mut _,
        );
    }
}

fn acquire_async_future(
    &self,
) -> Pin<Box_<dyn std::future::Future<Output = Result<(), glib::Error>> + 'static>> {
    Box::<pin(crate::GioFuture::new(self, move |obj, send| {
        let cancellable = Cancellable::new();
        obj.acquire_async(Some(&cancellable), move |res| {
            send.resolve(res);
        });
    })
};
fn get_allowed(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_allowed(
            self.as_ref().to_glib_none().0,
        ))
    }
}

fn get_can_acquire(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_can_acquire(
            self.as_ref().to_glib_none().0,
        ))
    }
}

fn get_can_release(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_can_release(
            self.as_ref().to_glib_none().0,
        ))
    }
}

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool) {
    unsafe {
        gio_sys::g_permission_impl_update(
            self.as_ref().to_glib_none().0,
            allowed.to_glib(),
            can_acquire.to_glib(),
            can_release.to_glib(),
        );
    }
}

fn release<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), glib::Error> {
    unsafe {
        let mut error = ptr::null_mut();
        let _ = gio_sys::g_permission_release(
            self.as_ref().to_glib_none().0,
            cancellable.map(|p| p.as_ref()).to_glib_none().0,
            &mut error,
        );
        if error.is_null() {
            return Ok(());
        }
    }

fn release_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), glib::Error>) + Send + 'static>(
    &self,
    cancellable: Option<&P>,
    callback: Q,
) {
    let user_data: Box_<Q> = Box_::new(callback);
    unsafe extern "C" fn release_async_trampoline(<
        Q: FnOnce(Result<(), glib::Error>) + Send + 'static,>
    )(source_object: *mut gobject_sys::GObject,
        res: *mut gio_sys::GAsyncResult,
        user_data: glib_sys::gpointer,
    ) {
        let mut error = ptr::null_mut();
        let _ = gio_sys::g_permission_release_finish(source_object as *mut _, res, &mut error);
        let result = if error.is_null() {
            Ok(())
        } else {
            Err(from_glib_full(error))
        };
        let callback: Box_<Q> = Box_::from_raw(user_data as *mut _);
        callback(result);
    }
    let callback = release_async_trampoline::<Q>;
    unsafe {
        gio_sys::g_permission_release_async(
            self.as_ref().to_glib_none().0,
            cancellable.map(|p| p.as_ref()).to_glib_none().0,
            Some(callback),
            Box_::into_raw(user_data as *mut _),
        );
    }
}

fn release_async_future(
    &self,
) -> Pin<Box<dyn std::future::Future<Output = Result<(), glib::Error>> + 'static>> {
    Box_::pin(crate::GioFuture::new(self, move |obj, send| {
        let cancellable = Cancellable::new();
        obj.release_async(Some(&cancellable), move |res| {
            send.resolve(res);
        });
    }));
}
fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe extern "C" fn notify_allowed_trampoline<P, F: Fn(&P) + 'static>(
        this: *mut gio_sys::GPermission,
        _param_spec: glib_sys::gpointer,
        f: glib_sys::gpointer,
    ) where
        P: IsA<Permission>,
    {
        let f: &F = &*(f as *const F);
        f(&Permission::from_glib_borrow(this).unsafe_cast())
    }
    unsafe {
        let f: Box_<F> = Box_::new(f);
        connect_raw(
            self.as_ptr() as *mut _,
            b"notify::allowed\0".as_ptr() as *const _,
            Some(transmute(notify_allowed_trampoline::<Self, F> as usize)),
            Box_::into_raw(f),
        )
    }
}

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe extern "C" fn notify_can_acquire_trampoline<P, F: Fn(&P) + 'static>(
        this: *mut gio_sys::GPermission,
        _param_spec: glib_sys::gpointer,
        f: glib_sys::gpointer,
    ) where
        P: IsA<Permission>,
    {
        let f: &F = &*(f as *const F);
        f(&Permission::from_glib_borrow(this).unsafe_cast())
    }
    unsafe {
        let f: Box_<F> = Box_::new(f);
        connect_raw(
            self.as_ptr() as *mut _,
            b"notify::can-acquire\0".as_ptr() as *const _,
            Some(transmute(notify_can_acquire_trampoline::<Self, F> as usize)),
            Box_::into_raw(f),
        )
    }
}
fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {  unsafe extern "C" fn notify_can_release_trampoline<P, F: Fn(&P) + 'static>(  this: *mut gio_sys::GPermission,  _param_spec: glib_sys::gpointer,  f: glib_sys::gpointer,  ) where  P: IsA<Permission>,  {  let f: &F = &*(f as *const F);  f(&Permission::from_glib_borrow(this).unsafe_cast())  }

unsafe {  let f: Box_<F> = Box_::new(f);  connect_raw(  self.as_ptr() as *mut _,  b"notify::can-release\0".as_ptr() as *const _,  Some(transmute(notify_can_release_trampoline::<Self, F> as usize)),  Box_::into_raw(f),  )
}

impl fmt::Display for Permission {  fn fmt(&self, f: &mut fmt::Formatter) -> fmt::Result {  write!(f, "Permission")  }
}

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1.340 busybox 1.22.1

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Julian Seward, Cambridge, UK.
jseward@bzip.org
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# update-license

This is a small tool that updates the license header for Uber's open source Golang files.

## Installation

```bash
    go get go.uber.org/tools/update-license
```

## Usage

```bash
    update-license go_files...
```

## Further Work

* Support more licenses by name (MIT, Apache 2.0, etc), file path, url (http GET)
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tomb - support for clean goroutine termination in Go.

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package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"`
// If set, an identifier that should be used to lock the license to a
// particular site, cluster, etc.
InstallationID string `json:"installation_id"

// The time at which the license was issued
IssueTime time.Time `json:"issue_time"

// The time at which the license starts being valid
StartTime time.Time `json:"start_time"

// The time after which the license expires
ExpirationTime time.Time `json:"expiration_time"

// The time at which the license ceases to function and can
// no longer be used in any capacity
TerminationTime time.Time `json:"termination_time"

// The product the license is valid for
Product string `json:"product"

// License Specific Flags
Flags map[string]interface{} `json:"flags"

// List of features enabled by the license
Features []string `json:"features"

}

type LicenseReply struct {
Valid    bool
License  *License
Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
var reply LicenseReply
if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
return nil, err
} else {
return &reply, nil
}
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
req := op.c.newRequest("GET", "/v1/operator/license")
req.params.Set("signed", "1")
req.setQueryOptions(q)
_, resp, err := requireOK(op.c.doRequest(req))
if err != nil {

return "", err
}
defer resp.Body.Close()

data, err := ioutil.ReadAll(resp.Body)
if err != nil {
    return "", err
}

return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
Data model artifacts for Prometheus.
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import (   "encoding/json"

   "github.com/go-openapi/swag"
 )
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject

type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object

type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

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* golang.org/x/mod/module - https://github.com/golang/mod

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* golang.org/x/tools/go/analysis - https://github.com/golang/tools

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Gocheck - A rich testing framework for Go

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goproperties - properties file decoder for Go

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/core/userdetails/MapReactiveUserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/authorization/AuthorizationDecision.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/authentication/ReactiveAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/authorization/ReactiveAuthorizationManager.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/crypto/password/Md4.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/springframework/security/core/context/ReactiveSecurityContextHolder.java

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/cryptopassword/Encoder.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/cryptopassword/PasswordEncoder.java

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jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
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jar/org/springframework/security/jackson2/UserMixin.java
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jar/org/springframework/security/jackson2/CoreJackson2Module.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/jackson2/AnonymousAuthenticationTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
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*/
/**
* A token issued by [@link TokenService].
* 
* <p>
* It is important that the keys assigned to tokens are sufficiently randomised and
* secured that they can serve as identifying a unique user session. Implementations of
* [@link TokenService] are free to use encryption or encoding strategies of their choice.
* It is strongly recommended that keys are of sufficient length to balance safety against
* persistence cost. In relation to persistence cost, it is strongly recommended that
* returned keys are small enough for encoding in a cookie.
* </p>
* 
* @author Ben Alex
* @since 2.0.1
*/

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
  jar/org/springframework/security/authentication/event/AuthenticationFailureCredentialsExpiredEvent.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
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  jar/org/springframework/security/core/userdetails/userdetails/UserDetails.java
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  jar/org/springframework/security/access/intercept/aspectj/AspectJCallback.java
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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/userdetails/User.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureDisabledEvent.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
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jar/org/springframework/security/core/userdetails/memory/UserAttribute.java
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jar/org/springframework/security/access/ConfigAttribute.java
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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/session/SessionInformation.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/AuthenticationSuccessEvent.java
Reviews the <code>Object</code> returned from a secure object invocation, being able to modify the <code>Object</code> or throw an [@link AccessDeniedException].

Typically used to ensure the principal is permitted to access the domain object instance returned by a service layer bean. Can also be used to mutate the domain object instance so the principal is only able to access authorised bean properties or <code>Collection</code> elements.

Special consideration should be given to using an <code>AfterInvocationManager</code> on bean methods that modify a database. Typically an <code>AfterInvocationManager</code> is used with read-only methods, such as <code>public DomainObject getById(id)</code>. If used with methods that modify a database, a transaction manager should be used to ensure any <code>AccessDeniedException</code> will cause a rollback of the changes made by the transaction.

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/ProviderManager.java
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jar/org/springframework/security/concurrent/DelegatingSecurityContextRunnable.java
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 */
/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be
 * checked. May be null in which case implementations should return false, as the null
 * condition can be checked explicitly in the expression.
 * @param permission a representation of the permission object as supplied by the
 * expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

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*/
/**
* Base64 encoder which is a reduced version of Robert Harder's public domain
* implementation (version 2.3.7). See <a
* href="http://iharder.sourceforge.net/current/java/base64/">http://iharder.sourceforge.net/current/java/base64/</a>
* for more information.
* <p>
* For internal use only.
*
* @author Luke Taylor
* @since 3.0
* @deprecated Use java.util.Base64
*/

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/core/annotation/AuthenticationPrincipal.java
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*/
/**
* Determines if the {link getAuthentication()} has permission to access the target
* given the permission
* @param target the target domain object to check permission on
* @param permission the permission to check on the domain object (i.e. "read",
* "write", etc).
* @return true if permission is granted to the {link getAuthentication()}, else
* false
*/

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1.347 swagger-jersey2-jaxrs 1.5.16

1.348 jersey-common 2.25.1
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1.349 paramiko 2.1.1
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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.sessions."
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
public abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }

    public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

    /**
     * By default use the buildClone.
     */
    public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
        return buildClone(domainObject, session);
    }

    /**
     * By default create a new instance.
     */
    public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
            UnitOfWork uow) throws DescriptorException {
        return this.descriptor.getObjectBuilder().buildNewInstance();
    }

    /**
     * INTERNAL:
     * Clones the CopyPolicy
     */
    public Object clone() {
        try {
            // clones itself
            return super.clone();
        } catch (Exception exception) {
        }
        return null;
    }

    /**
     * Return the descriptor.
     */
    protected ClassDescriptor getDescriptor() {
        return descriptor;
    }

    /**
     * Do nothing by default.
     */
public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */
public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy when weaving is used.
 * It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
 */
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {
        super();
    }

    public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public Object buildClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }
}
public boolean buildsNewInstance() {
    return false;
}

public String toString() {
    return Helper.getShortClassName(this) + "()";
}
}
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/* which accompanies this distribution.
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/* Oracle - initial API and implementation from Oracle TopLink
******************************************************************************/
package org.eclipse.persistence.descriptors.copying;

import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/***************************************************************************/
/**
* Purpose: Allows a clone of an object to be created with a method that returns
* the cloned object.
* It is possible to define methods for two types of clones
* 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
* own internal use. The objects created by this method will not be visible to the user, and
* instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
* also be in place of the workingCopyMethod if it is not provided
* 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
*/
public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
    protected transient Method workingCopyMethod;

    public CloneCopyPolicy() {
        super();
    }

    /**
     * Clone through calling the clone method.
     */
    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() == null) {
            return getDescriptor().getObjectBuilder().buildNewInstance();
        }
        try {
            if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()) {
                try {
                    return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject, new Object[0]));
                } catch (PrivilegedActionException exception) {
                    Exception throwableException = exception.getException();
                    if (throwableException instanceof IllegalAccessException) {
                        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                                this.getDescriptor(), throwableException);
                    } else {
                        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                                this.getDescriptor(), throwableException);
                    }
                }
            } else {
                throw PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
            }
        } catch (IllegalAccessException exception) {
            throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), exception);
        } catch (InvocationTargetException exception) {
            throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), exception);
        }
    }
}
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    if (this.getWorkingCopyMethodName() == null) {
        //not implemented to perform special operations.
        return this.buildClone(domainObject, session);
    }
    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                        domainObject, new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                }
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), exception);
    }
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
       UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
ObjectBuilder builder = getDescriptor().getObjectBuilder();
if (getWorkingCopyMethodName() != null) {
    Object original = builder.buildNewInstance();
    builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
    return buildWorkingCopyClone(original, query.getSession());
} else {
    return builder.buildNewInstance();
}

/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    final Class javaClass = this.getDescriptor().getJavaClass();
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            // Additional code...
        }
    } finally {
        // Additional cleanup code...
    }
}
this.setMethod(Helper.getDeclaredMethod(javaClass, this.getMethodName(), new Class[0]));

} catch (NoSuchMethodException exception) {
    session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
} catch (SecurityException exception) {
    session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
}

if (this.getWorkingCopyMethodName() != null) {
    try {
        this.setWorkingCopyMethod(Helper.getDeclaredMethod(javaClass, this.getWorkingCopyMethodName(), new Class[0]));
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
}

/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}

/**
 * Set the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
 * Set the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

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package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 */
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     * @return Object buildClone(Object object, Session session) throws DescriptorException;
     */

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     * @return Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;
     */

    /**
     * Return an instance with the primary key set from the row, used for building a working copy during a unit of
     * work transactional read.
     * @return Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
     * UOW uow) throws DescriptorException;
     */

    /**
     * Clone the CopyPolicy.
     * @return Object clone();
     */

    /**
     * Allow for any initialization or validation required.
     * @return void initialize(Session session) throws DescriptorException;
     */

    /**
     * Set the descriptor.
     * @return void setDescriptor(ClassDescriptor descriptor);
     */

    /**
     * Return if this copy policy creates a new instance, vs a clone.
     * @return boolean buildsNewInstance();
     */

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy.
 *
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }

    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }

    public boolean buildsNewInstance() {
        return true;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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* /opt/ws_local/PERMITS_SQL/1070861389_1594759010.89/0/spring-security-web-5-2-4-release-sources-jar/org/springframework/security/web/authentication/logout/ForwardLogoutSuccessHandler.java
* /opt/ws_local/PERMITS_SQL/1070861389_1594759010.89/0/spring-security-web-5-2-4-release-sources-jar/org/springframework/security/web/authentication/logout/CookieClearingLogoutHandler.java

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1.360 libjpeg 6b

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998
==========================================

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:
User documentation:
install.doc  How to configure and install the IJG software.
usage.doc   Usage instructions for cjpeg, djpeg, jpegtran,
            rdjpgcom, and wrjpgcom.
*.1          Unix-style man pages for programs (same info as usage.doc).
wizard.doc   Advanced usage instructions for JPEG wizards only.
change.log   Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc  How to use the JPEG library in your own programs.
example.c    Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images
are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you
have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and
remarkably high compression levels are possible if you can tolerate a
low-quality image. For more details, see the references, or just experiment
with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive
compression processes. Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren't implemented yet.
For legal reasons, we are not distributing code for the arithmetic-coding
variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting
the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files,
plus two sample applications "cjpeg" and "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats.
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
lconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.
A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be
very good at low Q values. We also intend to investigate block boundary
smoothing, "poor man's variable quantization", and other means of improving
quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG
Part 3 extensions --- principally, variable quantization and the SPIFF file
format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.361 apache-log4j 1.2.17

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* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/embedded/jetty/SslServerCustomizer.java
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 */

/**
 * A {@link WebApplicationContext} that can be used to bootstrap itself from a contained
 * {@link ServletWebServerFactory} bean.
 * 
 * This context will create, initialize and run an {@link WebServer} by searching for a
 * single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
 * itself. The {@link ServletWebServerFactory} is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * 
 * In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
 * '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
 * name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
 * always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
 * 
 * For more advanced configuration, the context can instead define beans that implement
 * the {@link ServletContextInitializer} interface (most often
 * {@link ServletRegistrationBean}s and/or {@link FilterRegistrationBean}s). To prevent
 * double registration, the use of {@link ServletContextInitializer} beans will disable
 * automatic Servlet and Filter bean registration.
 * 
 * Although this context can be used directly, most developers should consider using the
 * {@link AnnotationConfigServletWebServerApplicationContext} or
 * {@link XmlServletWebServerApplicationContext} variants.
 * 
 * @author Phillip Webb
 * @author Dave Syer
 * @since 2.0.0
 * @see AnnotationConfigServletWebServerApplicationContext
 * @see XmlServletWebServerApplicationContext
 * @see ServletWebServerFactory
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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

private static final String NAME = "copyright";
private static final String HEADER = "Copyright:";

public String getName() {
    return NAME;
}

public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}
public boolean inMethod() {
    return true;
}

data boolean inOverview() {
    return true;
}

data boolean inPackage() {
    return true;
}

data boolean inType() {
    return true;
}

data boolean isInlineTag() {
    return false;
}

data static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

data String toString(Tag tag) {
    return toString(new Tag[]{ tag });
}

data String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>\n            for (int i = 0; i < tags.length; i++) {
            if (tags[i].text().length() > 0) {
                result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "</i></dt>\n            }
        }
        StringBuffer result = new StringBuffer();
        result.append("<dl>\n        for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "</i></dt>\n        }
    }

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@c man end

/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;
import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */
public abstract class Permission implements Guard, Serializable {

    /**
     * Compatible with JDK 1.1+. 
     */
    private static final long serialVersionUID = -5636570222231596674L;

    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code> as a <code>String</code>. The string should be in canonical order, for example, both <code>new FilePermission(f, "write,read")</code> and <code>new FilePermission(f, "read,write")</code> have the action list "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object that can store permissions of this type, or <code>null</code> if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this <code>Permission</code> object. This is in the format: <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions + ')'</code>.
 * @return this object as a <code>String</code>
 */
public String toString()
CPStringBuilder string = new CPStringBuilder();

string = string.append('(');
string = string.append(getClass().getName());
string = string.append(' ');
string = string.append(getName());

if (!(getActions().equals(''))){
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();
}
} // class Permission

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That's all there is to it!

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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There is a license section in the FAQ regarding common questions. If you have more questions, ask the FSF or the gcc mailing list.

The source code is distributed under the GNU General Public License version 3, with the addition under section 7 of an exception described in the GCC Runtime Library Exception, version 3.1 as follows (or see the file COPYING.RUNTIME):

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Version 3.1.31 March 2009

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1. Definitions.

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine bytecode, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#

# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'idl.texi',
        ])

# Open Source Used In NFVIS Branch Virtualization 4.6.2 4717
Open Source Used In NFVIS Branch Virtualization 4.6.2  4718

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]\([?:-0-9,\s]+\s+and\s+\)*[0-9]\]

        # Non-whitespace characters in a copyright holder's name.
        name = '[\\w,.-]'

        # Matches one year.
        self.year_re = re.compile ('\[0-9]+')
# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile(
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright' |
    'Copyright\s+\(' |
    'Copyright\s+\("' \+ ranges + '}\)' \+ ranges + '}' |
    'Copyright\s+©' |
    'Copyright\s+©\)' |
    '@set\s+copyright\(\w-\)+)' |
    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\s*{?!' + ranges + '}" |
    '@value\{[^{}]*\}s*') |
    # 3: 'by ', if used
    '(by\s+)\)'.

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\s*name + '(?:\s*name + ')*))?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)

self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be '\', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
index = holder.find ('')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                ' trailing characters in @set: '
                + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break
            # Merge the lines for matching purposes.
            return (True, orig_line, next_line)
    else:
        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation(next_line)
        if not self.continuation_re.match(continuation):
            break

        # Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ' ' + canon_form + self.separator
+ line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (["quilt", 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', """quilt add" files before changing them",
                        self.o_quilt)
        self.add_option ('--this-year', "'Add the current year to every notice'",
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))
def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...
    
    Options:
' % sys.argv[0])
    format = '%-15s %s
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + 'n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
            if len (self.chosen_dirs) == 0:
                self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + dir)
+ chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#-----------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
        )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

        self.fossilised_files |= set ([
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_extensions |= set ({
        '# Don't change the tests, which could be woend by anyone.
        '.c',
        '.C',
        '.cc',
        '.h',
        '.hs',
        '.f',
        '.f90',
        '.go',
        '.inc',
        '.java',
    })

def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_extensions |= set ({
        '# Maintained by the translation project.
        '.po',

        '# Automatically-generated.
        '.pot',
    })

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_dirs |= set ({
        '# Imported from GLIBC.
        'soft-fp',
    })
class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir (os.path.join ('libstdc++-v3', 'testsuite'), TestsuiteFilter())
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
            'gcc',
            ...]
'libada',
'libatomic',
'libbacktrace',
'libcpp',
'libdeci1umber',
'libgcc',
'libgfortran',
'libgomp',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()
==============================================================================

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Developed by:

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

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@appendixsubsec Preamble

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined...
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
AI Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mitia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de()) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
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Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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/**
 * This interface provides information about a permission that can be granted. Note that this is not the same as the class java.security.Permission.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission {
    /**
     * This method tests whether or not a specified Permission (passed as an Object) is the same as this permission.
     *
     * @param perm The permission to check for equality
     *
     * @return true if the specified permission is the same as this one, false otherwise
     */
    boolean equals(Object perm);

    /**
     * This method returns this Permission as a String representing this permission.
     *
     * @return A String representing this permission.
     */
    String toString();
}

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `. 's to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
 that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
    fprintf (FILE, "t.space "HOST_WIDE_INT_PRINT_UNSIGNED":n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
 to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
    ( fputs (".comm ", (FILE)),
      assemble_name ((FILE), (NAME)),
      fprintf ((FILE), ",%u:n", (int)(ROUNDED)))

/* This says how to output an assembler line
 to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  

( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
if ((LOG)!=0) fprintf ((FILE), ";.align \%d", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  
sprintf ((BUF), ";%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007.
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1.371 e2fsprogs 1.42.9 11.el7

1.371.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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*/
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-                        Copyright (C) Andrew Tridgell 2005
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

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Ty Coon, President of Vice

That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS)) $(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`
'echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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1.372 zlib 1.2.5

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1.373 squashfs-tools 4.2

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* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/internal/connection/StreamAllocation.java
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* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/ConnectionSpec.java
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1.386 jakarta-el-api 3.0.2

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1.390 python-requests 2.6.0

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*/

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";
}

1.398 springfox-swagger-common 2.7.0
1.399 psmisc 22.20-16.el7

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1.409 jackson-module-parameter-names

2.10.4

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1.412 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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1.414 util-linux 2.34.0
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* /opt/cola/permits/1137623363_1614109425.1/0/jmespath-java-1-11-201-sources-1-jar/com/amazonaws/jmespath/JmesPathField.java
No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>
1.424 jsr305 3.0.2

1.424.1 Available under license:
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 */

1.425 yavijava 6.0.03

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
}

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================================================================================

package com.vmware.vim25;

import java.util.Calendar;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredFeatureLicense extends NotEnoughLicenses {
    public String feature;
    public int count;
    public Calendar expirationDate;

    public String getFeature() {
        return this.feature;
    }

    public int getCount() {
        return this.count;
    }

    public Calendar getExpirationDate() {
        return this.expirationDate;
    }

    public void setFeature(String feature) {
        this.feature = feature;
    }

    public void setCount(int count) {
        this.count = count;
    }

    public void setExpirationDate(Calendar expirationDate) {
        this.expirationDate = expirationDate;
    }
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class Permission extends DynamicData {
    public ManagedObjectReference entity;
    public String principal;
    public boolean group;
    public int roleId;
    public boolean propagate;

    public ManagedObjectReference getEntity() {
        return this.entity;
    }

    public String getPrincipal() {
        return this.principal;
    }
}
public boolean isGroup() {
    return this.group;
}

public int getRoleId() {
    return this.roleId;
}

public boolean isPropagate() {
    return this.propagate;
}

public void setEntity(ManagedObjectReference entity) {
    this.entity = entity;
}

public void setPrincipal(String principal) {
    this.principal = principal;
}

public void setGroup(boolean group) {
    this.group = group;
}

public void setRoleId(int roleId) {
    this.roleId = roleId;
}

public void setPropagate(boolean propagate) {
    this.propagate = propagate;
}

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package com.vmware.vim25;

/**<n*/
* @author Steve Jin (http://www.doublecloud.org)
* @version 5.1
*/

@SuppressWarnings("all")
public class InvalidEditionLicense extends NotEnoughLicenses {
    public String feature;

    public String getFeature() {
        return this.feature;
    }

    public void setFeature(String feature) {
        this.feature = feature;
    }
}

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================================================================================*/

package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class VramLimitLicense extends NotEnoughLicenses {
    public int limit;

    public int getLimit() {
        return this.limit;
    }

    public void setLimit(int limit) {
        this.limit = limit;
    }
}
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================================================================================*/

package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class NotEnoughLicenses extends RuntimeFault {
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class VmLimitLicense extends NotEnoughLicenses {
    public int limit;

    public int getLimit() {
        return this.limit;
    }

    public void setLimit(int limit) {
        this.limit = limit;
    }
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredEditionLicense extends ExpiredFeatureLicense {
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class InvalidLicense extends VimFault {
    public String licenseContent;

    public String getLicenseContent() {
        return this.licenseContent;
    }

    public void setLicenseContent(String licenseContent) {
        this.licenseContent = licenseContent;
    }
}

1.426 libfastjson 0.99.4 2.el7
1.426.1 Available under license:

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1.427 client 2.1
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1.428 shared-mime-info 1.8

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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package engine

import (
    "bytes"
    "encoding/json"
    "strings"
    "testing"
    "time"
    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
    "gotest.tools/v3/assert"
    is "gotest.tools/v3/assert/cmp"
)

func TestSubscriptionContextWrite(t *testing.T) {
    cases := []struct {
        context  formatter.Context
        expected string
    }{
        // Errors
        
        // Template parsing error: template: :1: function "InvalidFunction" not defined
    }
}
// Table format
formatter.Context{Format: NewSubscriptionsFormat("table", false)},
`NUM                 OWNER               PRODUCT ID          EXPIRES                         PRICING COMPONENTS
1                   owner1              productid1          2020-01-01 10:00:00 +0000 UTC   compstring
2                   owner2              productid2          2020-01-01 10:00:00 +0000 UTC   compstring
`,
}{
formatter.Context{Format: NewSubscriptionsFormat("table", true)},
`1:License Name: name1 Quantity: 10 nodes Expiration date: 2020-01-01
2:License Name: name2 Quantity: 20 nodes Expiration date: 2020-01-01
`,
}{
formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
`OWNER
owner1
owner2
`,
}{
formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
`OWNER
owner1
owner2
`,
// Raw Format
`license: id1
name: name1
owner: owner1
components: compstring

license: id2
name: name2
owner: owner2
components: compstring

`
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID: "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: expiration,
                PricingComponents: &model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 10,
                    },
                }
            },
            ComponentsString: "compstring",
        },
        {
            Num: 2,
            Owner: "owner2",
            Subscription: model.Subscription{
                ID: "id2",
                Name: "name2",
                ProductID: "productid2",
                Expires: expiration,
                PricingComponents: &model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                    },
                }
            },
            ComponentsString: "compstring",
        }
    }
    // Custom Format
    for _, subscription := range subscriptions {
        fmt.Println(subscription)
    }
}
func TestSubscriptionContextWriteJSON(t *testing.T) {
    expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID: "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 10,
                    },
                },
                ComponentsString: "compstring",
            },
            
            Num: 2,
            Owner: "owner2",
            Subscription: model.Subscription{
                ID: "id2",
                Name: "name2",
                ProductID: "productid2",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 20,
                    },
                },
                ComponentsString: "compstring",
            },
        }
    }
    out := &bytes.Buffer{}
    testcase.context.Output = out
    err := SubscriptionsWrite(testcase.context, subscriptions)
    if err != nil {
        assert.Error(t, err, testcase.expected)
    } else {
        assert.Check(t, is.Equal(testcase.expected, out.String()))
    }
}


Name: "nodes",
Value: 20,
",
",
ComponentsString: "compstring",
",
expectedJSONs := []map[string]interface{}
{
  "Owner": "owner1",
  "ComponentsString": "compstring",
  "Expires": "2020-01-01T10:00:00Z",
  "DockerID": "",
  "Eusa": nil,
  "ID": "id1",
  "Start": nil,
  "Name": "name1",
  "Num": float64(1),
  "PricingComponents": []interface{}{
    map[string]interface{}{
      "name": "nodes",
      "value": float64(10),
    },
  },
  "ProductID": "productid1",
  "ProductRatePlan": "",
  "ProductRatePlanID": "",
  "State": "",
  "Summary": "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{
  "Owner": "owner2",
  "ComponentsString": "compstring",
  "Expires": "2020-01-01T10:00:00Z",
  "DockerID": "",
  "Eusa": nil,
  "ID": "id2",
  "Start": nil,
  "Name": "name2",
  "Num": float64(2),
  "PricingComponents": []interface{}{
    map[string]interface{}{
      "name": "nodes",
      "value": float64(20),
    },
  },
  "ProductID": "productid2",
}
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name2
Quantity: 20 nodes
Expiration date: 2020-01-01",
},

out := &bytes.Buffer{
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var m map[string]interface{}
if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
}
assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
{Num: 1, Owner: "owner1"},
{Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var s string
if err := json.Unmarshal([]byte(line), &s); err != nil {
t.Fatal(err)
}
assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}

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package licensing

import (
    "context"
    "crypto/hmac"
    "crypto/sha256"
    "encoding/base64"
    "encoding/json"
    "fmt"
    "time"

    "github.com/docker/libtrust"
    "github.com/docker/licensing/lib/errors"
    "github.com/docker/licensing/lib/go-clientlib"
    "github.com/docker/licensing/model"
)

func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }

    return license, nil
// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }

    key := keys[0]
    if !c.recognizedSigningKey(key) {
        return nil, errors.New("unrecognized signing key")
    }

    payload, err := signature.Payload()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "malformed signature payload")
    }
}
checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": license.KeyID,
        }, "decoding license authorization failed")
    }
    return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
tokenBytes, err := base64.URLEncoding.DecodeString(token)
if err != nil {
return errors.Wrap(err, errors.Fields{"token": token})
}
generatedToken, err := generateToken(message, privateKey)
if err != nil {
return errors.Wrap(err, errors.Fields{"token": token})
}
generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
if err != nil {
return errors.Wrap(err, errors.Fields{"token": token})
}
if !hmac.Equal(tokenBytes, generatedBytes) {
return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
}
return nil
}
// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
key, err := base64.URLEncoding.DecodeString(privateKey)
if err != nil {
return "", errors.Wrap(err, errors.Fields{"msg": message})
}
h := hmac.New(sha256.New, key)
h.Write([]byte(message))
return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}
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// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.
type CheckResponse struct {
    Expiration time.Time `json:"expiration"
    Token      string `json:"token"
    MaxEngines int `json:"maxEngines"
    ScanningEnabled bool `json:"scanningEnabled"
    Type string `json:"licenseType"
    Tier string `json:"tier"
}

// IssuedLicense represents an issued license
type IssuedLicense struct {
    KeyID string `json:"key_id"
    PrivateKey string `json:"private_key"
    Authorization string `json:"authorization"
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {

return false, "empty key_id"
}

if l.PrivateKey == "" {
    return false, "empty private_key"
}

if l.Authorization == "" {
    return false, "empty authorization"
}

return true, ""
}

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package engine

import (    
    "time"
    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
)

const (    
defaultSubscriptionsTableFormat = "table
{{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
    numHeader = "NUM"
    ownerHeader = "OWNER"
    licenseNameHeader = "NAME"
    idHeader = "ID"
    dockerIDHeader = "DOCKER ID"
    productIDHeader = "PRODUCT ID"
    productRatePlanHeader = "PRODUCT RATE PLAN"
    productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
    startHeader = "START"
    expiresHeader = "EXPIRES"
    stateHeader = "STATE"
    eusaHeader = "EUSA"
    pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {

switch source {
  case formatter.TableFormatKey:
    if quiet {
      return defaultSubscriptionsQuietFormat
    }
  return defaultSubscriptionsTableFormat
}

case formatter.RawFormatKey:
if quiet {
  return `license: {{.ID}}`
}

return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`

return formatter.Format(source)

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
  render := func(format func(subContext formatter.SubContext) error) error {
    for _, sub := range subs {
      licenseCtx := licenseContext{trunc: ctx.Trunc, l: sub}
      if err := format(licenseCtx); err != nil {
        return err
      }
    }
    return nil
  }

  licenseCtx := licenseContext{
    Header: map[string]string{
      "Num":               numHeader,
      "Owner":             ownerHeader,
      "Name":              licenseNameHeader,
      "ID":                idHeader,
      "DockerID":          dockerIDHeader,
      "ProductID":         productIDHeader,
      "ProductRatePlan":   productRatePlanHeader,
      "ProductRatePlanID": productRatePlanIDHeader,
      "Start":             startHeader,
      "Expires":           expiresHeader,
      "State":             stateHeader,
      "Eusa":              eusaHeader,
      "ComponentsString":  pricingComponentsHeader,
    }
  return ctx.Write(&licenseCtx, render)
  }

  type licenseContext struct {
    formatter.HeaderContext
    trunc bool
    Header
  }

  return nil

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return formatter.MarshalJSON(c)
}

func (c *licenseContext) Num() int {
    return c.l.Num
}

func (c *licenseContext) Owner() string {
    return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
    return c.l.String()
}

func (c *licenseContext) Name() string {
    return c.l.Name
}

func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
return c.l.Expires
}

func (c *licenseContext) State() string {
return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
// Dereference the pricing component pointers in the pricing components
// so it can be rendered properly with the template formatter

var ret []model.SubscriptionPricingComponent
for _, spc := range c.l.PricingComponents {
if spc == nil {
continue
}
ret = append(ret, *spc)
}
return ret
}

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* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/ConstructorExecutor.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/MethodResolver.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/ExpressionInvocationTargetException.java

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    jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
  * /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
    jar/org/springframework/expression/spel/standard/SpelExpression.java
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    jar/org/springframework/expression/ExpressionParser.java
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jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/TypeConverter.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/ParserContext.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/TypeComparator.java

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* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/MethodFilter.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-jar/org/springframework/expression/spel/standard/TokenKind.java

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* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
jar/org/springframework/expression/spel/CodeFlow.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
jar/org/springframework/expression/EvaluationContext.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
jar/org/springframework/expression/common/LiteralExpression.java
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1.437 libxvmc 1.0.10 1.el7

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the.entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full
Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
Looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

--- Mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.

-- Nathan

Nathan Neulinger
EMail: nneul@um...
University of Missouri - Rolla
Phone: (573) 341-6679
UMR Information Technology
Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> =20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=GPL-2 ... it was a modified artistic license ... i didnt notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=eir applications are also GPL-2 which imo is just wrong. it isnt the place of =a library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.

=Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
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> > the original license (before moving to sourceforge -- aka, 2.7) was
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> > GPL-2 ... it was a modified artistic license ... i didn't notice the
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> > unlike the old license, GPL-2 prevents people from using cracklib
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> > place of a
> > library to dictact to application writes what license they should
> > be using.
> >
> > thus LGPL-2.1 enters to fill this void.
> >
> > -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.
Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> > I am sympathetic. Guys, what do you reckon?
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
>
> My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
> I am sympathetic. Guys, what do you reckon?
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL....
> My apologies for not chiming in in anything resembling a reasonable
timeframe.
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> make the change now?

yes. go for it. thanks++
Nathan Neulinger is the only one who can actually make said change ...

-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
---------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.
Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
----------

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Open Source Used In NFVIS Branch Virtualization 4.6.2  5584

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.==20

-- Nathan
==20

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
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> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
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> clarification of the licensing that was already in place.
the original license (before moving to sourceforge -- aka, 2.7) was not=G
GPL-2 ... it was a modified artistic license ... i didnt notice the license=G
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=G
eir applications are also GPL-2 which imo is just wrong. it isnt the place of =
library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

Nathan Neulinger EMai: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
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> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
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directly
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unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which is not right. it isn't the place of a library to dictate to the application what license it should be using.

thus LGPL-2.1 enters to fill this void.

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme you all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing you all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Fry sing er <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > > Seems like the ideal thing here would be for you and the other distro
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In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
> yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike
CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

---

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxptr020623 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311 for <nneul@neulinger.org>; Mon, 01 Oct 2007 16:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain> <EC90713277D2BE41B7110CCD74E235C8F44F838@UMR-CMAIL1.umr.edu>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
RE: cracklib license

Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.449 spring-plugin-metadata 1.2.0.RELEASE

1.449.1 Available under license:

No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5- jar/org/springframework/plugin/metadata/MetadataProvider.java
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5- jar/org/springframework/plugin/metadata/PluginMetadata.java
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*/

Found in path(s):
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5- jar/org/springframework/plugin/metadata/AbstractMetadataBasedPlugin.java
No license file was found, but licenses were detected in source scan.

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1.451 spring-retry 1.2.4.RELEASE
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1.452 xerces-impl 2.11.0

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 */
/**
 * used to check the 3 constraints against each complex type
 * (should be each model group):
 * Unique Particle Attribution, Particle Derivation (Restriction),
 * Element Declrations Consistent.
 */

Found in path(s):
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-
jar/org/apache/xerces/impl/xs/XSConstraints.java
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 */
/**
 * Checks if this content model has had its min/maxOccurs values reduced for
 * purposes of speeding up UPA. If so, this content model should not be used
 * for any purpose other than checking unique particle attribution
 *
 * @return a boolean that says whether this content has been compacted for UPA
 */

Found in path(s):
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-
jar/org/apache/xerces/impl/xs/models/XSCMValidator.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1.jar/org/apache/xerces/impl/msg/SAXMessages.properties
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1.jar/org/apache/xerces/impl/msg/XMLMessages.properties
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1.jar/org/apache/xerces/impl/msg/XMLSerializerMessages.properties
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1.jar/org/apache/xerces/impl/xpath/regex/message_ja.properties

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 */
/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new <code>LSParser</code>. The newly constructed parser may
 * then be configured by means of its <code>DOMConfiguration</code>
 * object, and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode  The <code>mode</code> argument is either
 * <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
 * <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
 * <code>LSParser</code> that is created will operate in synchronous
 * mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
 * <code>LSParser</code> that is created will operate in asynchronous
 * mode.
 * @param schemaType  An absolute URI representing the type of the schema
 * language used during the load of a <code>Document</code> using the
 * newly created <code>LSParser</code>. Note that no lexical checking
 * is done on the absolute URI. In order to create a
 * <code>LSParser</code> for any kind of schema types (i.e. the
 * LSParser will be free to use any schema found), use the value
 * <code>null</code>.
 * @return  The newly created <code>LSParser</code> object. This
 * <code>LSParser</code> is either synchronous or asynchronous
 * depending on the value of the <code>mode</code> argument.
 * <p><b>Note:</b> For W3C XML Schema [<a href='http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/'>&lt;XML Schema Part 1</a>]
 * , applications must use the value
 * <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD [<a href='http://www.w3.org/TR/2000/REC-xml-20001006/'>&lt;XML 1.0</a>],
 * applications must use the value
 * <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
 * are outside the scope of the W3C and therefore should recommend an
 * absolute URI in order to use this method.
 * @return  The newly created <code>LSParser</code> object. This
 * <code>LSParser</code> is either synchronous or asynchronous
 * depending on the value of the <code>mode</code> argument.
 * <p><b>Note:</b> By default, the newly created <code>LSParser</code>
 * does not contain a <code>DOMErrorHandler</code>, i.e. the value of
 * the "&lt;a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler'&gt;error-handler&lt;/a&gt;" configuration parameter is <code>null</code>. However, implementations
 * may provide a default error handler at creation time. In that case,
 * the initial value of the <code>error-handler</code> configuration
 * parameter on the new created <code>LSParser</code> contains a
 * reference to the default error handler.
 * @exception DOMException
 * NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
 * not supported.
 */

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1.453 avalon-framework-impl 4.3

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1.454 aws-java-sdk-core 1.11.201

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* /opt/cola/permits/1137623723_161409368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java
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* /opt/cola/permits/1137623723_161409368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
* /opt/cola/permits/1137623723_161409368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/http/JsonResponseHandler.java

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 * credentials that don't change, or more complicated implementations, such as
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 */

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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/ServiceClientHolderInputStream.java
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  jar/com/amazonaws/util/BasicNameValuePair.java
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  jar/com/amazonaws/util/NameValuePair.java
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* Interface for providing AWS region information. Implementations are free to use any strategy for
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/http/apache/client/impl/ConnectionManagerAwareHttpClient.java
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- /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/protocol/MarshallLocation.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/protocol/MarshallingInfo.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/auth/StaticSignerProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/http/ExecutionContext.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/retry/V2CompatibleBackoffStrategyAdapter.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/AwsWebServiceResult.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/XMLWriter.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/http/AwsErrorResponseHandler.java

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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/ThreadSafe.java
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jar/com/amazonaws/internal/ReleasableInputStream.java

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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/internal/CustomBackoffStrategy.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/transform/SimpleTypeIonUnmarshallers.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/protocol/json/IonFactory.java

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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/jmx/MBeans.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/EncodingScheme.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/Base16Codec.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/internal/SdkFilterOutputStream.java
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  jar/com/amazonaws/regions/InMemoryRegionsProvider.java
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1.456 jackson-dataformat-xml 2.10.4

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1.457 dhcp 4.2.5 68.el7.centos

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.458 python-setuptools 0.9.8

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1.462 libxkbcommon 0.7.1 1.el7

1.463 webkit 2.16.6-6.el7

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Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file. WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

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enhancements to mutexes;
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suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfafftpfaff at gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korndgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at junxo dot com prionx at junxo dot com
Bug fixes.
Max Woodburyntew at cds dot duke dot edu
POSIX versioning conditionals;
Reduced namespace pollution;  
idea to separate routines to reduce statically linked image sizes.  
Rob Fannerrfaner at stonethree dot com  
Bug fix.  
Michael Johnson michaelj at maine dot rr dot com  
Bug fix.  
Nicolas Barryboozai at yahoo dot com  
Bug fixes.  
Piet van Bruggenpietvb at newbridges dot nl  
Bug fix.  
Makoto Katoraven at oldskool dot jp  
AMD64 port.  
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr  
Contribution the QueueUserAPCEx package which makes preemptive async cancelation possible.  
Will Bryantwill dot bryant at ecosm dot com  
Borland compiler patch and makefile.  
Anuj Goyalanuj dot goyal at gmail dot com  
Port to Digital Mars compiler.  
Gottlob Frejegottlobfrege at gmail dot com  
re-implemented pthread_once (version 2) (pthread_once cancellation added by rpj).  
Vladimir Kliatchkovladimir at kliatchko dot com  
reimplemented pthread_once with the same form as described by A.Terekhov (later version 2); implementation of MCS (Mellor-Crummey/Scott) locks.  
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From 032df66e235e2f87d6882fda269843f9fa83b8cf Mon Sep 17 00:00:00 2001
From: "commit-queue@webkit.org"
<commit-queue@webkit.org@268f45cc-cd09-0410-ab3c-d52691b4dbfc>
Date: Fri, 6 Oct 2017 06:32:57 +0000
Subject: [PATCH] Update Source/ThirdParty/woff2 to
22c256bc4577777744ba14b7325a6e8e0e7dec91c
https://bugs.webkit.org/show_bug.cgi?id=177994

Patch by Frederic Wang <fwang@igalia.com> on 2017-10-05
Reviewed by Michael Catanzaro.

Source/ThirdParty:
* woff2/CMakeLists.txt: Also consider the directory for public headers.
* woff2/include/woff2/decode.h: Renamed from Source/ThirdParty/woff2/src/woff2_dec.h.
* woff2/include/woff2/encode.h: Renamed from Source/ThirdParty/woff2/src/woff2_enc.h.
(woff2::WOFF2Params::WOFF2Params):  
* woff2/include/woff2/output.h: Renamed from Source/ThirdParty/woff2/src/woff2_out.h.
(woff2::WOFF2Out::WOFF2Out):  
(woff2::WOFF2StringOut::MaxSize):  
* woff2/src/buffer.h:  
* woff2/src/convert_woff2ttf_*_.cc:  
* woff2/src/file.h:  
* woff2/src/font.cc:  
* woff2/src/font.h:  
* woff2/src/glyph.cc:  
* woff2/src/glyph.h:  
* woff2/src/normalize.cc:  
* woff2/src/normalize.h:  
* woff2/src/port.h:  
* woff2/src/round.h:  
* woff2/src/store_bytes.h:  
* woff2/src/table_tags.cc:  
* woff2/src/table_tags.h:  
* woff2/src/transform.cc:  
* woff2/src/transform.h:  
* woff2/src/variable_length.cc:  
* woff2/src/variable_length.h:  
* woff2/src/woff2_common.cc:  
* woff2/src/woff2_common.h:  
* woff2/src/woff2_compress.cc:  
* woff2/src/woff2_dec.cc:  
* woff2/src/woff2_decompress.cc:  
* woff2/src/woff2_enc.cc:  
* woff2/src/woff2_info.cc:  
* woff2/src/woff2_out.cc:  
* woff2/update.sh: Also consider directory for public headers.

Source/WebCore:

No new tests, already covered by existing tests.

* CMakeLists.txt: Include the directory for public headers instead.
* platform/graphics/WOFFFileFormat.cpp: Use the public header woff2/decode.h and do not use the "WOFF2" constant from private headers.
(WebCore::isWOFF):  
(WebCore::convertWOFFToSfnt):

git-svn-id: http://svn.webkit.org/repository/webkit/trunk@222960 268f45cc-cd09-0410-ab3c-d52691b4dbfc
Library for converting WOFF2 format font files to their TTF versions.

```c
#include <stddef.h>
#include <inttypes.h>
#include <woff2/output.h>
namespace woff2 {
```
}
#include <inttypes.h>
#include <string>

- using std::string;
-
-
namespace woff2 {

struct WOFF2Params {
    WOFF2Params() : extended_metadata(""), brotli_quality(11),
        allow_transforms(true) {}

    - string extended_metadata;
    + std::string extended_metadata;
    int brotli_quality;
    bool allow_transforms;
};

@@ -38,7 +27,7 @@ struct WOFF2Params {
// Returns an upper bound on the size of the compressed file.
size_t MaxWOFF2CompressedSize(const uint8_t* data, size_t length);
size_t MaxWOFF2CompressedSize(const uint8_t* data, size_t length,
    -    const string& extended_metadata);
    +    const std::string& extended_metadata);

    // Compresses the font into the target buffer. *result_length should be at least
    // the value returned by MaxWOFF2CompressedSize(), upon return, it is set to the
    // the value returned by MaxWOFF2CompressedSize(), upon return, it is set to the
    // the value returned by MaxWOFF2CompressedSize(), upon return, it is set to the
    // the value returned by MaxWOFF2CompressedSize(), upon return, it is set to the
diff --git a/Source/ThirdParty/woff2/src/woff2_out.h b/Source/ThirdParty/woff2/include/woff2/output.h
similarity index 59%
rename from Source/ThirdParty/woff2/src/woff2_out.h
rename to Source/ThirdParty/woff2/include/woff2/output.h
index c956afa0e2a..c325f67be72 100644
--- a/Source/ThirdParty/woff2/src/woff2_out.h
+++ b/Source/ThirdParty/woff2/include/woff2/output.h
@@ -1,34 +1,10 @@
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/\n/\ Output buffer for WOFF2 decompression.
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+*/
+
+/* Output buffer for WOFF2 decompression. */

#ifndef WOFF2_WOFF2_OUT_H_
define WOFF2_WOFF2_OUT_H_  
@ @ -37,16 +13,12 @ @
#include <cstring>
#include <memory>
#include <string>
#include "./port.h"

namespace woff2 {

   // Suggested max size for output.
   const size_t kDefaultMaxSize = 30 * 1024 * 1024;

   -using std::string;
   -
   /**
    * Output interface for the woff2 decoding.
    *
    @ @ -79,7 +51,7 @ @ class WOFF2StringOut : public WOFF2Out {
    // Create a writer that writes its data to buf.
    // buf->size() will grow to at most max_size


// buf may be sized (e.g. using EstimateWOFF2FinalSize) or empty.
-  explicit WOFF2StringOut(string* buf);
+  explicit WOFF2StringOut(std::string* buf);

bool Write(const void *buf, size_t n) override;
bool Write(const void *buf, size_t offset, size_t n) override;
@@ -87,7 +59,7 @@ class WOFF2StringOut : public WOFF2Out {
   size_t MaxSize() { return max_size_; }
   void SetMaxSize(size_t max_size);
private:
-  string* buf_;
+  std::string* buf_; 
   size_t max_size_; 
   size_t offset_; 
};

diff --git a/Source/ThirdParty/woff2/src/buffer.h b/Source/ThirdParty/woff2/src/buffer.h
index 08681a6fcf.7240e5181ce 100644
--- a/Source/ThirdParty/woff2/src/buffer.h
+++ b/Source/ThirdParty/woff2/src/buffer.h
@@ -1,19 +1,11 @@
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-//
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+*/
+
+/* The parts of ots.h & opentype-sanitiser.h that we need, taken from the
+ https://code.google.com/p/ots/ project. */

#ifndef WOFF2_BUFFER_H_
#define WOFF2_BUFFER_H_

diff --git a/Source/ThirdParty/woff2/src/convert_woff2ttf_fuzzer.cc
// Entry point for LibFuzzer.
extern "C" int LLVMFuzzerTestOneInput(const uint8_t* data, size_t data_size) {
    // Decode using newer entry pattern.
    return 0;
}

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+*/
+
+/* File IO helpers. */

#ifndef WOFF2_FILE_H_
define WOFF2_FILE_H_
#endif

--- git a/Source/ThirdParty/woff2/src/font.cc b/Source/ThirdParty/woff2/src/font.cc
index 8dc10438251..6b72f6da926 100644
--- a/Source/ThirdParty/woff2/src/font.cc
+++ b/Source/ThirdParty/woff2/src/font.cc
@@ -1,18 +1,10 @@
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+*/
+
+/* Font management utilities */

#include "./font.h"

diff --git a/Source/ThirdParty/woff2/src/font.h b/Source/ThirdParty/woff2/src/font.h
index 93806e6b5ee..7b8dddc5a1 100644
--- a/Source/ThirdParty/woff2/src/font.h
+++ b/Source/ThirdParty/woff2/src/font.h
@@ -1,19 +1,11 @@
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#include "/.glyph.h"

diff --git a/Source/ThirdParty/woff2/src/glyph.h b/Source/ThirdParty/woff2/src/glyph.h
index 0ee755c2f5a..f24056f4e8c 100644
--- a/Source/ThirdParty/woff2/src/glyph.h
+++ b/Source/ThirdParty/woff2/src/glyph.h
@@ -1,19 +1,11 @@
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+ */
+ + /* Data model and I/O for glyph data within sfnt format files for the purpose of
+ + performing the preprocessing step of the WOFF 2.0 conversion. */

#ifndef WOFF2_GLYPH_H_
#define WOFF2_GLYPH_H_

diff --git a/Source/ThirdParty/woff2/src/normalize.cc b/Source/ThirdParty/woff2/src/normalize.cc
index 1af3b7db66b..39f9405fd31 100644
--- a/Source/ThirdParty/woff2/src/normalize.cc
+++ b/Source/ThirdParty/woff2/src/normalize.cc
@@ -1,18 +1,10 @@
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-//
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+ */ 
+ 
+ /* Glyph normalization */

#include "normalize.h"

diff --git a/Source/ThirdParty/woff2/src/normalize.h b/Source/ThirdParty/woff2/src/normalize.h
index e0153488ed3..c6fee74db60 100644
--- a/Source/ThirdParty/woff2/src/normalize.h
+++ b/Source/ThirdParty/woff2/src/normalize.h
@@ -1,20 +1,12 @@
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-// limitations under the License.
-//
-// Functions for normalizing fonts. Since the WOFF 2.0 decoder creates font
-// files in normalized form, the WOFF 2.0 conversion is guaranteed to be
-// lossless (in a bitwise sense) only for normalized font files.
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+ */
+ 
+ /* Functions for normalizing fonts. Since the WOFF 2.0 decoder creates font
+ + files in normalized form, the WOFF 2.0 conversion is guaranteed to be
+ + lossless (in a bitwise sense) only for normalized font files. */
ifndef WOFF2_NORMALIZE_H_
define WOFF2_NORMALIZE_H_
diff --git a/Source/ThirdParty/woff2/src/port.h b/Source/ThirdParty/woff2/src/port.h
index b302d6c4959..8b60fee8bc9 100644
--- a/Source/ThirdParty/woff2/src/port.h
+++ b/Source/ThirdParty/woff2/src/port.h
@@ -1,18 +1,10 @@
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-// Helper function for bit twiddling and macros for branch prediction.
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+ */
+ +
+ /* Helper function for bit twiddling and macros for branch prediction. */

ifndef WOFF2_PORT_H_
define WOFF2_PORT_H_
diff --git a/Source/ThirdParty/woff2/src/round.h b/Source/ThirdParty/woff2/src/round.h
index abb81f8235d..e5b2cb12200 100644
--- a/Source/ThirdParty/woff2/src/round.h
+++ b/Source/ThirdParty/woff2/src/round.h
@@ -1,18 +1,10 @@
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*/

/* Helper for rounding */

#ifndef WOFF2_ROUND_H_
#define WOFF2_ROUND_H_

#endif

/* Helper functions for storing integer values into byte streams.
   No bounds checking is performed, that is the responsibility of the caller. */

#ifndef WOFF2_STORE_BYTES_H_
#define WOFF2_STORE_BYTES_H_

diff --git a/Source/ThirdParty/woff2/src/store_bytes.h b/Source/ThirdParty/woff2/src/store_bytes.h
index 82c1bd84ace..fff3c62f846 100644
--- a/Source/ThirdParty/woff2/src/store_bytes.h
+++ b/Source/ThirdParty/woff2/src/store_bytes.h
@@ -1,19 +1,11 @@
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+*/
+
+/* Helper for rounding */

#endif

/* Helper functions for storing integer values into byte streams.
   No bounds checking is performed, that is the responsibility of the caller. */

#endif

/* Helper functions for storing integer values into byte streams.
   No bounds checking is performed, that is the responsibility of the caller. */

#ifndef WOFF2_STORE_BYTES_H_
#define WOFF2_STORE_BYTES_H_

diff --git a/Source/ThirdParty/woff2/src/table_tags.cc b/Source/ThirdParty/woff2/src/table_tags.cc
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#include "table_tags.h"

diff --git a/Source/ThirdParty/woff2/src/table_tags.h b/Source/ThirdParty/woff2/src/table_tags.h
index daa5d9215de..42dc0ae1c44 100644
--- a/Source/ThirdParty/woff2/src/table_tags.h
+++ b/Source/ThirdParty/woff2/src/table_tags.h
@@ -1,18 +1,10 @@
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-// Font table tags
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+
+/* Font table tags */

#include "table_tags.h"
/* Font table tags */

#ifndef WOFF2_TABLE_TAGS_H_
#define WOFF2_TABLE_TAGS_H_

diff --git a/Source/ThirdParty/woff2/src/transform.cc b/Source/ThirdParty/woff2/src/transform.cc
index 2ad8b163c3c..999bef37458 100644
--- a/Source/ThirdParty/woff2/src/transform.cc
+++ b/Source/ThirdParty/woff2/src/transform.cc
@@ -1,18 +1,10 @@
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+
+/* Library for preprocessing fonts as part of the WOFF 2.0 conversion. */

#include "./transform.h"

diff --git a/Source/ThirdParty/woff2/src/transform.h b/Source/ThirdParty/woff2/src/transform.h
index e9d1b0d3d4..a4583d16cb2 100644
--- a/Source/ThirdParty/woff2/src/transform.h
+++ b/Source/ThirdParty/woff2/src/transform.h
@@ -1,18 +1,10 @@
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+
+/* Library for preprocessing fonts as part of the WOFF 2.0 conversion. */
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+*/
+
+/* Library for preprocessing fonts as part of the WOFF 2.0 conversion. */

#ifndef WOFF2_TRANSFORM_H_
define WOFF2_TRANSFORM_H_
diff --git a/Source/ThirdParty/woff2/src/variable_length.cc b/Source/ThirdParty/woff2/src/variable_length.cc
index 264eb0a1603..4f348d5e504 100644
--- a/Source/ThirdParty/woff2/src/variable_length.cc
+++ b/Source/ThirdParty/woff2/src/variable_length.cc
@@ -1,18 +1,10 @@
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+*/

/* Helper functions for woff2 variable length types: 255UInt16 and UIntBase128 */

#include "./variable_length.h"

diff --git a/Source/ThirdParty/woff2/src/variable_length.h b/Source/ThirdParty/woff2/src/variable_length.h
index 2816ae23a20..20801065357 100644
--- a/Source/ThirdParty/woff2/src/variable_length.h
+++ b/Source/ThirdParty/woff2/src/variable_length.h
@@ -1,18 +1,10 @@
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+*/
+
+/* Helper functions for woff2 variable length types: 255UInt16 and UIntBase128 */

#ifndef WOFF2_VARIABLE_LENGTH_H_
#define WOFF2_VARIABLE_LENGTH_H_

diff --git a/Source/ThirdParty/woff2/src/woff2_common.cc b/Source/ThirdParty/woff2/src/woff2_common.cc
index c19acdbd9ce..fe0a3beda71 100644
--- a/Source/ThirdParty/woff2/src/woff2_common.cc
+++ b/Source/ThirdParty/woff2/src/woff2_common.cc
@@ -1,18 +1,10 @@
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-//
-// Helper functions for woff2 variable length types: 255UInt16 and UIntBase128 */
+
+/* Helper functions for woff2 variable length types: 255UInt16 and UIntBase128 */

#ifndef WOFF2_VARIABLE_LENGTH_H_
#define WOFF2_VARIABLE_LENGTH_H_

diff --git a/Source/ThirdParty/woff2/src/woff2_common.cc b/Source/ThirdParty/woff2/src/woff2_common.cc
index c19acdbd9ce..fe0a3beda71 100644
--- a/Source/ThirdParty/woff2/src/woff2_common.cc
+++ b/Source/ThirdParty/woff2/src/woff2_common.cc
@@ -1,18 +1,10 @@
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-//
index e5cf710f793..80e31086676 100644
--- a/Source/ThirdParty/woff2/src/woff2_compress.cc
+++ b/Source/ThirdParty/woff2/src/woff2_compress.cc
@@ -1,23 +1,15 @@
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-// A commandline tool for compressing ttf format files to woff2.
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+*/
+
+/* A commandline tool for compressing ttf format files to woff2. */

#include <string>

#include "file.h"
#include "/woff2_enc.h"
#include <woff2/encode.h>

int main(int argc, char **argv) {

diff --git a/Source/ThirdParty/woff2/src/woff2_dec.cc b/Source/ThirdParty/woff2/src/woff2_dec.cc
index 831dd45513..8186c8e5d9e 100644
--- a/Source/ThirdParty/woff2/src/woff2_dec.cc
+++ b/Source/ThirdParty/woff2/src/woff2_dec.cc
@@ -1,20 +1,12 @@
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-//
-// Library for converting WOFF2 format font files to their TTF versions.
-
-#include "./woff2_dec.h"

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+*/
+
+/** Library for converting WOFF2 format font files to their TTF versions. */
+
+#include <woff2/decode.h>

#include <stdlib.h>
#include <algorithm>
@@ -27,7 +19,7 @@
#include <memory>
#include <utility>
-#include "./brotli/decode.h"
+include <brotli/decode.h>
#include "./buffer.h"
#include "./port.h"
#include "./round.h"

diff --git a/Source/ThirdParty/woff2/src/woff2_decompress.cc b/Source/ThirdParty/woff2/src/woff2_decompress.cc
index a3422bf6767..de088b9ec0f 100644
--- a/Source/ThirdParty/woff2/src/woff2_decompress.cc
+++ b/Source/ThirdParty/woff2/src/woff2_decompress.cc
@@ -1,24 +1,16 @@
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/* A very simple command line tool for decompressing woff2 format files to true type font files. */
#include <string>
#include "./file.h"
#include "./woff2_dec.h"
#include <woff2/decode.h>

int main(int argc, char **argv) {
    diff --git a/Source/ThirdParty/woff2/src/woff2_enc.cc b/Source/ThirdParty/woff2/src/woff2_enc.cc
    index 4e83a674f7e..ee00878bcd6 100644
    --- a/Source/ThirdParty/woff2/src/woff2_enc.cc
    +++ b/Source/ThirdParty/woff2/src/woff2_enc.cc
    @@ -1,20 +1,12 @@
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    */
    /* Library for converting TTF format font files to their WOFF2 versions. 
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    /* */
/* Library for converting TTF format font files to their WOFF2 versions. */
+
+#include <woff2/encode.h>

#include <stdlib.h>
#include <complex>
@@ -23,7 +15,7 @@
#include <string>
#include <vector>

-#include "/brotli/encode.h"
+#include <brotli/encode.h>
#include "/buffer.h"
#include "/font.h"
#include "/normalize.h"
@@ -436,7 +428,7 @@
  std::pair<uint32_t, uint32_t> tag_offset(table.tag, table_offset);
  if (index_by_tag_offset.find(tag_offset) == index_by_tag_offset.end()) {
    #ifdef FONT_COMPRESSION_BIN
-          fprintf(stderr, "Missing table index for offset 0x%08x\n",
+fprintf(stderr, "Missing table index for offset 0x%08x\n",
            table_offset);
    #endif
    return FONT_COMPRESSION_FAILURE();
  }

diff --git a/Source/ThirdParty/woff2/src/woff2_info.cc b/Source/ThirdParty/woff2/src/woff2_info.cc
index 5dff871b816..2b51adcb622 100644
+++ b/Source/ThirdParty/woff2/src/woff2_info.cc
@@ -1,18 +1,10 @@
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-//
-// A commandline tool for dumping info about a woff2 file.
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/*
 * A commandline tool for dumping info about a woff2 file. */

#include <string>

namespace woff2 {

namespace woff2 {

diff --git a/Source/ThirdParty/woff2/update.sh b/Source/ThirdParty/woff2/update.sh
index c67cb43f1c6..7e15f564ff1 100755
--- a/Source/ThirdParty/woff2/update.sh
+++ b/Source/ThirdParty/woff2/update.sh
@@ -10,8 +10,9 @@ git clone https://github.com/google/woff2 ${MY_TEMP_DIR}/woff2
COMMIT=`(cd ${MY_TEMP_DIR}/woff2 && git log | head -n 1)`
perl -p -i -e "s/\[commit \[0-9a-f\]{40}\]/\[${COMMIT}\]/" README.webkit;

Open Source Used In NFVIS Branch Virtualization 4.6.2 5755
diff --git a/Source/WebCore/CMakeLists.txt b/Source/WebCore/CMakeLists.txt
index 37847287c18..68307bbf4f6 100644
--- a/Source/WebCore/CMakeLists.txt
+++ b/Source/WebCore/CMakeLists.txt
@@ -3653,7 +3653,7 @@ if (ENABLE_USER_MESSAGE_HANDLERS)
 endif()

if (USE_WOFF2)
-  list(APPEND WebCore_INCLUDE_DIRECTORIES "${THIRDPARTY_DIR}/woff2/src")
+  list(APPEND WebCore_INCLUDE_DIRECTORIES "${THIRDPARTY_DIR}/woff2/include")
  list(APPEND WebCore_LIBRARIES woff2)
endif()

diff --git a/Source/WebCore/platform/graphics/WOFFFileFormat.cpp
b/Source/WebCore/platform/graphics/WOFFFileFormat.cpp
index 1b40708d9b0..fc6b3c270b8 100644
--- a/Source/WebCore/platform/graphics/WOFFFileFormat.cpp
+++ b/Source/WebCore/platform/graphics/WOFFFileFormat.cpp
@@ -31,8 +31,8 @@
 #endif

namespace WebCore {
@@ -84,7 +84,7 @@ bool isWOFF(SharedBuffer& buffer)
       return false;

 #if USE(WOFF2)
-#include "woff2_common.h"
-#include "woff2_dec.h"
+#include <woff2/decode.h>
+static const uint32_t kWoff2Signature = 0x774f4632; // "wOF2"
#endif

namespace WebCore {
@@ -140,7 +140,7 @@ bool convertWOFFTosfnt(SharedBuffer& woff, Vector<char>& sfnt)
       return false;

 #if USE(WOFF2)
- return signature == woffSignature || signature == woff2::kWoff2Signature;
+ return signature == woffSignature || signature == kWoff2Signature;
#else
       return signature == woffSignature;
#endif
@@ -140,7 +140,7 @@ bool convertWOFFTosfnt(SharedBuffer& woff, Vector<char>& sfnt)
 }
#if USE(WOFF2)
  - if (signature == woff2::kWoff2Signature) {
  + if (signature == kWoff2Signature) {
      const uint8_t* woffData = reinterpret_cast<const uint8_t*>(woff.data());
      const size_t woffSize = woff.size();
      const size_t sfntSize = woff2::ComputeWOFF2FinalSize(woffData, woffSize);
      --
  2.14.2

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numbered 2 because it goes with version 2 of the ordinary GPL.]
Preamble

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this,
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or
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If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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distribute the source code, even though third parties are not
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5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
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When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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### makefile

BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files

**GEN_DEPS.c** = $(CC) -E -MM $(DEFS) $(CPPFLAGS)

**GEN_DEPS.cc** = $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code

**SHAREDLIBCFLAGS** = -fPIC

**SHAREDLIBCXXFLAGS** = -fPIC

**SHAREDLIBCPPFLAGS** = -DPICT

## Additional flags when building libraries and with threads

**THREADSCPPFLAGS** = -D_REENTRANT

**LIBCPPFLAGS** =

## Compiler switch to embed a runtime search path

**LD_RPATH=**

**LD_RPATH_PRE=** =-Wl,-rpath,

## Compiler switch to embed a library name

**LD_SONAME** = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
## Shared library options

```
LD_SOOPTIONS= -Wl,-Bsymbolic
```

## Shared object suffix

```
SO = so
```

## Non-shared intermediate object suffix

```
STATIC_O = ao
```

## Compilation rules

- `%$(STATIC_O): $(srcdir)/%.c` $($(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<)
- `%o: $(srcdir)/%.c` $($(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<)
- `%$(STATIC_O): $(srcdir)/%.cpp` $($(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<)
- `%o: $(srcdir)/%.cpp` $($(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<)

## Dependency rules

- `%d: $(srcdir)/%.c` @echo "generating dependency information for $<"
  @$(SHELL) -ec "$(GEN_DEPS.c) $< \ 
  | sed s/$(/$@: /g > $@; \ 
  [ -s $@ ] || rm -f $@"
- `%d: $(srcdir)/%.cpp` @echo "generating dependency information for $<"
  @$(SHELL) -ec "$(GEN_DEPS.cc) $< \ 
  | sed s/$(/$@: /g > $@; \ 
  [ -s $@ ] || rm -f $@"

## Versioned libraries rules

- `%$(SO).$(SO_TARGET_VERSION_MAJOR): %$(SO).$(SO_TARGET_VERSION)` $$(RM) $@ && ln -s ${<F} $@
- `%$(SO): %$(SO).$(SO_TARGET_VERSION_MAJOR)` $$(RM) $@ && ln -s $<F$.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

- # LDflags that pkgdata will use
  BIR_LDFLAGS= -Wl,-Bsymbolic
- # Dependencies [i.e. map files] for the final library
  BIR_DEPS=
## Remove shared library 's'

```guw
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
```

## End BSD-specific setup

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1.466 Izo 2.06
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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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1.473 pyxattr 0.5.1

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1.475 jackson-jaxrs 2.10.4

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.476 jersey-media-jaxb 2.29.1

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1.477 icu 50.1.2 15.el7
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files

GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code

SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options

LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed \"s/\(^.*\)/\1\n| rm -f $@"'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "%s/($*).o/.*$@ : /g" > $@; \n[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.s$(SO).$(SO_TARGET_VERSION_MAJOR): %.s$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.s$(SO): %.s$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${<F}.s$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

1.478 janino 2.7.6

1.479 dmidecode 3.3

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1.480 json-c 0.11
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1.481 binutils 2.25.1

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
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Appendix: How to Apply These Terms to Your New Libraries

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Ty Coon, President of Vice

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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That's all there is to it!
(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn’t been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.
Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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@page
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* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5.2.6-release-sources-1.jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
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1.484 spring-security-config 5.2.4.RELEASE

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*/

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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS
uv__io_t event_watcher; 

#define UV_IO_PRIVATE_PLATFORM_FIELDS
int rcount;  
int wcount;  

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

Files: *

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1.497 micrometer-core 1.3.3

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* /opt/cola/permits/1227291717_1636733529.67/0/jjwt-0-9-1-jar/META-INF/maven/io.jsonwebtoken/jjwt/pom.xml

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Manifest-Version: 1.0
Export-Package: io.jsonwebtoken;version="0.9.1",io.jsonwebtoken.lang;version="0.9.1"
Implementation-Title: JSON Web Token support for the JVM
Implementation-Version: 0.9.1
Built-By: lhazlewood
Tool: Bnd-3.3.0.201609221906
Bundle-Name: JSON Web Token support for the JVM
Created-By: Apache Maven Bundle Plugin
Implementation-URL: https://github.com/jjwt/jjwt
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Implementation-Vendor-Id: io.jsonwebtoken
Bundle-Version: 0.9.1
Build-Jdk: 1.7.0_80
Bnd-LastModified: 1530831044984
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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is
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[This is the first released version of the library GPL. It is
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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Section 6 states terms for distribution of such executables.

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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
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Appendix: How to Apply These Terms to Your New Libraries

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
*loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStat PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstat() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
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*
* M. Welsh, 6 July 1996
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(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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GIMP Palette
Name: custompalette
Columns: 4
#

0 0 0  Index 3
65 38 30  Index 4
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

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GIMP Palette
Name: badpalettefile
Columns: 4
#
0 0 0  Index 3
0123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789
0123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11
GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: badpaletteentry
Columns: 4
#
0 0 0  Index 3
65 38
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

1.504 lombok 1.18.8
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1.505 libsgutils 1.37-12.el7
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1.506 libnfsidmap 0.25 19.el7

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Joseph Reagle <site-policy@w3.org>

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1.514 commons-logging 1.2

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  jaygJarJgpdaophpycommonsloggmlLogConfigurationException.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLog4JLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjlLogFactoryImpl.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLdk13LumberjackLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjSimpleLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLdk14ILogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLogSource.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjNoOpLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLogKitLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  javorgapachecommonsglogmlmpjLog.java

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1.515 xml-apis 2.0.2

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 * Base class for deriving an XML filter.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is designed to sit between an org.xml.sax.XMLReader
 * and the client application's event handlers. By default, it
 * does nothing but pass requests up to the reader and events
 * on to the handlers unmodified, but subclasses can override
 * specific methods to modify the event stream or the configuration
 * requests as they pass through.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *        <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.XMLFilter
 * @see org.xml.sax.XMLReader
 * @see org.xml.sax.EntityResolver
 * @see org.xml.sax.DTDHandler
 * @see org.xml.sax.ContentHandler
 * @see org.xml.sax.ErrorHandler
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/XMLFilterImpl.java
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/**
 * Basic interface for SAX error handlers.
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *<p>If a SAX application needs to implement customized error
 * handling, it must implement this interface and then register an
 * instance with the XML reader using the
 * <code>{@link org.xml.sax.XMLReader#setErrorHandler setErrorHandler}</code>
 * method. The parser will then report all errors and warnings
 * through this interface.</p>
 *
 * <p><strong>WARNING:</strong> If an application does not register an ErrorHandler, XML parsing errors will go unreported
 * and bizarre behaviour may result.</p>
 *
 * For XML processing errors, a SAX driver must use this interface
 * instead of throwing an exception: it is up to the application
 * to decide whether to throw an exception for different types of
 * errors and warnings. Note, however, that there is no requirement that
 * the parser continue to provide useful information after a call to
 * <code>{@link #fatalError fatalError}</code> (in other words, a SAX driver class
 * could catch an exception and report a fatalError).
 *
 * @since SAX 1.0
 * @author David Megginson,
 * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Parser#setErrorHandler
 * @see org.xml.sax.SAXParseException
 */

Found in path(s):
*/

// NO WARRANTY! This class is in the public domain.
/**
 * Interface for a list of XML attributes.
 *<blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>

// NO WARRANTY! This class is in the public domain.
This interface allows access to a list of attributes in three different ways:

- by attribute index;
- by Namespace-qualified name; or
- by qualified (prefixed) name.

The list will not contain attributes that were declared #IMPLIED but not specified in the start tag. It will also not contain attributes used as Namespace declarations (xmlns*) unless the <code>http://xml.org/sax/features/namespace-prefixes</code> feature is set to <var>true</var> (it is <var>false</var>) by default).

If the namespace-prefixes feature (see above) is <var>false</var>, access by qualified name may not be available; if the <code>http://xml.org/sax/features/namespaces</code> feature is <var>false</var>, access by Namespace-qualified names may not be available.

This interface replaces the now-deprecated SAX1 AttributeList interface, which does not contain Namespace support. In addition to Namespace support, it adds the <var>getIndex</var> methods (below).

The order of attributes in the list is unspecified, and will vary from implementation to implementation.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.helpers.AttributeListImpl

...
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em> </p>

* 

* <p>AttributeList implements the deprecated SAX1 [@link org.xml.sax.AttributeList AttributeList] interface, and has been replaced by the new SAX2 [@link org.xml.sax.helpers.AttributesImpl AttributesImpl] interface.</p>

* <p>This class provides a convenience implementation of the SAX [@link org.xml.sax.AttributeList AttributeList] interface. This implementation is useful both for SAX parser writers, who can use it to provide attributes to the application, and for SAX application writers, who can use it to create a persistent copy of an element's attribute specifications:</p>

* private AttributeList myatts;

* 

* public void startElement (String name, AttributeList atts)

* { 

*   // create a persistent copy of the attribute list 

*   // for use outside this method 

*   myatts = new AttributeListImpl(atts);

*   [...] 

* }

* </pre>

* </p>

* Please note that SAX parsers are not required to use this class to provide an implementation of AttributeList; it is supplied only as an optional convenience. In particular, parser writers are encouraged to invent more efficient implementations.</p>

* 

* @deprecated This class implements a deprecated interface, [AttributeList](https://www.saxproject.org); that interface has been replaced by [Attributes](https://www.saxproject.org), which is implemented in the [AttributesImpl](https://www.saxproject.org) helper class.

* @since SAX 1.0

* @author David Megginson,

*   <a href="mailto:sax@megginson.com">sax@megginson.com</a>

* @version 2.0

* @see org.xml.sax.AttributeList

* @see org.xml.sax.DocumentHandler#startElement

*/
// NO WARRANTY!  This class is in the Public Domain.
/**
 * Interface for an XML filter.
 * *<blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * An XML filter is like an XML reader, except that it obtains its
 * events from another XML reader rather than a primary source like
 * an XML document or database. Filters can modify a stream of
 * events as they pass on to the final application.</p>
 *
 * The XMLFilterImpl helper class provides a convenient base
 * for creating SAX2 filters, by passing on all \( @\text{link org.xml.sax.EntityResolver}\)
 * \( @\text{link org.xml.sax.DTDHandler DTDHandler} \),
 * \( @\text{link org.xml.sax.ContentHandler ContentHandler} \) and \( @\text{link org.xml.sax.ErrorHandler}\)
 * \( @\text{ErrorHandler} \) events automatically.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.helpers.XMLFilterImpl
 */

/*
 * Interface for associating a SAX event with a document location.
 * *<blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * If a SAX parser provides location information to the SAX
 * application, it does so by implementing this interface and then
 * passing an instance to the application using the content
 * handler's \( @\text{link org.xml.sax.ContentHandler#setDocumentLocator}\)
* setDocumentLocator} method. The application can use the
* object to obtain the location of any other content handler event
* in the XML source document.</p>
*
* <p>Note that the results returned by the object will be valid only
* during the scope of each content handler method: the application
* will receive unpredictable results if it attempts to use the
* locator at any other time.</p>
*
* <p>SAX parsers are not required to supply a locator, but they are
* very strongly encouraged to do so. If the parser supplies a
* locator, it must do so before reporting any other document events.
* If no locator has been set by the time the application receives
* the { @link org.xml.sax.ContentHandler#startDocument startDocument}
* event, the application should assume that a locator is not
* available.</p>
*
* @since SAX 1.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.ContentHandler#setDocumentLocator
*/

Found in path(s):
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/**
* Receive notification of basic DTD-related events.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
* </blockquote>
*<p>If a SAX application needs information about notations and
* unparsed entities, then the application implements this
* interface and registers an instance with the SAX parser using
* the parser's setDTDHandler method. The parser uses the
* instance to report notation and unparsed entity declarations to
* the application.</p>
*
* <p>Note that this interface includes only those DTD events that
* the XML recommendation <em>requires</em> processors to report:
* notation and unparsed entity declarations.</p>
*
* <p>The SAX parser may report these events in any order, regardless
of the order in which the notations and unparsed entities were
declared; however, all DTD events must be reported after the
document handler's startDocument event, and before the first
startElement event./p>

It is up to the application to store the information for
future use (perhaps in a hash table or object tree).
If the application encounters attributes of type "NOTATION",
"ENTITY", or "ENTITIES", it can use the information that it
obtained through this interface to find the entity and/or
notation corresponding with the attribute value./p>

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.Parser#setDTDHandler
@see org.xml.sax.HandlerBase
*/

Found in path(s):
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  jar/javax/xml/parsers/ConvertToURI.java

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/*
* Default base class for handlers.
* 
* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* 
* <p>This class implements the default behaviour for four SAX1
* interfaces: EntityResolver, DTDHandler, DocumentHandler,
* and ErrorHandler. It is now obsolete, but is included in SAX2 to
* support legacy SAX1 applications. SAX2 applications should use
* the [DefaultHandler](https://ドキュメント/DefaultHandler)
* class instead.&lt;/p&gt;
*
* &lt;p&gt;Application writers can extend this class when they need to
* implement only part of an interface; parser writers can
* instantiate this class to provide default handlers when the
* application has not supplied its own.&lt;/p&gt;
*
* &lt;p&gt;Note that the use of this class is optional.&lt;/p&gt;
*
* @deprecated This class works with the deprecated
* {DocumentHandler}
* interface. It has been replaced by the SAX2
* {DefaultHandler}
* class.
* @since SAX 1.0
* @author David Megginson,
* &lt;a href="mailto:sax@megginson.com">sax@megginson.com</a>&lt;/a&gt;
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.DocumentHandler
* @see org.xml.sax.ErrorHandler
*/

```
Found in path(s):
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```

```
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMBuilderFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMInputSource.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DocumentLS.java
```

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 */
/**
 * <strong>DOM Level 3 WD Experimental:</strong> The DOM Level 3 specification is at the stage
 * of Working Draft, which represents work in
 * progress and thus may be updated, replaced,
 * or obsoleted by other documents at any time.<strong> </strong><p>
 * <code>XPathEvaluator</code>, which will provide evaluation of XPath 1.0
 * expressions with no specialized extension functions or variables. It is
 * expected that the <code>XPathEvaluator</code> interface will be
 * implemented on the same object which implements the <code>Document</code>
 * interface in an implementation which supports the XPath DOM module.
 * <code>XPathEvaluator</code> implementations may be available from other
 * sources that may provide support for special extension functions or
 * variables which are not defined in this specification. The methods of
* XPathExpression should be named with more-XPath-specific names because
  * the interface will often be implemented by the same object which
  * implements document. No change. The point of interfaces is to localize the
  * implementing namespace. This would make the method names unnecessarily
  * long and complex even though there are no conflicts in the interface
  * itself. The new core method getInterface is designed for discovering
  * interfaces of additional modules that may not be directly implemented on
  * the objects to which they are attached. This could be used to implement
  * XPath on a separate object. The user only refers to the separate
  * interfaces and not the proprietary aggregate implementation. Should entity
  * refs be supported so that queries can be made on them? No change. We will
  * not do this now. They are not part of the XPath data model. Note that
  * they may be present in the hierarchy of returned nodes, but may not
  * directly be requested or returned in the node set. What does createResult
  * create when one wants to reuse the XPath? It is not useful. Removed method.
  * Should ordering be a separate flag, or a type of result that can be
  * requested. As a type of result, it can be better optimized in
  * implementations. It makes sense as a type of result. Changed. Removed
  * method. Implementing XPath Evaluator on Document can be a problem due to
  * conflicts in the names of the methods. The working group finds no better
  * solution. GetInterface in Level 3 permits the object to be implemented
  * separately. We should be committed to this. We will leave this issue open
  * to see if we get more feedback on it. How does this interface adapt to
  * XPath 2.0 and other query languages? No change. This interface is not
  * intended to adapt to XPath 2.0 or other languages. The models of these
  * are likely to be incompatible enough to require new APIs. For alternate
  * implementations that can use this APL, it can be obtained from different
  * sources. Support for custom variables and functions would be very useful.
  * No change. It is possible for an implementation to supply alternative
  * sources of an XPath Evaluator that can be customized with a custom
  * variable and function context. We do not specify how this is
  * accomplished. It is too complex to address in this version of the XPath
  * DOM.
  *<p>See also the <a href='http://www.w3.org/TR/2002/WD-DOM-Level-3-XPath-20020328'>Document Object
  * Model (DOM) Level 3 XPath Specification</a>.</p>

Found in path(s):
/*
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
 * jar/org/w3c/dom/xpath/XPathEvaluator.java
 * No license file was found, but licenses were detected in source scan.

/**
 * Interface for an element's attribute specifications.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 */
This is the original SAX1 interface for reporting an element’s attributes. Unlike the new Attributes interface, it does not support Namespace-related information.

When an attribute list is supplied as part of a scope event, the list will return valid results only during the scope of the event; once the event handler returns control to the parser, the attribute list is invalid. To save a persistent copy of the attribute list, use the SAX1 AttributeListImpl helper class.

An attribute list includes only attributes that have been specified or defaulted: #IMPLIED attributes will not be included.

There are two ways for the SAX application to obtain information from the AttributeList. First, it can iterate through the entire list:

```java
public void startElement (String name, AttributeList atts) {
  for (int i = 0; i < atts.getLength(); i++) {
    String name = atts.getName(i);
    String type = atts.getType(i);
    String value = atts.getValue(i);
    [...]
  }
}
```

(Note that the result of getLength() will be zero if there are no attributes.)

As an alternative, the application can request the value or type of specific attributes:

```java
public void startElement (String name, AttributeList atts) {
  String identifier = atts.getValue("id");
  String label = atts.getValue("label");
  [...]
}
```

@deprecated This interface has been replaced by the SAX2
* @link org.xml.sax.Attributes Attributes
* interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.DocumentHandler#startElement
* @see org.xml.sax.helpers.AttributeListImpl
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/AttributeList.java
No license file was found, but licenses were detected in source scan.

/**
* Receive notification of general document events.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* This was the main event-handling interface for SAX1; in
* SAX2, it has been replaced by { @link org.xml.sax.ContentHandler
* ContentHandler }, which provides Namespace support and reporting
* of skipped entities. This interface is included in SAX2 only
* to support legacy SAX1 applications.</p>
*
* The order of events in this interface is very important, and
* mirrors the order of information in the document itself. For
* example, all of an element's content (character data, processing
* instructions, and/or subelements) will appear, in order, between
* the startElement event and the corresponding endElement event.</p>
*
* Application writers who do not want to implement the entire
* interface can derive a class from HandlerBase, which implements
* the default functionality; parser writers can instantiate
* HandlerBase to obtain a default handler. The application can find
* the location of any document event using the Locator interface
* supplied by the Parser through the setDocumentLocator method.</p>
*
* @deprecated This interface has been replaced by the SAX2
* { @link org.xml.sax.ContentHandler
* ContentHandler } interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setDocumentHandler
* @see org.xml.sax.Locator
* @see org.xml.sax.HandlerBase
*/

Found in path(s):
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// NO WARRANTY! This class is in the Public Domain.
/**
* Factory for creating an XML reader.
* ...
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with *strong>* NO WARRANTY </em>.</blockquote>
* </blockquote>
* ...
* <p>This class contains static methods for creating an XML reader
* from an explicit class name, or based on runtime defaults:</p>
* ...
* <pre>
* try {
* XMLReader myReader = XMLReaderFactory.createXMLReader();
* } catch (SAXException e) {
* System.err.println(e.getMessage());
* }
* </pre>
* ...
* <p><strong>Note to Distributions bundled with parsers:</strong> You should modify the implementation of the no-arguments
* <em>createXMLReader</em> to handle cases where the external
* configuration mechanisms aren't set up. That method should do its
* best to return a parser when one is in the class path, even when
* nothing bound its class name to <code>org.xml.sax.driver</code> so
* those configuration mechanisms would see it.</p>
* ...
* @since SAX 2.0
* @author David Megginson, David Brownell
* @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLReaderFactory.java
// This class is in the Public Domain.  NO WARRANTY!
/**
 * Encapsulate Namespace logic for use by SAX drivers.
 *
 * This class encapsulates the logic of Namespace processing:
 * it tracks the declarations currently in force for each context
 * and automatically processes qualified XML 1.0 names into their
 * Namespace parts; it can also be used in reverse for generating
 * XML 1.0 from Namespaces.</p>
 *
 * Namespace support objects are reusable, but the reset method
 * must be invoked between each session.</p>
 *
 * Here is a simple session:

```java
String parts[] = new String[3];
NamespaceSupport support = new NamespaceSupport();

support.pushContext();
support.declarePrefix("", "http://www.w3.org/1999/xhtml");
support.declarePrefix("dc", "http://www.purl.org/dc#");

String parts[] = support.processName("p", parts, false);
System.out.println("Namespace URI: " + parts[0]);
System.out.println("Local name: " + parts[1]);
System.out.println("Raw name: " + parts[2]);

String parts[] = support.processName("dc:title", parts, false);
System.out.println("Namespace URI: " + parts[0]);
System.out.println("Local name: " + parts[1]);
System.out.println("Raw name: " + parts[2]);

support.popContext();
```

* Note that this class is optimized for the use case where most
  elements do not contain Namespace declarations: if the same
  prefix/URI mapping is repeated for each context (for example), this
  class will be somewhat less efficient.

*
// NO WARRANTY! This class is in the public domain.
/**
 * Default base class for SAX2 event handlers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is available as a convenience base class for SAX2
 * applications: it provides default implementations for all of the
 * callbacks in the four core SAX2 handler classes:
 *
 * <ul>
 * <li>{@link org.xml.sax.EntityResolver EntityResolver}</li>
 * <li>{@link org.xml.sax.DTDHandler DTDHandler}</li>
 * <li>{@link org.xml.sax.ContentHandler ContentHandler}</li>
 * <li>{@link org.xml.sax.ErrorHandler ErrorHandler}</li>
 * </ul>
 *
 * Application writers can extend this class when they need to
 * implement only part of an interface; parser writers can
 * instantiate this class to provide default handlers when the
 * application has not supplied its own.
 *
 * This class replaces the deprecated SAX1
 * {@link org.xml.sax.HandlerBase HandlerBase} class.
 */

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
*/

Found in path(s):
*/

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/\* 
* Encapsulate an XML parse error or warning.
* 
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em></blockquote>
* 
* This exception will include information for locating the error
* in the original XML document. Note that although the application
* will receive a SAXParseException as the argument to the handlers
* in the {@link org.xml.sax.ErrorHandler ErrorHandler} interface,
* the application is not actually required to throw the exception;
* instead, it can simply read the information in it and take a
* different action.\*/
* 
* Since this exception is a subclass of {@link org.xml.sax.SAXException
* SAXException}, it inherits the ability to wrap another exception.\*/
* 
* @since SAX 1.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXException
* @see org.xml.sax.Locator
* @see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/SAXParseException.java
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* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
* PURPOSE.
* See W3C License http://www.w3.org/Consortium/Legal/ for more details.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ranges/RangeException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/CharacterData.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/NamedNodeMap.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Text.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/Event.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/Notation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/DocumentEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/EventTarget.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Attr.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ProcessingInstruction.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/EventException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/traversal/TreeWalker.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/MutationEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Comment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/EntityReference.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/DocumentFragment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/CDATASection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Node.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/NodeList.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/DocumentType.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/DOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ranges/DocumentRange.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/Element.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ranges/Range.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
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/**
 * Basic interface for resolving entities.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * If a SAX application needs to implement customized handling
 * for external entities, it must implement this interface and
 * register an instance with the SAX driver using the
 * {@link org.xml.sax.XMLReader#setEntityResolver setEntityResolver} method.
 *
 * The XML reader will then allow the application to intercept any
 * external entities (including the external DTD subset and external
 * parameter entities, if any) before including them.
 *
 * Many SAX applications will not need to implement this interface,
 * but it will be especially useful for applications that build
 * XML documents from databases or other specialised input sources,
 * or for applications that use URI types other than URLs.
 *
 * The following resolver would provide the application
 * with a special character stream for the entity with the system
 * identifier "http://www.myhost.com/today":
 *
 * import org.xml.sax.EntityResolver;
 * import org.xml.sax.InputSource;
 *
 * public class MyResolver implements EntityResolver
 * {
 * public InputSource resolveEntity (String publicId, String systemId)
 * {
 * if (systemId.equals("http://www.myhost.com/today")) {
 * // return a special input source
 * MyReader reader = new MyReader();
 * return new InputSource(reader);
 * } else {
 * // use the default behaviour
 * return null;
 * }
 * }
 * }
The application can also use this interface to redirect system identifiers to local URIs or to look up replacements in a catalog (possibly by using the public identifier).

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.Parser#setEntityResolver
@see org.xml.sax.InputSource

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOptionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDDListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLAttachmentElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLSummaryElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLCSSImportElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLStyleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLScriptElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLStyleMediaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLIframeElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLNoFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTitleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTrackElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTracklistElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLLinkElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLPanelElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLPromptElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHJSElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLIFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLParagraphElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLMediaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLSpanElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLPreElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLEmptyElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLModElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableCaptionElement.java
/**
 * Provide an optional convenience implementation of Locator.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is available mainly for application writers, who
 * can use it to make a persistent snapshot of a locator at any
 * point during a document parse:
 *
 * <pre>
 * Locator locator;
 * Locator startloc;
 *
 * public void setLocator (Locator locator)
 * {
 *     // note the locator
 *     this.locator = locator;
 * }
 *
 * public void startDocument ()
 * {
 *     // save the location of the start of the document
 *     // for future use.
 *     Locator startloc = new LocatorImpl(locator);
 * }
 * </pre>
 *
 * Normally, parser writers will not use this class, since it
 * is more efficient to provide location information only when
 * requested, rather than constantly updating a Locator object.
 *
 * @since SAX 1.0
 * @author David Megginson,
 * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Locator Locator
 */
/*
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Interface for reading an XML document using callbacks.
 *
 * @see <blockquote>
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 *
 * <em>XMLReader is the interface that an XML parser's SAX2 driver must</em>
 * extend the standard Java [ @link java.io.Reader Reader]
 * interface, because reading XML is a fundamentally different activity
 * than reading character data.</p>
 *
 * XMLReader is the interface that an XML parser's SAX2 driver must
 * implement. This interface allows an application to set and
 * query features and properties in the parser, to register
 * event handlers for document processing, and to initiate
 * a document parse.</p>
All SAX interfaces are assumed to be synchronous: the
parse methods must not return until parsing
is complete, and readers must wait for an event-handler callback
to return before reporting the next event.</p>

This interface replaces the (now deprecated) SAX 1.0 Parser interface. The XMLReader interface
contains two important enhancements over the old Parser
interface:</p>

ol>
i>it adds a standard way to query and set features and
properties; and</li>
i>it adds Namespace support, which is required for many
higher-level XML standards.</li>
</ol>

There are adapters available to convert a SAX1 Parser to
a SAX2 XMLReader and vice-versa.</p>

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.XMLFilter
@see org.xml.sax.helpers.ParserAdapter
@see org.xml.sax.helpers.XMLReaderAdapter
*/

A single input source for an XML entity.

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Public Domain, and comes with NO WARRANTY.</p>

This class allows a SAX application to encapsulate information
about an input source in a single object, which may include
a public identifier, a system identifier, a byte stream (possibly
with a specified encoding), and/or a character stream.</p>

There are two places that the application will deliver this
input source to the parser: as the argument to the Parser.parse method, or as the return value of the EntityResolver.resolveEntity method.

The SAX parser will use the InputSource object to determine how to read XML input. If there is a character stream available, the parser will read that stream directly; if not, the parser will use a byte stream, if available; if neither a character stream nor a byte stream is available, the parser will attempt to open a URI connection to the resource identified by the system identifier.

An InputSource object belongs to the application: the SAX parser shall never modify it in any way (it may modify a copy if necessary).

@since SAX 1.0
@author David Megginson, sax@megginson.com
@version 2.0
@see org.xml.sax.Parser#parse
@see org.xml.sax.EntityResolver#resolveEntity
@see java.io.InputStream
@see java.io.Reader

Found in path(s):
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/InputSource.java

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// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 *
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 *
 * An XMLReader will throw this exception when it recognizes a feature or property identifier, but cannot perform the requested operation (setting a state or value). Other SAX2 applications and extensions may use this class for similar purposes.
 *
 @since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
* @see org.xml.sax.SAXNotRecognizedException
*/

Found in path(s):
*/ /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/SAXNotSupportedException.java
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  jar/javax/xml/parsers/SecuritySupport.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/javax/xml/parsers/SecuritySupport12.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/SecuritySupport12.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/SecuritySupport.java
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/package.html
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// NO WARRANTY! This class is in the public domain.
/**
 * Adapt a SAX1 Parser as a SAX2 XMLReader.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
 * </blockquote>
This class wraps a SAX1 [link org.xml.sax.Parser Parser] and makes it act as a SAX2 [link org.xml.sax.XMLReader XMLReader], with feature, property, and Namespace support. Note that it is not possible to report [link org.xml.sax.ContentHandler#skippedEntity skippedEntity] events, since SAX1 does not make that information available.

This adapter does not test for duplicate Namespace-qualified attribute names.

@since SAX 2.0
@author David Megginson, <a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.helpers.XMLReaderAdapter
@see org.xml.sax.XMLReader
@see org.xml.sax.Parser

Adapt a SAX1 AttributeList as a SAX2 Attributes object.

This class is in the Public Domain, and comes with NO WARRANTY of any kind.

This wrapper class is used only when Namespace support is disabled -- it provides pretty much a direct mapping from SAX1 to SAX2, except that names and types are interned whenever requested.

Default implementation of the Attributes interface.

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This class provides a default implementation of the SAX2 Attributes interface, with the

---

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* addition of manipulators so that the list can be modified or
* reused.</p>
* 
* <p>There are two typical uses of this class:</p>
* 
* <ol>
* <li>to take a persistent snapshot of an Attributes object
* in a {@link org.xml.sax.ContentHandler#startElement startElement} event; or</li>
* <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
* </ol>
* 
* <p>This class replaces the now-deprecated SAX1 {@link
* org.xml.sax.helpers.AttributeListImpl AttributeListImpl} class; in addition to supporting the updated Attributes
* interface rather than the deprecated {@link org.xml.sax.AttributeList
* AttributeList} interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
* 
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/AttributesImpl.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Create a new instance of a class by name.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class contains a static method for creating an instance of a
 * class from an explicit class name. It tries to use the thread's context
 * ClassLoader if possible and falls back to using
 * Class.forName(String). It also takes into account JDK 1.2+'s
 * AccessController mechanism for performing its actions.</p>
 *
 * <p>This code is designed to run on JDK version 1.1 and later and compile
 * on versions of Java 2 and later.</p>
 *
Found in path(s):
*/

* Encapsulate a general SAX error or warning.
*

* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
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*

* <p>This class can contain basic error or warning information from
* either the XML parser or the application: a parser writer or
* application writer can subclass it to provide additional
* functionality. SAX handlers may throw this exception or
* any exception subclassed from it.</p>
*

* <p>If the application needs to pass through other types of
* exceptions, it must wrap those exceptions in a SAXException
* or an exception derived from a SAXException.</p>
*

* <p>If the parser or application needs to include information about a
* specific location in an XML document, it should use the
* [%link org.xml.sax.SAXParseException SAXParseException] subclass.</p>
*

* @since SAX 1.0
* @author David Megginson,
*<a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXParseException
*/

// NO WARRANTY! This class is in the Public Domain.
/**
* Exception class for an unrecognized identifier.
*
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*

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<blockquote>
<p>An XMLReader will throw this exception when it finds an unrecognized feature or property identifier; SAX applications and extensions may use this class for other, similar purposes.</p>
</blockquote>

* @since SAX 2.0
* @author David Megginson,
*      <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXNotSupportedException
*/

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*/
/**
 * Create a new <code>DOMBuilder</code>. The newly constructed parser may
 * then be configured by means of its <code>setFeature</code> method,
 * and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode  The <code>mode</code> argument is either
 *   <code>MODE_SYNCHRONOUS</code> or <code>MODEASYNCHRONOUS</code>, if
 *   <code>mode</code> is <code>MODEASYNCHRONOUS</code> then the
* `<code>DOMBuilder</code>` that is created will operate in synchronous mode, if it's `<code>MODEASYNCHRONOUS</code>` then the
* `<code>DOMBuilder</code>` that is created will operate in asynchronous mode.
* `@param schemaType` An absolute URI representing the type of the schema language used during the load of a `<code>Document</code>` using the newly created `<code>DOMBuilder</code>`. Note that no lexical checking is done on the absolute URI. In order to create a `<code>DOMBuilder</code>` for any kind of schema types (i.e. the `<code>DOMBuilder</code>` will be free to use any schema found), use the value `<code>null</code>`. For W3C XML Schema, applications must use the value `<code>"http://www.w3.org/2001/XMLSchema"</code>`. For XML DTD, applications must use the value `<code>"http://www.w3.org/TR/REC-xml"</code>`. Other Schema languages are outside the scope of the W3C and therefore should recommend an absolute URI in order to use this method.
* `@return` The newly created `<code>DOMBuilder</code>` object. This `<code>DOMBuilder</code>` is either synchronous or asynchronous depending on the value of the `<code>mode</code>` argument. By default, the newly created `<code>DOMBuilder</code>` does not contain a `<code>DOMErrorHandler</code>`, i.e. the value of the `<code>errorHandler</code>` is `<code>null</code>`. However, implementations may provide a default error handler at creation time. In that case, the initial value of the `<code>errorHandler</code>` attribute on the new created `<code>DOMBuilder</code>` contains a reference to the default error handler.
* `@exception DOMException` NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is not supported.
*

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/ls/DOMImplementationLS.java
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/**
 * Basic interface for SAX (Simple API for XML) parsers.
 *
 * `<em>`This module, both source code and documentation, is in the
 * Public Domain, and comes with `<strong>`NO WARRANTY`</strong>.`</em>
 * `</blockquote>`
 *
 * `<p>`This was the main event supplier interface for SAX1; it has
 * been replaced in SAX2 by `{link org.xml.sax.XMLReader XMLReader}`, which includes Namespace support and sophisticated configurability
* and extensibility.</p>
*
* <p>All SAX1 parsers must implement this basic interface: it allows
* applications to register handlers for different types of events
* and to initiate a parse from a URI, or a character stream.</p>
*
* <p>All SAX1 parsers must also implement a zero-argument constructor
* (though other constructors are also allowed).</p>
*
* <p>SAX1 parsers are reusable but not re-entrant: the application
* may reuse a parser object (possibly with a different input source)
* once the first parse has completed successfully, but it may not
* invoke the parse() methods recursively within a parse.</p>
*
* @deprecated This interface has been replaced by the SAX2
*     [link org.xml.sax.XMLReader XMLReader] interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.DocumentHandler
* @see org.xml.sax.ErrorHandler
* @see org.xml.sax.HandlerBase
* @see org.xml.sax.InputSource
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Parser.java
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/**
 * SAX2 extension handler for DTD declaration events.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p>This is an optional extension handler for SAX2 to provide
 * information about DTD declarations in an XML document. XML
 * readers are not required to support this handler, and this
 * handler is not included in the core SAX2 distribution.</p>
 * *
 * <p>Note that data-related DTD declarations (unparsed entities and
* notations) are already reported through the [{@link org.xml.sax.DTDHandler DTDHandler}] interface.</p>

*p>* If you are using the declaration handler together with a lexical handler, all of the events will occur between the
* [{@link org.xml.sax.ext.LexicalHandler#startDTD startDTD} startDTD] and the
* [{@link org.xml.sax.ext.LexicalHandler#endDTD endDTD} endDTD] events.</p>

*p>* To set the DecHandler for an XML reader, use the
* [{@link org.xml.sax.XMLReader#setProperty setProperty} setProperty] method
* with the propertyId "http://xml.org/sax/properties/declaration-handler".
* If the reader does not support declaration events, it will throw a
* [{@link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException}] or a
* [{@link org.xml.sax.SAXNotSupportedException SAXNotSupportedException}] when you attempt to register the handler.</p>

<p>* @since 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 1.0
* @see org.xml.sax.XMLReader
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ext/DeclHandler.java
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/**
* Java-specific class for dynamically loading SAX parsers.
*
* * <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
* for further information.
* </blockquote>

<p>* **Note:** This class is designed to work with the now-deprecated
* SAX1 [%@link org.xml.sax.Parser Parser] class. SAX2 applications should use
* [%@link org.xml.sax.helpers.XMLReaderFactory XMLReaderFactory] instead.</p>

*p>* ParserFactory is not part of the platform-independent definition
* of SAX; it is an additional convenience class designed
* specifically for Java XML application writers. SAX applications
* can use the static methods in this class to allocate a SAX parser
* dynamically at run-time based either on the value of the
* `org.xml.sax.parser` system property or on a string containing the class
* name.</p>
*
* <p>Note that the application still requires an XML parser that
* implements SAX1.</p>
*
* @deprecated This class works with the deprecated
*             { @link org.xml.sax.Parser Parser} interface.
* @since SAX 1.0
* @author David Megginson
* @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/ParserFactory.java
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// NO WARRANTY! This class is in the public domain.
/** *
 * Adapt a SAX2 XMLReader as a SAX1 Parser.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class wraps a SAX2 \{@link org.xml.sax.XMLReader XMLReader\} and makes it act as a SAX1 \{@link org.xml.sax.Parser Parser\}. The XMLReader must support a true value for the http://xml.org/sax/features/namespace-prefixes property or parsing will fail with a \{@link org.xml.sax.SAXException SAXException\}; if the XMLReader supports a false value for the http://xml.org/sax/features/namespaces property, that will also be used to improve efficiency.</p>
This class, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY. This is the main interface that most SAX applications implement: if the application needs to be informed of basic parsing events, it implements this interface and registers an instance with the SAX parser using the `setContentHandler` method. The parser uses the instance to report basic document-related events like the start and end of elements and character data. The order of events in this interface is very important, and mirrors the order of information in the document itself. For example, all of an element's content (character data, processing instructions, and/or subelements) will appear, in order, between the startElement event and the corresponding endElement event.

This interface is similar to the now-deprecated SAX 1.0 DocumentHandler interface, but it adds support for Namespaces and for reporting skipped entities (in non-validating XML processors).

Implementors should note that there is also a Java class `ContentHandler` in the java.net package; that means that it's probably a bad idea to do...
In fact, "import ...*" is usually a sign of sloppy programming anyway, so the user should consider this a feature rather than a bug.©

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.XMLReader
@see org.xml.sax.DTDHandler
@see org.xml.sax.ErrorHandler
/

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/**
 * SAX2 extension handler for lexical events.
 *
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 * </blockquote>
 *
 * This is an optional extension handler for SAX2 to provide
 * lexical information about an XML document, such as comments
 * and CDATA section boundaries; XML readers are not required to
 * support this handler, and it is not part of the core SAX2
 * distribution.</p>
 *
 * The events in the lexical handler apply to the entire document,
 * not just to the document element, and all lexical handler events
 * must appear between the content handler's startDocument and
 * endDocument events.</p>
 *
 * To set the LexicalHandler for an XML reader, use the
 * { @link org.xml.sax.XMLReader#setProperty setProperty } method
 * with the propertyId "http://xml.org/sax/properties/lexical-handler".
 * If the reader does not support lexical events, it will throw a
 * { @link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException } or a
 * { @link org.xml.sax.SAXNotSupportedException SAXNotSupportedException } when you attempt to register the handler.</p>
1.516 nginx 1.10.1

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 *
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 *
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.525 sed 4.2.2

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1.535 gstreamer 1.10.4 2.el7

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If such an object file uses only numerical parameters, data
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Appendix: How to Apply These Terms to Your New Libraries
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Ty Coon, President of Vice

That's all there is to it!
FSF lawyers, so we view them as the final interpretation on how the GPL and LGPL interact with patents in our opinion. This consultancy was paid for by Fluendo in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

Can someone distribute the combination of

- GStreamer, the LGPL library
- MyPlayer, a GPL playback application
- The binary-only Sorenson decoder

together in one distribution/operating system? If not, what needs to be changed to make this possible?

This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.

Note: MyPlayer is a completely fictitious application at the time of writing.
Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

If a program released under the GPL uses a library that is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in?

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.

Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway?

If he/she visits the US, can he/she be arrested?
Yes, he can.

No, there are no criminal penalties for patent infringement in the US.

Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?

This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent infringing devices, including software.

There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?

The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

The GPL and LGPL say (sections 7 and 11):

If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.
<qa id="legal-gpl-court-judgment">
<p>So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?</p>
</qa>

<qa id="legal-gpl-and-binary">
<p>Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library. Does this affect the licensing issues involved in regards to GPL/LGPL?</p>
</qa>

<qa id="legal-gpl-patent-distribution">
<p>Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?</p>
</qa>
The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

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1.536 gmp 6.0.0

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.544 pixman 0.34.0 1.el7

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The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

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### 1.556 kerberos 1.15

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cmd/krb5/iprop/iprop_hdr.h

cmd/krb5/kadmin/server/ipropd_svc.c

cmd/krb5/kproplog/kproplog.c

cmd/krb5/slave/kpropd_rpc.c

lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h

lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
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lib/gssapi/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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* /opt/ws_local/PERMITS_SQL/1068497208_1594393159.94/0/netty-transport-native-epoll-4-1-49-final-sources-jar/netty_epoll_linuxsocket.h
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 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
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 * Set the {@code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
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ar/jar/org/hibernate/validator/internal/metadata/xml/AbstractStaxBuilder.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForDouble.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForInteger.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfFloat.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/logic/impl/ValidatorImpl.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/engine/messageinterpolation/package-info.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/engine/messageinterpolation/MessageInterpolator.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/metadata/raw/BeanConfiguration.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/constraints/br/CPF.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/metadata/aggregated/PotentiallyContainerCascadingMetaData.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/metadata/xml/AbstractStaxBuilder.java  
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ar/jar/org/hibernate/validator/internal/metadata/aggregated/PotentiallyContainerCascadingMetaData.java  
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ar/jar/org/hibernate/validator/internal/metadata/xml/mapping/ConstrainedGetterStaxBuilder.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/metadata/xml/AbstractStaxBuilder.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForZonedDateTime.java  
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
ar/jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForMinguoDate.java  
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ar/jar/org/hibernate/validator/internal/engine/groups/Sequence.java

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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/engine/valueextraction/BooleanArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/MaxValidatorForCharSequence.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForCharSequence.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalNumberComparatorHelper.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForCalendar.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/path/package-info.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/package-info.java
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jar/org/hibernate/validator/internal/util/StringHelper.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/cfg/defs/br/TituloEleitoralDef.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/classhierarchy/Filter.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/metadata/aggregated/FieldCascadable.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForFloat.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForYearMonth.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/notEmpty/NotEmptyValidatorForCollection.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForYear.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForHijrahDate.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/ParameterMetaData.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/HibernateValidator.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/util/annotation/AnnotationFactory.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/constraints/Email.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/Incubating.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/config/MinDef.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/cfg/context/PropertyConstraintMappingContextImpl.java
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/*
 * Hibernate Validator, declare and validate application constraints
 *
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/util/TypeHelper.java

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 * Hibernate Validator, declare and validate application constraints
 *
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 */
/*
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/

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/*
* Hibernate Validator, declare and validate application constraints
* 
* License: Apache License, Version 2.0
* See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
*/

*/
* <p>
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java

1.567 json-c 0.99.5
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1.568 libvisual 0.4.0 16.el7

1.568.1 Available under license:

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(For example, a function in a library to compute square roots has
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.585 nettle 2.7.1 8.el7
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From 99148c19bd9149bb938309ffb6b4dcde20b67934 Mon Sep 17 00:00:00 2001
From: Zhilong Liu <zlliu@suse.com>
Date: Tue, 2 May 2017 17:27:13 +0800
Subject: [RHEL7.5 PATCH 105/169] change back 0644 permission for Grow.c

Fixes commit:
26714713cd2b ("mdadm: Change timestamps to unsigned data type.")

Signed-off-by: Zhilong Liu <zlliu@suse.com>
Signed-off-by: Jes Sorensen <jsorensen@fb.com>
---
Grow.c | 0
1 file changed, 0 insertions(+), 0 deletions(-)
mode change 100755 => 100644 Grow.c

diff --git a/Grow.c b/Grow.c
old mode 100755
new mode 100644
--
2.7.4
1.595 I ssize 0.27

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/** *
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
* *
* <p>The XSLT Source object is supplied as a parameter in the model and then
* [@link #locateSource detected] during response rendering. Users can either specify
* a specific entry in the model via the [@link #setSourceKey sourceKey] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [@link #getSourceTypes() here]
* for more details.
* *
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [@link #setOutputProperties output properties]
* to be passed to the Transformer.
* *
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/ProducesRequestCondition.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceHttpRequestHandler.java
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* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ContentNegotiationConfigurer.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
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* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/cola/permits/1137623979_161409129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ContentNegotiationConfigurer.java
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* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/resource/VersionStrategy.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/resource/VersionPathStrategy.java
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* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java
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* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/tags/ArgumentAware.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-jar/org/springframework/web/servlet/NoHandlerFoundException.java

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  jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMappingJacksonResponseBodyAdvice.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5.1.12-release-sources-1-
  jar/org/springframework/web/servlet/config/annotation/UrlParserRegistration.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5.1.12-release-sources-1-
  jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5.1.12-release-sources-1-
  jar/org/springframework/web/servlet/FlashMapManager.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5.1.12-release-sources-1-
  jar/org/springframework/web/servlet/support/SessionFlashMapManager.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5.1.12-release-sources-1-
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* @author Rossen Stoyanchev
* @since 3.1
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jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-
jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
* /opt/cola/permits/1137623979_1614109129.55/0/spring-webmvc-5-1-12-release-sources-1-
jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java

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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/MethodHandleByNative.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/MethodHandleByNativeWrapper.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/MethodHandleByProxy.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/MethodHandleByProxyDelegate.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/MethodHandleBySignature.java
jar/javassist/tools/reflect/Loader.java
*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/convert/TransformFieldAccess.java
*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/bytecode/DuplicateMemberException.java
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*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/bytecode/StackMapTable.java
*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/util/HotSwapAgent.java
*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/compiler/MemberCodeGen.java
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*/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-java/javassist/compiler/AccessorMaker.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/Annotation.java
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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-- Wolfgang Denk

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 *
 * FreeBSD strace list
 *
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 */

{ TARGET_FREEBSD_NR___acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_file, "__acl_aclcheck_file", "%s(\%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_link, "__acl_aclcheck_link", "%s(\%s\", %d, %#x)", NULL, NULL },
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- TARGET_FREEBSD_NR__acl_delete_fd, "_acl_delete_fd", "%s(%d, %d)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_delete_file, "_acl_delete_file", "%s("%s", %d)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_delete_link, "_acl_delete_link", "%s("%s", %d)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_get_fd, "_acl_get_fd", "%s(%d, %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_get_file, "_acl_get_file", "%s("%s", %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_get_link, "_acl_get_link", "%s("%s", %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_set_fd, "_acl_set_fd", "%s(%d, %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_set_file, "_acl_set_file", "%s("%s", %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__acl_set_link, "_acl_set_link", "%s("%s", %d, %x)", NULL, NULL,
- TARGET_FREEBSD_NR__semctlna, "_semctlna", NULL, NULL, NULL,
- TARGET_FREEBSD_NR__syscall, "__syscall", NULL, NULL, NULL,
- TARGET_FREEBSD_NR__syssctlna, "__syssctlna", NULL, print_systctl, NULL,
- TARGET_FREEBSD_NR_accept, "accept", "%s(%d, %d, %d, %x, %x)", NULL, NULL,
- TARGET_FREEBSD_NR_access, "access", "%s("%s",%#o)", NULL, NULL,
- TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_chdir, "chdir", "%s("%s")", NULL, NULL,
- TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_chmod, "chmod", "%s("%s",%#o)", NULL, NULL,
- TARGET_FREEBSD_NR_chown, "chown", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_chroot, "chroot", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_clock_getres, "clock_getres", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_clock_settime, "clock_settime", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_close, "close", "%s(%d)", NULL, NULL,
- TARGET_FREEBSD_NR_connect, "connect", "%s(%d,%#x,%d)", NULL, NULL,
- TARGET_FREEBSD_NR_dup, "dup", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL,
- TARGET_FREEBSD_NR_eaccess, "eaccess", "%s("%s","%#x")", NULL, NULL,
- TARGET_FREEBSD_NR_exit, "exit", "%s("%d")", NULL, NULL,
Open Source Used In NFVIS Branch Virtualization 4.6.2  7334

{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(\"%s\",\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_listen, "listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lstat, "lstat", "%s("%s",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", "madvise", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s("%s",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknod, "mknod", "%s("%s",%#o,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR-msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s("%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d, "%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s("%s", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_profif, "profif", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pvwrite, "pvwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pvwritev, "pvwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%#d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s("%s",%p,%#d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s\("%s",\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d, %d, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk, "sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid, "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_signalstack, "signalstack", "%s(%p,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sigpending, "sigpending", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigprocmask, "sigprocmask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigret, "sigreturn", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socket, "socket", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk", "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s\("%s",\"%p\)", NULL, NULL },
{ TARGET_FREEBSD_NR_stats", "%s\("%s",\"%p\)", NULL, NULL },
void X86EMU_trace_regs (void)
{
    if (DEBUG_TRACE()) {
        x86emu_dump_regs();
    } else {
        x86emu_dump_xregs();
    }
}

if (DEBUG_DECODE() && !DEBUG_DECODE_NOPRINT()) {
    printf("\%04x: \%04x ", M.x86.saved_cs, M.x86.saved_ip);
    for (i=0; i< M.x86.enc_pos; i++) {
        sprintf(buf1+2*i,"\%02x", fetch_data_byte_abs(s,o+i));
    }
    printf("\%-20s",buf1);
}
static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops2.c20 Mar 2008 15:49:34 -0000	1.3
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
 DECODE_PRINTF2("%04x\n", target);
 TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
+        M.x86.R_IP = (u16)target;
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+    }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+}
+end_of_instruction();
+****************************************************************************
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+    // perform the byte swap
+    s32 temp = reg;
+    reg = (temp & 0xFF000000) >> 24;
+    reg |= (temp & 0xFF0000) >> 8;
+    reg |= (temp & 0xFF00) << 8;
+    reg |= (temp & 0xFF) << 24;
+    return reg;
+}
+void x86emuOp2_bswap(u8 op2)
+{
+    /* byte swap 32 bit register */
+    START_OF_INSTR();
+    DECODE_PRINTF("BSWAP\t");
+    switch (op2) {
+        case 0xc8:
+        DECIDE_PRINTF("EAX\n");
+        break;
M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
break;
+ case 0xc9:
+ DECODE_PRINTF("ECX\n");
+ M.x86.R(ECX = x86emu_bswap(M.x86.R(ECX);
+ break;
+ case 0xca:
+ DECODE_PRINTF("EDX\n");
+ M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+ break;
+ case 0xcb:
+ DECODE_PRINTF("EBX\n");
+ M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+ break;
+ case 0xcc:
+ DECODE_PRINTF("ESP\n");
+ M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+ break;
+ case 0xcd:
+ DECODE_PRINTF("EBP\n");
+ M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+ break;
+ case 0xce:
+ DECODE_PRINTF("ESI\n");
+ M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+ break;
+ case 0xcf:
+ DECODE_PRINTF("EDI\n");
+ M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
+ break;
+
+ TRACE_AND_STEP();
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+
+ /* 0xc5 */ x86emuOp2_illegal_op,
+ /* 0xc6 */ x86emuOp2_illegal_op,
+ /* 0xc7 */ x86emuOp2_illegal_op,
+ /* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+ /* 0xc8 */ x86emuOp2_bswap,
/* 0xc9 */ x86emuOp2_bswap,
/* 0xca */ x86emuOp2_bswap,
/* 0xcb */ x86emuOp2_bswap,
/* 0xcc */ x86emuOp2_bswap,
/* 0xcd */ x86emuOp2_bswap,
/* 0xce */ x86emuOp2_bswap,
/* 0xcf */ x86emuOp2_bswap,
/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op,
Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops.c	20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@

imm = (s8)fetch_byte_imm();
DECODE_PRINTF2("PUSH\t%d\n", imm);
TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@

target = (u16)(M.x86.R_IP + (s16)offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
  M.x86.R_IP = target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+  }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -2516,9 +2522,11 @@
count = 1;
  if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* move them until CX is ZERO. */
-    count = M.x86.R_CX;
+    }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
}
+ /* move them until (E)CX is ZERO. */
+ count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
+ M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+ M.x86.R_ECX = 0;
+ M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+}
+while (count--) {
+ M.x86.R_SI += inc;
+ M.x86.R_DI += inc;
+ if (M.x86.intr & INTR_HALTED)
+ break;
+}
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+ if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+ /* dont care whether REPE or REPNE */
- /* move them until CX is ZERO. */
- count = M.x86.R_CX;
+ /* move them until (E)CX is ZERO. */
+ count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
+ M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+ M.x86.R_ECX = 0;
+ M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+}
+while (count--) {
+ M.x86.R_SI += inc;
+ M.x86.R_DI += inc;
+ if (M.x86.intr & INTR_HALTED)
+ break;
+}
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+ if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+ /* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
val1 = fetch_data_byte(M.x86.R_SI);
val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
cmp_byte(val1, val2);
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+    M.x86.R_ECX -= 1;
+ else
+    M.x86.R_CX -= 1;
M.x86.R_SI += inc;
M.x86.R_DI += inc;
if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+ if (M.x86.intr & INTR_HALTED)
+    break;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2644,8 +2663,8 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
-/* move them until CX is ZERO. */
-while (M.x86.R_CX != 0) {
+    /* move them until (E)CX is ZERO. */
+    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val1 = fetch_data_long(M.x86.R_SI);
            val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        }
    }
-    M.x86.R_CX -= 1;
+    if (M.x86.mode & SYSMODE_32BIT_REP)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+    if (M.x86.intr & INTR_HALTED)
+        break;
    }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        /* move them until CX is ZERO. */
        count = M.x86.R_CX;
        while (count--) {
            store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
            M.x86.R_DI += inc;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
    inc = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
+        /* move them until CX is ZERO. */
+        while (M.x86.R_CX != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
    }
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
    M.x86.R_CX -= 1;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_CX -= 1;
    else
        M.x86.R_CX -= 1;
    M.x86.R_SI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    count = M.x86.R_CX;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    M.x86.R_SI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
inc = 1;
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
    while (M.x86.R_CX != 0) {
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
        M.x86.R_CX -= 1;
        if (M.x86.mode & SYSMODE_32BIT_REP)
+ M.x86.R_CX -= 1;
+ else
+   M.x86.R_CX -= 1;
 M.x86.R_DI += inc;
 if (ACCESS_FLAG(F_ZF) == 0)
   break;
+ if (M.x86.intr & INTR_HALTED)
+   break;

} M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
   /* REPNE */
   /* move them until CX is ZERO. */
   - while (M.x86.R_CX != 0) {
   + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +     M.x86.R_ECX -= 1;
    + else
    +     M.x86.R_CX -= 1;
   M.x86.R_DI += inc;
   if (ACCESS_FLAG(F_ZF))
     break;          /* zero flag set means equal */
+ if (M.x86.intr & INTR_HALTED)
+   break;

} M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
   TRACE_AND_STEP();
   if (M.x86.mode & SYSMODE_PREFIX_REPE) {
      /* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
-   + /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
+   cmp_long(M.x86.R_EAX, val);
+   val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
+   cmp_word(M.x86.R_AX, (u16)val);
   }
- M.x86.R_CX -= 1;
- if (M.x86.mode & SYSMODE_32BIT_REP)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+        M.x86.R_DI += inc;
+        if (ACCESS_FLAG(F_ZF) == 0)
+            break;
+    if (M.x86.intr & INTR_HALTED)
+        break;
+    }
+    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
+} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
+    /* REPNE */
+    /* move them until CX is ZERO. */
+    while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
+                cmp_long(M.x86.R_EAX, val);
+                if (ACCESS_FLAG(F_ZF))
+                    break; /* zero flag set means equal */
+            } else if (M.x86.intr & INTR_HALTED)
+                break;
+        }
+        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
+        M.x86.R_DI += inc;
+        if (ACCESS_FLAG(F_ZF))
+            break; /* zero flag set means equal */
+    }
+    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
+} else {
+    DECODE_PRINTF("RET\t");
+    imm = fetch_word_imm();
+    DECODE_PRINTF2("\%x\n", imm);
+    RETURN_TRACE("RET", M.x86.saved_cs, M.x86.saved_ip);
+    TRACE_AND_STEP();
+    M.x86.R_IP = pop_word();
+    RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
+    M.x86.R_SP += imm;
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+    @ @ -3254.9 +3316.9 @@
{  
START_OF_INSTR();  
DECODE_PRINTF("RET\n");  
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);  
TRACE_AND_STEP();  
  M.x86.R_IP = pop_word();  
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");  
  DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();}
@@ -3471,10 +3533,10 @@
DECODE_PRINTF("RETF\t");  
imm = fetch_word_imm();  
DECODE_PRINTF2("%x\n", imm);  
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);  
TRACE_AND_STEP();  
  M.x86.R_IP = pop_word();  
  M.x86.R_CS = pop_word();  
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");  
  M.x86.R_SP += imm;  
  DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{  
START_OF_INSTR();  
DECODE_PRINTF("RETF\n");  
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);  
TRACE_AND_STEP();  
  M.x86.R_IP = pop_word();  
  M.x86.R_CS = pop_word();  
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");  
  DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();}
@@ -4020,8 +4082,11 @@
ip += (s16) M.x86.R_IP;  
DECODE_PRINTF2("%04x\n", ip);  
-  if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF))      /* CX != 0 and !ZF */  
+  if (M.x86.mode & SYSMODE_PREFIX_ADDR)  
+    M.x86.R_CX -= 1;  
+    else  
+      M.x86.R_CX -= 1;  
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&  
!ACCESS_FLAG(F_ZF))      /* (E)CX != 0 and !ZF */  
    M.x86.R_IP = ip;  
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
    ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0)
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)      /* (E)CX != 0 */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-    if (M.x86.R_CX == 0)
+    if (M.x86.R_CX == 0) {
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4213,6 +4286,7 @@
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR ");
    TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
cs = fetch_word_imm();
DECODE_PRINTF2("%04x:", cs);
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+    M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
break;
 case 4: /* jmp word ptr ... */
destval = fetch_data_word(destoffset);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
 case 5: /* jmp far ptr ... */
destval = fetch_data_word(destoffset);
destval2 = fetch_data_word(destoffset + 2);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
M.x86.R_CS = destval2;

Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ prim_ops.c	16 Jan 2008 14:18:15 -0000	1.3
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
#ifdef __HAS_LONG_LONG__
- s64 res = (s64)d * (s64)s;
+ s64 res = (s64)(s32)d * (s64)(s32)s;

*res_lo = (u32)res;
*res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
#ifdef __HAS_LONG_LONG__
- u64 res = (u32)M.x86.R_EAX * (u32)s;
+ u64 res = (u64)M.x86.R_EAX * s;

M.x86.R_EAX = (u32)res;
M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
} if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
 /* dont care whether REPE or REPNE */
- /* in until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ /* in until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
M.x86.R_CX : M.x86.R_CX);

- while (count--) {
- single_in(size);
- M.x86.R_DI += inc;
- }
- M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
+ M.x86.R_CX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@ @ -2355,15 +2354,15 @@
 }
 if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
 /* dont care whether REPE or REPNE */
 - /* out until CX is ZERO. */
 - u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
 + /* out until (E)CX is ZERO. */
 + u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
 M.x86.R_ECX : M.x86.R_CX);
 while (count--) {
 single_out(size);
 M.x86.R_SI += inc;
 }
 M.x86.R_CX = 0;
 - if (M.x86.mode & SYSMODE_PREFIX_DATA) {
 + if (M.x86.mode & SYSMODE_32BIT_REP) {
 M.x86.R_ECX = 0;
 }
void X86EMU_setMemBase(void *base, size_t size)
{
    M.mem_base = (int) base;
}
+M.mem_base = (unsigned long) base;
M.mem_size = size;
}
Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h 7 Sep 2007 10:01:21 -0000
+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000
@@ -40,8 +40,6 @@
 #ifndef __X86EMU_DEBUG_H
 #define __X86EMU_DEBUG_H
 /*---------------------- Macros and type definitions ----------------------*/
-//#define DEBUG 0
-#undef DEBUG
 /* checks to be enabled for "runtime" */
 @ @ -78,6 +76,8 @@
 # define DEBUG_SYSINT() (M.x86.debug & DEBUG_SYSINT_F)
 # define DEBUG_TRACECALL() (M.x86.debug & DEBUG_TRACECALL_F)
 # define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+# define DEBUG_TRACEJMP() (M.x86.debug & DEBUG_TRACEJMP_F)
+# define DEBUG_TRACEJMPREGS() (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
 # define DEBUG_SYS() (M.x86.debug & DEBUG_SYS_F)
 # define DEBUG_MEM_TRACE() (M.x86.debug & DEBUG_MEM_TRACE_F)
 # define DEBUG_IO_TRACE() (M.x86.debug & DEBUG_IO_TRACE_F)
 @ @ -96,6 +96,8 @@
 # define DEBUG_SYSINT() 0
 # define DEBUG_TRACECALL() 0
 # define DEBUG_TRACECALLREGS() 0
+# define DEBUG_TRACEJMP() 0
+# define DEBUG_TRACEJMPREGS() 0
 # define DEBUG_SYS() 0
 # define DEBUG_MEM_TRACE() 0
 # define DEBUG_IO_TRACE() 0
 @ @ -169,14 +171,20 @@
x86emu_dump_regs();
 \ if (DEBUG_TRACECALL())
 \ printf("\04x:\04x: CALL %s\04x: %04x\n", u, v, s, w, x);
-# define RETURN_TRACE(n,u,v) 
+# define RETURN_TRACE(u,v,w,x,s) 
 if (DEBUG_TRACECALLREGS())
 x86emu_dump_regs();
 \ if (DEBUG_TRACECALL())
-\ printf("\04x: \04x: %s\n", u,v,n);
```c
#define  JMP_TRACE(u,v,w,x,s)                                 
   if (DEBUG_TRACEJMPREGS()) 
      x86emu_dump_regs(); 
   if (DEBUG_TRACEJMP()) 
      printk("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
#else
# define CALL_TRACE(u,v,w,x,s)                              
-# define RETURN_TRACE(n,u,v)                                
+# define RETURN_TRACE(u,v,w,x,s)                            
+# define  JMP_TRACE(u,v,w,x,s)                              
#endif

#ifdef DEBUG
Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h	7 Sep 2007 10:01:21 -0000	1.1
+++ include/x86emu/regs.h	15 Jan 2008 13:46:40 -0000	1.4
@@ -231,6 +231,9 @@
 #define SYSMODE_PREFIX_REPNE    0x00000100
 #define SYSMODE_PREFIX_DATA     0x00000200
 #define SYSMODE_PREFIX_ADDR     0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP       0x00000800
 #define SYSMODE_INTR_PENDING    0x10000000
 #define SYSMODE_EXTRN_INTR      0x20000000
 #define SYSMODE_HALTED          0x40000000
@@ -250,7 +253,8 @@
 SYSMODE_SEGOVR_GS      | \
 SYSMODE_SEGOVR_SS      | \
 SYSMODE_PREFIX_DATA    | \
-      SYSMODE_PREFIX_ADDR)
+      SYSMODE_PREFIX_ADDR    | \
+      SYSMODE_32BIT_REP)
#define  INTR_SYNCH           0x1
#define  INTR_ASYNCH          0x2
@@ -274,9 +278,9 @@
*/
   u32     mode; 
   volatile int             intr; /* mask of pending interrupts */
-int     debug; 
+    volatile int         debug;
```
```
#ifdef DEBUG
-int                         check;
+    int                         check;
 u16                         saved_ip;
 u16                         saved_cs;
 int                         enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/x86emu.h19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+ #include <stdio.h>
#define printk printf
#endif
@@ -189,6 +181,7 @@
#define DEBUG_TRACECALL_REGS_F  0x004000
#define DEBUG_DECODE_NOPRINT_F  0x008000
#define DEBUG_SAVE_IP_CS_F      0x010000
+ #define DEBUG_TRACEJMP_F        0x020000
+ #define DEBUG_TRACEJMP_REGS_F   0x040000
#define DEBUG_SYS_F             (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)
void 	X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#ifdef  __cplusplus
}                       /* End of "C" linkage for C++   */
#endif
-#endif /* __X86EMU_X86EMU_H */

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History
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Version 3, 29 June 2007

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1.606 python 2.7.5-68.el7
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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| 2.3.5 | 2.3.4  | 2005   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.4   | 2.3    | 2004   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.4.1 | 2.4    | 2005   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.4.2 | 2.4.1  | 2005   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.4.3 | 2.4.2  | 2006   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.4.4 | 2.4.3  | 2006   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.5   | 2.4    | 2006   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.5.1 | 2.5    | 2007   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.5.2 | 2.5.1  | 2008   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.5.3 | 2.5.2  | 2008   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.6   | 2.5    | 2008   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.6.1 | 2.6    | 2008   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.6.2 | 2.6.1  | 2009   | PSF   | yes   |
| +-------------------------------+------------------+
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |                  |
+----------------+--------------+-----------+------------+-----------------+
| 2.6.4          | 2.6.3        | 2010      | PSF        | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 2.7            | 2.6          | 2010      | PSF        | yes             |
+----------------+--------------+-----------+------------+-----------------+

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Mersenne Twister

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The `mod`:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.
Asynchronous socket services

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libffi
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zlib

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*/

Found in path(s):
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/UnlockMethod.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/LockMethod.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/NoAllocation.java

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date: Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and
sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files, with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
  (fchflags): Likewise.
  (revoke): Likewise.
  (setlogin): Likewise.
  (sigaltstack): Likewise.
  (wait4): Likewise.
  (sigblock): Remove.
  (sigsetmask): Likewise.
  (wait3): Likewise.
  (waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h: Move to ...
* sysdeps/unix/bsd/bits/socketaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234c1fd1f1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
 @@ -2,4 +2,4 @@
 # Hurd-based GNU systems.
 gnu
 # The Hurd provides a rough superset of the functionality of 4.4 BSD.
 -unix/bsd/bsd4.4
 +unix/bsd

diff --git a/sysdeps/unix/bsd4.4/Makefile b/sysdeps/unix/bsd4.4/Makefile
 similarity index 100%
 rename from sysdeps/unix/bsd4.4/Makefile
 rename to sysdeps/unix/bsd/Makefile

diff --git a/sysdeps/unix/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
 similarity index 100%
 rename from sysdeps/unix/bsd4.4/Versions
 rename to sysdeps/unix/bsd/Versions

diff --git a/sysdeps/unix/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
 similarity index 100%
 rename from sysdeps/unix/bsd4.4/bits/sockaddr.h
 rename to sysdeps/unix/bsd/bits/sockaddr.h

diff --git a/sysdeps/unix/bsd4.4/syscalls.list b/sysdeps/unix/bsd4.4/syscalls.list
 deleted file mode 100644
 index a4d354685424ac61..0000000000000000
 --- a/sysdeps/unix/bsd4.4/syscalls.list
 +++ /dev/null
 @@ -1,8 +0,0 @@
 -# File nameCallerSyscall name# argsStrong nameWeak names
 -
 -chflags-chflags2chflags
 -fchflags-fchflags2fchflags
 -revoke-revoke1revoke
 -setlogin-setlogin2setlogin
 -sigaltstack-sigaltstack2__sigaltstacksigaltstack
 -wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd4.4/cmsg_nxthdr.c
 similarity index 100%
 rename from sysdeps/unix/bsd4.4/cmsg_nxthdr.c
 rename to sysdeps/unix/bsd/cmsg_nxthdr.c

diff --git a/sysdeps/unix/bsd4.4/sigblock.c b/sysdeps/unix/bsd4.4/sigblock.c
 similarity index 100%
 rename from sysdeps/unix/bsd4.4/sigblock.c
 rename to sysdeps/unix/bsd/sigblock.c
rename to sysdeps/unix/bsd/wait.c

diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c

diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c

diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdee771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

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Version 2.1, February 1999

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^L
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* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources.jar/com/sun/msv/datatype/xsd/BooleanType.java
* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources.jar/com/sun/msv/dtds/xsd/dtRefs/DateTimeBaseType.java
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* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources.jar/com/sun/msv/dtds/xsd/dtRefs/DurationType.java

* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources.jar/com/sun/msv/datatype/xsd/ImageType.java
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c012bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

1.623 seccomp 0.9.1

1.623.1 Available under license:

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1.624 httpcomponents-client 4.5.3

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1.632 popt 1.13

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1.638 libxt 1.1.5 3.el7

1.639 libsepol 2.5-8.1.el7

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1.651 pcres 8.43

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
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  Configuration file converter.
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1.658 dosfs-tools 3.0.20

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1.659 jackson-jaxrs-base 2.8.4

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1.660 spring-beans 5.2.6.RELEASE

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1.661 openssh 7.4p1 16.el7

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- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
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* 
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(Have POLL) && !defined(Have POLL_H)
#ifndef COMPAT_POLL_H_
define COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0 /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORMPOLLRDNORM
#define POLLRDNORM POLLOUT
#define POLLRDBAND 0x0080

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#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */
/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) (_W_INT(w) & 0100)
#endif
#endif /* !HAVE_WAITPID */

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#endif
#endif /* !HAVE_WAITPID */
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
#define WCOREFLAG 0x80

/* Prototype */
pid_t waitpid(int, int *, int);

/* */

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/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int *)&(w)) /* convert union wait to int */) 
#define WIFEXITED(w)!(_W_INT(w) & 0377))
#endif /* HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

/* */
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) ((int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1))
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/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $*/

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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;

#endif /* _COMPAT POLL H */
typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRD NORM 0x0040
#define POLLNORM POLLRD NORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

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 */

#ifndef HAVE_SETRESGID
int	setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int	setresuid(uid_t, uid_t, uid_t);
#endif

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*/
diff -up openssh-7.4p1/sftp-server.8.sftp-force-mode openssh-7.4p1/sftp-server.8
--- openssh-7.4p1/sftp-server.8.sftp-force-mode	2016-12-19 05:59:41.000000000 +0100
+++ openssh-7.4p1/sftp-server.82017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@ Sets an explicit
 .Xr umask 2
 to be applied to newly-created files and directories, instead of the
 user's default mask.
+.It Fl m Ar force_file_perms
+.Sets explicit file permissions to be applied to newly-created files instead
+.of the default or client requested mode. Numeric values include:
+.777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
 .El
 .Pp
 On some systems,
diff -up openssh-7.4p1/sftp-server.c.sftp-force-mode openssh-7.4p1/sftp-server.c
--- openssh-7.4p1/sftp-server.c.sftp-force-mode	2017-02-09 10:22:36.498019921 +0100
+++ openssh-7.4p1/sftp-server.c2017-02-09 10:35:07.190520959 +0100
@@ -138,6 +139,10 @@
 @ @ -65.6 +65.10 @ @ struct sshbuf *queue;
 /* Version of client */
 static u_int version;
/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
/* SSH2_FXP_INIT received */
static int init_done;

@@ -679,6 +683,7 @@ process_open(u_int32_t id)
  Attrib a;
  char *name;
  int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+mode_t old_umask = 0;

  if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
      (r = sshbuf_get_u32(iqueue, &pflags)) != 0) /* portable flags */
@@ -688,6 +693,10 @@ process_open(u_int32_t id)
    debug3("request %u: open flags %d", id, pflags);
  flags = flags_from_portable(pflags);
  mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+  if (permforce == 1) {  /* Force perm if -m is set */
+    mode = permforcemode;
+    old_umask = umask(0); /* so umask does not interfere */
+  }
  logit("open \"%s\" flags %s mode 0%o",
        name, string_from_portable(pflags), mode);
  if (readonly &&
@@ -709,6 +718,8 @@ process_open(u_int32_t id)
  }

+  if (permforce == 1)
+    (void) umask(old_umask); /* restore umask to something sane */
  if (status != SSH2_FX_OK)
    send_status(id, status);
  free(name);
@@ -1490,7 +1501,7 @@ sftp_server_usage(void)
    fprintf(stderr,
        "usage: %s [-ehR] [-d start_directory] [-f log_facility] 
        [-l log_level] [-n[P blacklisted_requests]] 
-        [-p whitelisted_requests] [-u umask]\n"
+        [-p whitelisted_requests] [-u umask] [-m force_file_perms]\n" 
        " %s -Q protocol_feature\n",
        __progname, __progname);
    exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
    pw = pwcopy(user_pw);
while (!skipargs && (ch = getopt(argc, argv, "d:f:l:P:p:Q:u:cehR")) != -1) {
    switch (ch) {
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
            fatal("Invalid umask " optarg);
            (void)umask((mode_t)mask);
            break;
        } case 'm':
        /* Force permissions on file received via sftp */
        permforce = 1;
        permforcemode = strtol(optarg, &cp, 8);
        if (permforcemode < 0 || permforcemode > 0777 ||
        *cp != '0' || (permforcemode == 0 &&
        errno != 0))
            fatal("Invalid file mode " optarg);
            break;
        case 'h':
            sftp_server_usage();
            break;
    default:
        sftp_server_usage();
}
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2d055067c18f2cf9 bsd.img

---layout-------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 2st primary partition
1beb87248e05d6e462b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f8e bsd.img

---layout-------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
  __ts_dev__1 2048 20479 8192 a5 FreeBSD
  __ts_dev__2 2048 4095 1024 83 Linux
Create default BSD
2e1cee529eb59e9341afef0443f196a1 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start  end  size  fstype [fsize bsize cpg]
c:  4096  20479  16384  unused  0 0
d:   0  16064  16065  unused  0 0

BSD disklabel command (m for help):
Command (m for help):

-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start  end  size  fstype [fsize bsize cpg]
a:  4096  6144  2049  4.2BSD  0 0 0
c:  4096  20479  16384  unused  0 0
d:   0  16064  16065  unused  0 0

BSD disklabel command (m for help):
Command (m for help):

-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help):

BSD disklabel command (m for help):

0 unused  5 4.1BSD  9 4.4LFS  d boot
1 swap  6 Eighth Edition  a unknown  e ADOS
2 Version 6  7 4.2BSD  b HPFS  f HFS
3 Version 7  8 MS-DOS  c ISO-9660  10 AdvFS
4 System V

BSD disklabel command (m for help):

**1.666 rng-tools 6.3.1-5.el7**

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* Return the web session for the current request. Always guaranteed to
* return an instance either matching to the session id requested by the
* client, or with a new session id either because the client did not
* specify one or because the underlying session had expired. Use of this
* method does not automatically create a session. See {@link WebSession}
* for more details.
*/

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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/http/ReadOnlyHttpHeaders.java
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# application/andrew-insetez
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# application/atomsvc+xml
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# application/iotp
application/ipfix
# application/ipp
# application/isup
# application/its+xml
application/java-archive			jar
application/java-serialized-object		ser
application/java-vm				class
application/javascript				js
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/context/support/HttpRequestHandlerServlet.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2.jar/org/springframework/http/codec/json/Jackson2JsonDecoder.java
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2.jar/org/springframework/http/client/reactive/ReactorClientHttpResponse.java
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2.jar/org/springframework/web/filter/ShallowEtagHeaderFilter.java

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Found in path(s):
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2- 
  jar/org/springframework/web/filter/ServletRequestLoggingFilter.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2- 
  jar/org/springframework/web/bind/support/SessionStatus.java

1.677 zlib 1.2.3

1.677.1 Available under license :
/** zlib.h -- interface of the 'zlib' general purpose compression library 
   version 1.2.11, January 15th, 2017 

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

* /
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1.678 springfox-core 2.7.0

1.679 hk2-core-module 2.5.0
All the value based traits in this library conform to MPL's requirements for an Integral Constant type that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that inherits from "integral_constant"."true_type".

```c++
#include <boost/mpl/integral_constant.hpp>
```
false_type inherits from boost::mpl::false_, and integral_constant\<T, v> inherits from boost::mpl::integral_c\<T, v> (provided \(T\) is not bool)
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=============================================================================/
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]

Maybe this should pass?
<?xml version="1.0" encoding="utf-8"?>

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 -->

<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>

<!--hr /-->

<para>
The following is the overall license for the boost date_time
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</para>

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</para>

<!--hr /-->

<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Criddig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to 
nonIBM development environments (a nontrivial task). 
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. 
David Chase, then at Olivetti Research, suggested several improvements. 
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the 
code to save and print call stacks for leak detection on a SPARC. 
Jesse Hull and John Ellis supplied the C++ interface code. 
Zhong Shao performed much of the experimentation that led to the 
current typed allocation facility. (His dynamic type inference code hasn't 
made it into the released version of the collector, yet.)

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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
namespace boost {
  namespace interprocess {
    namespace ipcdetail {

    template <class T, T val>
    struct integral_constant {
      static const T value = val;
      typedef integral_constant<T,val> type;
    };

    template<bool C_>
    struct bool_ : integral_constant<bool, C_> {
      static const bool value = C_;  
    };

    typedef bool_<true>        true_;
    typedef bool_<false>       false_;  
    typedef true_  true_type;

    #endif  // BOOST_INTERPROCESS_DETAIL_MPL_HPP
  }
}

}}}
typedef false_false_type;

typedef char yes_type;
struct no_type {
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible {
    typedef char true_t;
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
        static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template <
    bool C , typename T1 , typename T2 >
struct if_c {
    typedef T1 type;
};

template <
    typename T1 , typename T2 >
}
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  } 

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {   return x;  };

    // identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; };
    
    template<
        std::size_t S>
    struct ls_zeros
    {
        static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
    };

    template<>
    struct ls_zeros<0>
    {
        static const std::size_t value = 0;
template<>  
struct ls_zeros<1>  
{  
  static const std::size_t value = 0;  
};

} //namespace ipcdetail {  
} //namespace interprocess {  
} //namespace boost {

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP  
#endif

//===========================================================================

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Index: boost/mpl/print.hpp

===================================================================
--- boost/mpl/print.hpp	(revision 83411)
+++ boost/mpl/print.hpp	(working copy)
@@ -45,22 +45,21 @@
 mpl::identity<T>
 #if defined(__MWERKS__) 
     aux::print_base
-#endif
+#endif
 { 
 #if defined(BOOST_MSVC)
     enum { n = sizeof(T) + -1 }; 
 #elif defined(__MWERKS__)
     void f(int); 
-#else
-    enum {
-        n =
-# if defined(__EDG_VERSION__) 
-            aux::dependent_unsigned<T>::value > -1 
-# else
-            sizeof(T) > -1
-# endif
-        };
-    sizeof(T) > -1 
-# endif
-    };
-#endif
+#elif defined(__EDG_VERSION__) 
+    enum { n = aux::dependent_unsigned<T>::value > -1 }; 
+#elif defined(BOOST_GCC)
+    enum { n1 }; 
+    enum { n2 }; 
+    enum { n = n1 != n2 }; 
+#else
+    enum { n = sizeof(T) > -1 }; 
+#endif
 
#if defined(BOOST_MSVC)

//////////////////////////////////////////////////////////////////////////////
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Generating dependencies...
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#  pragma once
#endif

#include <cstddef>

namespace boost {
namespace container {
namespace container_detail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
    operator bool() const { return bool_::value; }
};

typedef bool_<true>        true_;
typedef bool_<false>       false_;
typedef true_  true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {

}}}
typedef T type;
};

template <class T>
struct enable_if_c<false, T> {}
;

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}
;

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {}
;

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {}
;

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
        enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
};

template<
    bool C
 , typename T1
 , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
>

struct if_<
    typename T1
    , typename T2
    , typename T3
>
{
    typedef typename if_<T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;  }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};
Some portions are also:

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#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>
namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two { one _[2]; };

template< bool C_> 
struct bool_<
{ 
  static const bool value = C_; 
};

typedef bool_<true> true_;
typedef bool_<false> false_;
typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {}

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; }; 
    static true_t dispatch(U);
    static false_t dispatch(...);
    static const T &trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};
template<
    typename T1,
    typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename C,
    typename T1,
    typename T2
>
struct if_<
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

template<
    bool C,
    typename F1,
    typename F2
>
struct eval_if_c
    : if_c<C,F1,F2>::type
{
};

template<
    typename C,
    typename T1,
    typename T2
>
struct eval_if
    : if_<C,T1,T2>::type
{
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC_)
#define BOOST_INTRUSIVE_TTDECL __cdecl
#else
#define BOOST_INTRUSIVE_TTDECL
#endif
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !_WIN64 && !defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{ static const bool value = false; }

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(())>
{ static const bool value = true; }

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{ static const bool value = true; }
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)(())>
{ static const bool value = true; }

#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)(())>
{ static const bool value = true; }
#endif
#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{
  static const bool value = true;
};

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{
  static const bool value = true;
};

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{
  static const bool value = true;
};

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{
  static const bool value = true;
};

#endif

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{
  static const bool value = true;
};

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{
  static const bool value = true;
};

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{  static const bool value = true;  };

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{  static const bool value = true;  };
#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1)>
{  static const bool value = true;  };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{  static const bool value = true;  };
#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{  static const bool value = false;  };

template<typename T>
struct is_unary_or_binary_function
{  static const bool value = is_unary_or_binary_function_impl<T>::value;   };

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{  
    char c;
    T t;
    alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{  
    static const std::size_t value = A < S ? A : S;
};
template< typename T >
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template<typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

    template<typename V>
    static yes_type is_same_tester(V*, V*);
    static no_type is_same_tester(...);

    static T *t;
    static U *u;

    static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{
    typedef const T type;
};

template<typename T>
struct remove_const
{
    typedef T type;
};

template<typename T>
struct remove_const<const T>
{
    typedef T type;
};

template<typename T>
struct remove_cv
{
    typedef T type;
};

template<typename T>
struct remove_cv<const T>
{
    typedef T type;
};
template<typename T>
struct remove_cv<const volatile T>
{
    typedef T type;
};

template<typename T>
struct remove_cv<volatile T>
{
    typedef T type;
};

template<class T>
struct remove_reference
{
    typedef T type;
};

template<class T>
struct remove_reference<T&>
{
    typedef T type;
};

template<class Class>
class is_empty_class
{
    template <typename T>
    struct empty_helper_t1 : public T
    {
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    { int i[256]; };  

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};
template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

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*/

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an Integral Constant type: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from `boost::mpl::true_`, `__false_type` inherits from `boost::mpl::false_`, and `__integral_constant<T, v>` inherits from `boost::mpl::integral_c<T,v>` (provided `T` is not `bool`)

[endsect]
*/

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=" << (p.root / p.file).string() << ">
''" << p.file.string() << 
"</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
\{
std::pair<const license_info*, int> licenses = get_licenses();

std::map<license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

std::ofstream os(m_dest_path.string().c_str());
if(!os)
{
  std::string msg("Error opening ");
  msg += m_dest_path.string();
  msg += " for output."
  std::runtime_error e(msg);
  boost::throw_exception(e);
}
ostringstream os("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"\n"\n"<html>\n"\n"<head>\n"\n"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
ostringstream os = " for " << *(m_module_list.begin());
}
ostringstream os = "</title>\n";
"</head>\n";
"<body>\n";
"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
ostringstream os = " for " << *(m_module_list.begin());
}
ostringstream os = "</H1>\n";
"<H2>Contents\n";
"<pre><a href="#input">Input Information</a>
";
if(!m_bsl_summary_mode)
ostringstream os = "<a href="#summary">Licence Summary</a>
";
ostringstream os = "<a href="#details">Licence Details</a>
";
while(i != j)
{
  // title:
ostringstream os = "<A href="\"#"" "make_link_target(licenses.first[i->first].license_name)" >> "</a>\n";
  ++i;
}
os << "Files with no recognised license\n";
"Files with no recognised copyright holder\n";
if(!m_bsl_summary_mode)
{
  os << 
  "Moving to the Boost Software License...\n"
  "Files that can be automatically converted to the Boost Software License\n"
  "Files that can be manually converted to the Boost Software License\n"
  "Files that can NOT be moved to the Boost Software License\n"
  "Authors we need to move to the Boost Software License\n"
  "Copyright Holder Information\n";
}
os << 
  "File Dependency Information\n"
"File Dependency Information\n";

// input Information:
//
// os << "\n";
if(m_scan_mode)
  os << "The following files were scanned for boost dependencies: <BR>\n";
else
  os << "The following Boost modules were checked: <BR>\n";
std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
  os << *si << "<BR>\n";
  ++si;
}
os << "The Boost path was: <CODE>\n";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex( 
  "^[[:blank:]]*#define[[:blank:]]+BOOST_VERSION[[:blank:]]+(\d+);" );
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
  int version = boost::lexical_cast<int>(what.str(1));
  os << "The Boost version is: " << version / 100000 << "." << version / 100 % 100 << "." << version % 100
"};
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
os << "<a name="summary">\n</a><h2>Licence Summary</h2><\n";
while(i != j)
{
    // title:
os << "<H3><a name="" << licenses.first[i->first].license_name << ""></a>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    // Copyright holders:
os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="" << make_link_target(licenses.first[i->first].license_name) << "">(see details)</a>";
os << "</P>";</BLOCKQUOTE>\n";
    ++i;
}
}
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details">\n</a><h2>Licence Details</h2><\n";
while(i != j)
{
    // title:
os << "<H3><a name="" << make_link_target(licenses.first[i->first].license_name) << ""></a>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if((m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:

```c++
std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR>\n";
    ++x;
}
```

// Files using this license:
```
os << "<p>This license applies to the following " << i->second.files.size() << "
```

```c++
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>\n";
    ++m;
}
```

```c++
else
{
    os << "<p>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</p>\n";
    os << "<p>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</p>\n";
}
```

++license_index;
++i;
```
Files With No Recognisable Copyright Holder

The following files had no recognisable copyright holder:

```
//
// Output list of files that have been moved over to the Boost
// Software License, along with enough information for human
// verification.
//
// Files that can be automatically converted to the Boost Software
License

The following files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:

```

Files that could be converted to the Boost Software License

The following files could be manually converted to the Boost Software License, but have not yet been converted:

```
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2>
"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:</P>
'i2 = m_cannot_migrate_to_bsl.begin();
'j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name="need-bsl-authors"></a>Authors we need for the BSL</h2>
"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>:</P>
'BLOCKQUOTE><P>
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>\n"));
os << "</p></BLOCKQUOTE>";

// output a table of copyright information:
//
os << "<H2><a name="copyright"></a>Copyright Holder Information</H2><table border="1">"
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>"
    std::set<fs::path, path_less>::const_iterator fi, efi;
fi = ad->second.begin();
efi = ad->second.end();
while(fi != efi)
{
    os << split_path(m_boost_path, *fi) << " ",
    ++fi;
}
os << "</td></tr><tr>
++ad;
}

os << "</table>\n";
}

// output file dependency information:

os << "<H2><a name="depend"></a>File Dependency Information</H2><BLOCKQUOTE><pre>
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
  ::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
                ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " - \n";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
else if(fs::exists(dep->second))
    os << split_path(fs::path(), dep->second);
else
    os << dep->second.string();
if(seen_deps.find(dep->second) != seen_deps.end())
{
    os << " <I>(Circular dependency!)</I>";
    break; // circular dependency!!!
}
seen_deps.insert(dep->second);
last_dep = dep;
dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
    break;
}
os << "\\n";
++fi;
}
os << "</pre></BLOCKQUOTE>\\n";
os << "</body></html>"
;

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ".
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

1.681 c3p0 0.9.5.5
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
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d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
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the materials to be distributed need not include anything that is
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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a { color: #044a64 }
a:visited { color: #734559 }

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    margin: 0px;
    cell-spacing: 0px;
}
.toolbar {
    text-align: center;
    line-height: 1.6em;
    margin: 0;
    padding: 0px 8px;
}
.toolbar a { color: white; text-decoration: none; padding: 6px 12px; }
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    if (q.value == gMsg) { q.value = "" }
    q.style.color = "black"
    q.style.fontStyle = "normal"
}
function leavesearch() {
    var q = document.getElementById("q");
    if (q.value == "") {
        q.value = gMsg
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1.692 rsync 3.1.2 4.el7

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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abstract: 'Build and install Perl modules'
The "Artistic License"

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19xx name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

That's all there is to it!
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The Artistic License

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d) make other distribution arrangements with the Copyright Holder.

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The End

#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{

}
my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";

  # The copyright message is the first paragraph:
  local $/ = ";
  my $copyright_msg = <$readme>;

  my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b(\d{4,})\b/i
    or die "Copyright statement not found in perl -v output '$output'";

  $year;
}

1.703 jaxb-api 2.1
1.703.1 Available under license:

No license file was found, but licenses were detected in source scan.

@(#)package.html1.60 98/01/27

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CopyrightVersion 1.2

Found in path(s):
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/adapters/package.html
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 */

Found in path(s):
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlMimeType.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlMixed.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/DomHandler.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlAccessorType.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlAnyElement.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlAttachmentRef.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlInlineBinaryData.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XmlAnyAttribute.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/XMLSchemaTypes.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
  jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.java
*/
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*/

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*/
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 */

Found in path(s):
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/CollapsedStringAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlValue.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/JAXBElement.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlRootElement.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlRootElementRef.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlNs.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/NormalizedStringAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlAttribute.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlID.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlNsForm.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlAttribute.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlID.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlNsForm.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/JAXBIntrospector.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlType.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlEnum.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlElementRefs.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlElementDecl.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlIDREF.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlElements.java
* /opt/cola/permits/1000760720_1646171551.91/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlRegistry.java
* /opt/cola/permits/1000760720_1646171551.91/0/jAXB-api-2-1-sources-jar/javax/xml/bind/annotation/XmlEnumValue.java
* /opt/cola/permits/1000760720_1646171551.91/0/jAXB-api-2-1-sources-jar/javax/xml/bind/annotation/XmlElement.java

1.704 newt 0.52.15 4.el7

1.704.1 Available under license:

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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## Source Code
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* https://github.com/eclipse-ee4j/glassfish-ha-api
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1.711 libxtst 1.2.3-1.el7

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1.712 geo-ip 1.5.0-11.el7

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Tests included here are based on build output generated by the six-speed benchmark suite.

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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  jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
  jar/org/springframework/aop/support/DefaultBeanFactoryPointcutAdvisor.java

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* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/config/AopNamespaceHandler.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/scope/DefaultScopedObject.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/ThrowsAdviceAdapter.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/config/AdviceEntry.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/target/SimpleBeanTargetSource.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/AopProxyFactory.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/aspectj/AspectJAopUtils.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/config/PointcutComponentDefinition.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/AopProxyFactory.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/PointcutEntry.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
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  jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
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  jar/org/springframework/aop/BeforeAdvice.java
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  jar/org/springframework/aop/IntroductionInterceptor.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
  jar/org/springframework/aop/framework/AdvisedSupportListener.java
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  jar/org/springframework/aop/SpringProxy.java
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  jar/org/springframework/aop/config/AspectEntry.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
  jar/org/springframework/aop/framework/AopInfrastructureBean.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
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* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/aspectj/TargetClassAware.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java

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  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
    jar/org/springframework/aop/framework/autoproxy/target/QuickTargetSourceCreator.java
  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
    jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java
  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
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  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
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    jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
    jar/org/springframework/aop/interceptor/AsyncExecutionInterceptor.java
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  * /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
    jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
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    jar/org/springframework/aop/interceptor/AsyncExecutionInterceptor.java
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/* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java */
/* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1.jar/org/springframework/aop/support/RegexpMethodPointcutAdvisor.java */
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Found in path(s):
* /opt/cola/permits/1137623466_1614109314.68/0/spring-aop-5-1-12-release-sources-1-
  jar/org/springframework/aop/aspectj/AspectJWeaverMessageHandler.java

1.719 gmp 6.0.0 15.el7

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1.727 jul-to-slf4j 1.7.30
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Found in path(s):
* /opt/cola/permits/1135864176_1613618002.1/0/jul-to-slf4j-1-7-30-sources-1-
jar/org/slf4j/bridge/SLF4JBridgeHandler.java

1.728 radvd 2.17-3.el7

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1.729 smtp 1.4.6

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1.730 openssh 7.5

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* 
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* 
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be> 
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be> 
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/ConverterMetaData.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/AnnotationTypeMapper.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/SigType.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/AbstractNumberReference.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/IntPointer.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/AbstractFastNumericMethodGenerator.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/FastNumericMethodGenerator.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/DefaultObjectReferenceManager.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/FastIntMethodGenerator.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/FastLongMethodGenerator.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/BaseMethodGenerator.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/ClosureUtil.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/NativeClosureProxy.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/mapper/CachingTypeMapper.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/converters/BoxedIntegerArrayParameterConverter.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/ParameterStrategy.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/converters/NativeLong32ArrayParameterConverter.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/platform/386/windows/TypeAliases.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/types/pid_t.java
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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/converters/BoxedIntegerArrayParameterConverter.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/types/fsfilcnt_t.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/platform/x86_64/linux/TypeAliases.java

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* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/converters/BoxedBooleanArrayParameterConverter.java
* /opt/cola/permits/1266269370_1644001015.97/0/jnr-ffi-2-2-1-sources-jar/jnr/ffi/provider/jffi/InvokerTypeMapper.java
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 * @(#)DataHandler.java 1.39 05/11/16
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* @(#)UnsupportedDataTypeException.java 1.9 05/11/16
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* @(#)FileTypeMap.java 1.8 05/11/16
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/* @(#)MimeType.java 1.19 05/11/16 */

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/*
* @(#)MimeTypeEntry.java	1.4 05/11/16
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* @(#)TextViewer.java	1.9 05/11/16
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*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-jar/com/sun/activation/viewers/TextViewer.java
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* @(#)ActivationDataFlavor.java1.14 05/11/16
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/*
* @(#)MimeTypeFile.java1.8 05/11/16
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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*/
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* @(#)MailcapFile.java 1.23 05/11/16
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/*
* @(#)MailcapTokenizer.java 1.6 05/11/16
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/*
* @(#)MailcapParseException.java 1.4 05/11/16
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.744 mapstruct 1.1.0.Final

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 * version.
 */

Found in path(s):
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jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
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jar/org/objectweb/asm/tree/analysis/Subroutine.java
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jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
Found in path(s):
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
  jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java

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 * Constructs a new '{@link BasicInterpreter}' for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the '{@link #BasicInterpreter(int)}
 * version.
 */

1.749 isorelax 20090621
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jar/org/iso_relax/dispatcher/IslandSchemaReader.java

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/*
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 * @(#)Id: SchemaProvider.java,v 1.6 2003/05/30 23:46:32 kkawa Exp
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* /opt/cola/permits/1135864262_1613618257.27/0/isorelax-20090621-sources-1-jar/org/iso_relax/dispatcher/SchemaProvider.java
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1.750 jackson-dataformat-yaml 2.8.9

1.750.1 Available under license :

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1.758 llvm 6.0.1

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; RUN: llc %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
define void @autogen_SD4739(i8*) {
    ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
    BB:
    %L34 = load i8, i8* %0
    %Cmp56 = icmp sgt i8 undef, %L34
    br label %CF246

    CF246:
    ; preds = %CF246, %BB
    %SI163 = select i1 %Cmp56, i8 %L34, i8 undef
    br i1 undef, label %CF246, label %CF248

    CF248:
    ; preds = %CF248, %CF246
    store i8 %SI163, i8* %0
    br label %CF248
}

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |
; FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: add256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpaddd (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT:    vpaddd 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:    vmovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %d = load <16 x i32>, <16 x i32>* %a
    %e = load <16 x i32>, <16 x i32>* %b
    %f = add <16 x i32> %d, %e
    store <16 x i32> %f, <16 x i32>* %c
    ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: add512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:    vpaddd (%rsi), %zmm0, %zmm0
    ; CHECK-NEXT:    vmovdqa64 %zmm0, (%rdx)
    ; CHECK-NEXT:    retq
}
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: avg_v64i8_256:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vmovdqa (%rsi), %ymm0
  ; CHECK-NEXT:  vmovdqa32(%rsi), %ymm1
  ; CHECK-NEXT:  vpavgb (%rdi), %ymm0, %ymm0
  ; CHECK-NEXT:  vpavgb32(%rdi), %ymm1, %ymm1
  ; CHECK-NEXT:  vmovdqu %ymm1, (%rax)
  ; CHECK-NEXT:  vmovdqu %ymm0, (%rax)
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
  %1 = load <64 x i8>, <64 x i8>* %a
  %2 = load <64 x i8>, <64 x i8>* %b
  %3 = zext <64 x i8> %1 to <64 x i32>
  %4 = zext <64 x i8> %2 to <64 x i32>
  %5 = add nuw nsw <64 x i32> %.5, %.5
  %6 = add nuw nsw <64 x i32> %.5, %.4
  %7 = lshr <64 x i32> %.6, %.5
  store <64 x i8> %8, <64 x i8>* undef, align 4
  ret void
}

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: avg_v64i8_512:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vmovdqa64 (%rsi), %zmm0
  ; CHECK-NEXT:  vpavgb (%rdi), %zmm0, %zmm0
  ; CHECK-NEXT:  vmovdqu64 %zmm1, (%rax)
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
  %1 = load <64 x i8>, <64 x i8>* %a
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
  %A = load <32 x i16>, <32 x i16>* %APtr
  %B = load <32 x i16>, <32 x i16>* %BPtr
  %a = sext <32 x i16> %A to <32 x i32>
  %b = sext <32 x i16> %B to <32 x i32>
  %m = mul nsw <32 x i32> %a, %b
  %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
  %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
  %ret = add <16 x i32> %odd, %even
  store <16 x i32> %ret, <16 x i32>* undef, align 4
  ret void
}

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
  %A = load <32 x i16>, <32 x i16>* %APtr
  %B = load <32 x i16>, <32 x i16>* %BPtr
  %a = sext <32 x i16> %A to <32 x i32>
  %b = sext <32 x i16> %B to <32 x i32>
  %m = mul nsw <32 x i32> %a, %b
  %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
  %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
  %ret = add <16 x i32> %odd, %even
  store <16 x i32> %ret, <16 x i32>* undef, align 4
  ret void
}
define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {  
    ; CHECK-LABEL: psubus_64i8_max_256:  
    ; CHECK:    # %bb.0:  
; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0  
; CHECK-NEXT:    vpsubusb (%rsi), %zmm0, %zmm0  
; CHECK-NEXT:    vmovdqa64 %zmm0, (%rdx)  
; CHECK-NEXT:    vzeroupper  
; CHECK-NEXT:    retq  
%x = load <64 x i8>, <64 x i8>* %xptr  
%y = load <64 x i8>, <64 x i8>* %yptr  
%cmp = icmp ult <64 x i8> %x, %y  
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x  
%res = sub <64 x i8> %max, %y  
store <64 x i8> %res, <64 x i8>* %zptr  
ret void  
}
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}
define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
 ; CHECK-LABEL: _Z9test_charPcS_i_256:
 ; CHECK: # %bb.0: # %entry
 ; CHECK-NEXT: movl %edx, %eax
 ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
 ; CHECK-NEXT: xorl %ecx, %ecx
 ; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
 ; CHECK-NEXT: vpxor %xmm2, %xmm2, %xmm2
 ; CHECK-NEXT: .p2align 4, 0x90
 ; CHECK-NEXT: .LBB8_1: # %vector.body
 ; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
 ; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %ymm3
 ; CHECK-NEXT: vpmovsxbw 16(%rdi,%rcx), %ymm4
 ; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %ymm5
 ; CHECK-NEXT: vpmaddwd %ymm3, %ymm5, %ymm3
 ; CHECK-NEXT: vpaddd %ymm1, %ymm3, %ymm1
 ; CHECK-NEXT: vpmovsxbw 16(%rsi,%rcx), %ymm3
 ; CHECK-NEXT: vpmaddwd %ymm4, %ymm3, %ymm3
 ; CHECK-NEXT: vpaddd %ymm2, %ymm3, %ymm2
 ; CHECK-NEXT: vpaddd %ymm2, %ymm3, %ymm2
 ; CHECK-NEXT: vpaddd %ymm2, %ymm3, %ymm2
 ; CHECK-NEXT: vpaddd %ymm2, %ymm3, %ymm2
 ; CHECK-NEXT: vpaddd %ymm2, %ymm3, %ymm2
 ; CHECK-NEXT: addq $32, %rcx
 ; CHECK-NEXT: cmpq %rcx, %rax
 ; CHECK-NEXT: jne .LBB8_1
 ; CHECK-NEXT: # %bb.2: # %middle.block
 ; CHECK-NEXT: vpaddd %ymm0, %ymm1, %ymm1
 ; CHECK-NEXT: vpaddd %ymm0, %ymm2, %ymm0
 ; CHECK-NEXT: vpaddd %ymm0, %ymm1, %ymm0
 ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
 ; CHECK-NEXT: vpaddd %ymm1, %ymm0, %ymm0
 ; CHECK-NEXT: vpaddd %ymm0, %ymm1, %ymm0
 ; CHECK-NEXT: vpmovsd {{.*#+}} xmm1 = xmm0[2,3,0,1]
 ; CHECK-NEXT: vpaddd %ymm1, %ymm0, %ymm0
 ; CHECK-NEXT: vpmovsd {{.*#+}} xmm1 = xmm0[1,1,2,3]
 ; CHECK-NEXT: vpaddd %xmm1, %xmm0, %xmm0
 ; CHECK-NEXT: vmovd %xmm0, %eax
 ; CHECK-NEXT: vzeroupper
 ; CHECK-NEXT: retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body
vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 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undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde}
define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {  
; CHECK-LABEL: _Z9test_charPcS_i_512:  
; CHECK: # %bb.0: # %entry  
; CHECK-NEXT: movl %edx, %eax  
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0  
; CHECK-NEXT: xorl %ecx, %ecx  
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1  
; CHECK-NEXT: .p2align 4, 0x90  
; CHECK-NEXT: .LBB9_1: # %vector.body  
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1  
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2  
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3  
; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm2  
; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1  
; CHECK-NEXT: addq $32, %rcx  
; CHECK-NEXT: cmpq %rcx, %rax  
; CHECK-NEXT: jne .LBB9_1  
; CHECK-NEXT: # %bb.2: # %middle.block  
; CHECK-NEXT: vpaddd %zmm0, %zmm1, %zmm0  
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm1  
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0  
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1  
; CHECK-NEXT: vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]  
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0  
; CHECK-NEXT: vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]  
; CHECK-NEXT: vpaddd %xmm1, %xmm0, %xmm0  
; CHECK-NEXT: vzeroupper  
; CHECK-NEXT: retq  
}  
entry:  
%3 = zext i32 %2 to i64  
br label %vector.body  

vector.body:  
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]  
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]  
%4 = getelementptr inbounds i8, i8* %0, i64 %index  
%5 = bitcast i8* %4 to <32 x i8>*  
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1  
%6 = sext <32 x i8> %wide.load to <32 x i32>  
%7 = getelementptr inbounds i8, i8* %1, i64 %index  
%8 = bitcast i8* %7 to <32 x i8>*  
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1  
%9 = sext <32 x i8> %wide.load14 to <32 x i32>  
%10 = mul nsw <32 x i32> %9, %6  
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
)

@a = global [1024 x i8] zeroinitializer, align 16
@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" { ; CHECK-LABEL: sad_16i8_256:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB10_1: # %vector.body
; CHECK-NEXT: #=>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdq a+1024(%rax), %xmm2
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm2
}
; CHECK-NEXT:  vpaddd %ymm1, %ymm2, %ymm1
; CHECK-NEXT:  addq $4, %rax
; CHECK-NEXT:  jne .LBB10_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpaddd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vextracti128 %ymm1, %ymm0, %ymm1
; CHECK-NEXT:  vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpaddd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

entry:
  br label %vector.body

vector.body:

%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i32> [ %2, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> %2, %6
%9 =icmp eq <16 x i64> %7, %8
%10 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%index.next = add i64 %index, 4
br i1 %10, label %middle.block, label %vector.body

middle.block:

%.lcssa = phi <16 x i32> [ %9, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sad_16i8_512:
  ; CHECK:       # %bb.0: # %entry
  ; CHECK-NEXT:   vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT:   movq $-1024, %rax # imm = 0xFC00
  ; CHECK-NEXT:   .p2align 4, 0x90
  ; CHECK-NEXT:   .LBB11_1: # %vector.body
  ; CHECK-NEXT:     # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT:     vmovdqu a+1024(%rax), %xmm1
  ; CHECK-NEXT:     vpsadbw b+1024(%rax), %xmm1, %xmm1
  ; CHECK-NEXT:     vpaddd %zmm0, %zmm1, %zmm0
  ; CHECK-NEXT:     addq $4, %rax
  ; CHECK-NEXT:     jne .LBB11_1
  ; CHECK-NEXT:     vextracti64x4 $1, %zmm0, %ymm1
  ; CHECK-NEXT:     vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:     vextracti128 $1, %ymm0, %xmm1
  ; CHECK-NEXT:     vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:     vpshufd {{{.*#+}}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:     vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:     vpshufd {{{.*#+}}} xmm1 = xmm0[1,1,2,3]
  ; CHECK-NEXT:     vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:     vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:     vmovd %xmm0, %eax
  ; CHECK-NEXT:     vzeroupper
  ; CHECK-NEXT:     retq
  entry:
  br label %vector.body
}

vector.body:

index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
vec.phi = phi i64 [ 0, %entry ]
vec.next = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%2 = zext <16 x i8> %1, align 4
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
open source used in nfvis branch virtualization 4.6.2 8793

%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> <i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> <i32 1, i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define void @sbtol6f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {  
CHECK-LABEL: sbtol6f32_256:
CHECK: # %bb.0:
CHECK-NEXT: vpmovw2m %ymm0, %k0
CHECK-NEXT: kshiftrw $8, %k0, %k1
CHECK-NEXT: vpmovm2d %k1, %ymm0
CHECK-NEXT: vcvtq2ps %ymm0, %ymm0
CHECK-NEXT: vpmovm2d %k0, %ymm1
CHECK-NEXT: vcvtq2ps %ymm1, %ymm1
CHECK-NEXT: vmovaps %ymm1, (%rdi)
CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
CHECK-NEXT: vzeroupper
CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>

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store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f32_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvtqd2ps %zmm0, %zmm0
; CHECK-NEXT: vcvtdq2ps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvtq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvtq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT:
; CHECK-NEXT:     vpmovm2d %k0, %zmm0
; CHECK-NEXT:     vcvtfdqpd %ymm0, %zmm0
; CHECK-NEXT:     vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:     vcvtfdqpd %ymm0, %zmm0
; CHECK-NEXT:     vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:     vmovaps %zmm1, (%rdi)
; CHECK-NEXT:     vzeroupper
; CHECK-NEXT:     retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}
define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:
; CHECK:     # %bb.0:
; CHECK-NEXT:     vpmovw2m %ymm0, %k0
; CHECK-NEXT:     kshiftrw $8, %k0, %k1
; CHECK-NEXT:     vpmovm2d %k1, %ymm0
; CHECK-NEXT:     vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT:     vcvtfdqps %ymm0, %ymm0
; CHECK-NEXT:     vpmovm2d %k0, %ymm1
; CHECK-NEXT:     vpsrld $31, %ymm1, %ymm1
; CHECK-NEXT:     vcvtfdqps %ymm1, %ymm1
; CHECK-NEXT:     vmovaps %ymm1, (%rdi)
; CHECK-NEXT:     vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT:     vzeroupper
; CHECK-NEXT:     retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f32_512:
; CHECK:     # %bb.0:
; CHECK-NEXT:     vpmovw2m %ymm0, %k0
; CHECK-NEXT:     vpmovm2d %k0, %zmm0
; CHECK-NEXT:     vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT:     vcvtfdqps %zmm0, %zmm0
; CHECK-NEXT:     vmovaps %zmm0, (%rdi)
; CHECK-NEXT:     vzeroupper
; CHECK-NEXT:     retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
```c
void @ubto16f64_256(%a, %res) "min-legal-vector-width"="256" {
    %mask = icmp slt %a, zeroinit
    %1 = uitofp %mask to <16 x double>
    store %1, %res
}

void @ubto16f64_512(%a, %res) "min-legal-vector-width"="512" {
    %mask = icmp slt %a, zeroinit
    %1 = uitofp %mask to <16 x double>
    store %1, %res
}
```
define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32toub_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k1
    ; CHECK-NEXT: kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT: vcmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT: retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitialize
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32toub_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT: vpslld $31, %zmm1, %zmm1
    ; CHECK-NEXT: vpmovd2m %zmm1, %k1
    ; CHECK-NEXT: vminvdqu16 %zmm0, %zmm0 {%k1} {z}
    ; CHECK-NEXT: retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitialize
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32tosb_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k1
    ; CHECK-NEXT: kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT: vcmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT: retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vcvtpps2dq (%rdi), %zmm1
; CHECK-NEXT: vpmovd2m %zmm1, %k1
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] [z]
; CHECK-NEXT: retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: mul256:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm5 = ymm0[8],ymm0[9],ymm0[10],ymm0[11],ymm0[12],ymm0[13],ymm0[14],ymm0[15],ymm0[16],ymm0[17],ymm0[18],ymm0[19],ymm0[20],ymm0[21],ymm0[22],ymm0[23],ymm0[24],ymm0[25],ymm0[26],ymm0[27],ymm0[28],ymm0[29],ymm0[30],ymm0[31],ymm0[32],ymm0[33],ymm0[34],ymm0[35],ymm0[36],ymm0[37]
; CHECK-NEXT: vpunpcklbw {{.*#+}} ymm2 = ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT: vpunpcklbw {{.*#+}} ymm0 = ymm0[0],ymm0[1],ymm0[2],ymm0[3],ymm0[4],ymm0[5],ymm0[6],ymm0[7],ymm0[16],ymm0[17],ymm0[18],ymm0[19],ymm0[20],ymm0[21],ymm0[22],ymm0[23],ymm0[24],ymm0[25],ymm0[26],ymm0[27],ymm0[28],ymm0[29],ymm0[30],ymm0[31]
; CHECK-NEXT: vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT: vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT: vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT: vpadd %ymm5, %ym
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {  
    # %bb.0:
    # CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
    # CHECK-NEXT: vmovdqa64 (%rsi), %zmm1
    # CHECK-NEXT: vpunpckhbw {{.*#+}} %zmm2 =
    # CHECK-NEXT: vpmullw %zmm2, %zmm3, %zmm2
    # CHECK-NEXT: vpand %zmm5, %zmm2, %zmm2
    # CHECK-NEXT: vpackuswb %zmm2, %zmm1, %zmm1
    # CHECK-NEXT: vmovdqa %zmm1, 32(%rdx)
    # CHECK-NEXT: vmovdqa %zmm0, (%rdx)
    # CHECK-NEXT: vzeroupper
    retq
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University of Illinois at Urbana-Champaign

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define void @zext256() "min-legal-vector-width"="256" {  
  VEC256-LABEL: 'zext256'
  VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  VEC512-LABEL: 'zext256'
  VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  %A = zext <8 x i16> undef to <8 x i64>
  %B = zext <8 x i32> undef to <8 x i64>
  %C = zext <16 x i8> undef to <16 x i32>
  %D = zext <16 x i16> undef to <16 x i32>
  %E = zext <32 x i8> undef to <32 x i16>
  ret void
}

define void @zext512() "min-legal-vector-width"="512" {  

define void @sext256() "min-legal-vector-width"="256" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <16 x i8> undef to <16 x i32>
    %D = sext <16 x i16> undef to <16 x i32>
    %E = sext <32 x i8> undef to <32 x i16>
    ret void
}
Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>

Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>

Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>

Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>

Cost Model: Found an estimated cost of 0 for instruction: ret void

%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void

define void @sext512() "min-legal-vector-width"="512" { 

AVX-LABEL: 'sext512'

AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

SKX256-LABEL: 'sext512'

SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void

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 */

; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"
%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph:                     ; preds = %entry
    br label %while.body

  while.body:                           ; preds = %exit.2, %while.body.lr.ph
    %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
    switch i32 undef, label %exit [
      i32 1, label %sw.bb.i
      i32 2, label %sw.bb3.i
    ]

    sw.bb.i:                            ; preds = %while.body
      unreachable

    sw.bb3.i:                           ; preds = %while.body
      unreachable

  exit:                                 ; preds = %while.body
    switch i32 undef, label %exit.2 [ 
      i32 1, label %sw.bb.i17
      i32 2, label %sw.bb3.i20
    ]

    sw.bb.i17:                          ; preds = %exit
      %0 = bitcast %struct.0* %lsr.iv to i32*
      %1 = load i32, i32* %0, align 4
      unreachable

    sw.bb3.i20:                          ; preds = %exit
      %2 = bitcast %struct.0* %lsr.iv to i8**
      %3 = load i8*, i8** %2, align 4
      unreachable

  exit.2:                               ; preds = %exit
    %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
    br label %while.body

  while.end:                            ; preds = %entry
    ret void
}
attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" };
RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
    ; CHECK-LABEL: test_sitofp_fixed:

    ; First, extend each i32 to i64
    ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
    ; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
    ; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
    ; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
    ; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

    ; Next, convert each to double.
    ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
    ; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
    ; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
    ; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
    ; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
    ; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
    ; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
    ; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

    ; CHECK: ret
    %flt = sitofp <16 x i32> %in to <16 x double>
    %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
    ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
    ; CHECK-LABEL: test_sitofp_fixed_shortish:

    ; CHECK-DAG: scvtf.2d v0, v0
    ; CHECK-DAG: scvtf.2d v1, v1

    ; CHECK: ret
    %flt = sitofp <4 x i64> %in to <4 x double>
    %res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
    ret <4 x double> %res
}
define internal void @innerSmall() "min-legal-vector-width"="128" {
    ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
    ret void
}

define internal void @innerNoAttribute() {
    ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
    call void @innerSmall()
    ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
    call void @innerNoAttribute()
    ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]??]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]??]] = bitcast i32 805873688 to i32
; CHECK:  %0 = inotport i32 %[[C2]] to i8*
; CHECK-NEXT:  %1 = load volatile i8, i8* %0
; CHECK-NEXT:  %2 = inotport i32 %[[M1]] to i8*
; CHECK-NEXT:  %3 = load volatile i8, i8* %2
; CHECK-NEXT:  %4 = inotport i32 %[[M2]] to i8*
; CHECK-NEXT:  %5 = load volatile i8, i8* %4
; CHECK-NEXT:  %6 = inotport i32 %[[C1]] to i8*
; CHECK-NEXT:  %7 = load volatile i8, i8* %6
; CHECK-NEXT:  %8 = inotport i32 %[[M3]] to i8*
; CHECK-NEXT:  %9 = load volatile i8, i8* %8
; CHECK-NEXT:  %10 = inotport i32 %[[C4]] to i8*
; CHECK-NEXT:  store i8 %9, i8* %10
; CHECK-NEXT:  %11 = inotport i32 %[[M4]] to i8*
; CHECK-NEXT:  store i8 %7, i8* %11
; CHECK-NEXT:  %12 = inotport i32 %[[C3]] to i8*
; CHECK-NEXT:  store i8 %5, i8* %12
; CHECK-NEXT:  %13 = inotport i32 %[[M5]] to i8*
; CHECK-NEXT:  store i8 %3, i8* %13
; CHECK-NEXT:  %14 = inotport i32 %[[M6]] to i8*
; CHECK-NEXT:  store i8 %14, i8** @goo

@goo = global i8* undef

define void @foo_i8() {
entry:
%0 = load volatile i8, i8* inotport (i32 805874688 to i8*)
%1 = load volatile i8, i8* inotport (i32 805874692 to i8*)
%2 = load volatile i8, i8* inotport (i32 805874719 to i8*)
%3 = load volatile i8, i8* inotport (i32 805874720 to i8*)
%4 = load volatile i8, i8* inotport (i32 805874727 to i8*)
store i8 %4, i8* inotport(i32 805873668 to i8*)
store i8 %3, i8* inotport(i32 805873719 to i8*)
store i8 %2, i8* inotport(i32 805873720 to i8*)
store i8 %1, i8* inotport(i32 805873727 to i8*)
store i8* inotport(i32 805874800 to i8*), i8** @goo
ret void
; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %\[\[C1:const[0-9]??\]\] = bitcast i32 805874752 to i32
; CHECK-DAG: %\[\[C2:const[0-9]??\]\] = bitcast i32 805874688 to i32
; CHECK: %0 = inttopr i32 %\[\[C2\]\] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %\[\[M1:const_mat[0-9]??\]\] = add i32 %\[\[C2\]\], 4
; CHECK-NEXT: %2 = inttopr i32 %\[\[M1\]\] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %\[\[M2:const_mat[0-9]??\]\] = add i32 %\[\[C2\]\], 32
; CHECK-NEXT: %4 = inttopr i32 %\[\[M2\]\] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %\[\[M3:const_mat[0-9]??\]\] = add i32 %\[\[C2\]\], 62
; CHECK-NEXT: %6 = inttopr i32 %\[\[M3\]\] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %\[\[M4:const_mat[0-9]??\]\] = add i32 %\[\[C1\]\], 22
; CHECK-NEXT: %8 = inttopr i32 %\[\[M4\]\] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %\[\[M5:const_mat[0-9]??\]\] = add i32 %\[\[C1\]\], 62
; CHECK-NEXT: %10 = inttopr i32 %\[\[M5\]\] to i16*
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

define void @foo_i16() {
  entry:
    %0 = load volatile i16, i16* inttopr (i32 805874688 to i16*), align 2
    %1 = load volatile i16, i16* inttopr (i32 805874692 to i16*), align 2
    %2 = load volatile i16, i16* inttopr (i32 805874720 to i16*), align 2
    %3 = load volatile i16, i16* inttopr (i32 805874750 to i16*), align 2
    %4 = load volatile i16, i16* inttopr (i32 805874752 to i16*), align 2
    %5 = load volatile i16, i16* inttopr (i32 805874774 to i16*), align 2
    ret void
}
define void @foo_i32() {
entry:
%0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

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; RUN: llc -%s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s |
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128)
define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}; CHECK-LABEL: TestSelect:
; CHECK  movaps 16(%rsp), %xmm1
; CHECK-NEXT  callq __subtf3
; CHECK-NEXT  testl %ebx, %ebx
; CHECK-NEXT  jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT  movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT  addq $32, %rsp
; CHECK-NEXT  popq %rbx
; CHECK-NEXT  retq
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}; CHECK-LABEL: TestFabs:
; CHECK  andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}; CHECK-LABEL: TestCopysign:
; CHECK  andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000080000000000000000, %mul
  ret fp128 %res
}; CHECK-LABEL: TestFneg:
; CHECK  movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/RowSortedTable.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/ForwardingListMultimap.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/base/VerifyException.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/reflect/TypeVisitor.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/Runnables.java
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* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
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  jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/Converter.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/util/concurrent/CheckedFuture.java
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  jar/com/google/common/base/internal/Finalizer.java
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  jar/com/google/common/primitives/Bytes.java
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 */
/**
 * Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
 * {code GwtIncompatible}. This is more accurate for {code Futures#catching}, which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
 * it as a {code GwtIncompatible} annotation. And for {code Futures.catching}, we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
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  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
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  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
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  jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/graph/BaseGraph.java
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  jar/com/google/common/collect/JdkBackedImmutableMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/hash/ImmutableSupplier.java
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/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable} key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy version.
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link ImmutableSortedMap#of(Comparable, Object)}.</b>
*/

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/RegularContiguousSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1
jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AsyncFunction.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableBiMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/StandardRowSortedTable.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/Table.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/Tables.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableMapEntrySet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/HashBasedTable.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableMapEntrySet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableListMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableMapEntrySet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/ImmutableListMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collections/SingletonImmutableBiMap.java
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  jar/com/google/common/collection/MultimapBuilder.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collect/ImmutableMapEntry.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/io/MoreFiles.java

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  jar/com/google/common/base/PatternCompiler.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/JdkPattern.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/CommonMatcher.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/CommonPattern.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/net/package-info.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/base/Strings.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/ListeningExecutorService.java
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  jar/com/google/common/collection/ImmutableBiMapFauxverideShim.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/CollectSpliterators.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/graph/package-info.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/FilteredEntrySetMultimap.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/SortedMultisetBridge.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/CompactHashSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
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*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ConsumingQueueIterator.java

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*/
* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableMutableGraph.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableValueGraph.java
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 */
/**
 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
 * version.
 */

Found in path(s):
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/SortedMultiset.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/NaturalOrdering.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/ForwardingListIterator.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/Lists.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/AbstractMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/AbstractMapBasedMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/collection/Multiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/CompoundOrdering.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ReverseNaturalOrdering.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/AbstractMapBasedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/Multimaps.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/AbstractSortedSetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ListMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ForwardingList.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ForwardingConcurrentMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/ForwardingMapEntry.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/Iterables.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collection/IndexedImmutableSet.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/FilteredKeyMultimap.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/math/PairedsStatsAccumulator.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/hash/AbstractByteHasher.java

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  jar/com/google/common/xml/XmlEscapers.java
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  jar/com/google/common/collection/MapMakerInternalMap.java
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  jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
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  jar/com/google/common/escape/ArrayBasedCharEscaper.java
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  jar/com/google/common/collection/RegularImmutableTable.java
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  jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/io/ByteArrayDataInput.java
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  jar/com/google/common/primitives/SignedBytes.java
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  jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/DenseImmutableTable.java
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  jar/com/google/common/base/Platform.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/io/ByteArrayDataOutput.java
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  jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/Defaults.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/base/Functions.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/eventbus/Subscribe.java
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  jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
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  jar/com/google/common/eventbus/AllowConcurrentEvents.java
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  jar/com/google/common/io/Files.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/base/Function.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1.jar/com/google/common/base/Supplier.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/math/MoreObjects.java
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*/opt/ws_local/PERMITS_SQL/1069127339_1594491718.53/0/openshift-model-4-10-2-sources-jar/io/fabric8/openshift/api/model/Template.java

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645db14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266e2df055067c18f2f9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
-------------------
Create 2st primary partition
1bebf87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD

-------------------
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16348 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0
BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0 unused  5 4.1BSD  9 4.4LFS  d boot
1 swap  6 Eighth Edition  a unknown  e ADOS
2 Version 6  7 4.2BSD  b HPFS  f HFS
3 Version 7  8 MS-DOS  c ISO-9660  10 AdvFS
4 System V

BSD disklabel command (m for help):

1.765 jersey-common 2.29.1

1.765.1 Available under license:

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1.766 flyway-core 5.0.7

1.767 libpwquality 1.2.3 5.el7

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1.770 procps 3.3.10 17.el7

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1.771 hibernate-validator 5.2.1.Final

1.771.1 Available under license:

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 */

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/* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java
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 */

/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * */

/*
 * Script expressions can be written in any scripting or expression language,
* for which a `<a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>`
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>
* </p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/META-INF/validation-mapping-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/raw/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/descriptor/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/br/package.html
/*
 * Hibernate Validator, declare and validate application constraints
 *
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/raw/AbstractConstrainedElement.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/StringHelper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/logging/Messages.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/CollectionHelper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator-internal/cfg/context/ExecutableConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator-internal/metadata/aggregated/ValidatableParametersMetaData.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator-internal/CollectionHelper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator-internal/executorConstraintMapping/InterpolationTerm.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator-internal/util/privilegedactions/GetResolvedMemberMethods.java

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jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfByte.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/constraints/Email.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/xml/MetaConstraintBuilder.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/SimpleELContext.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/descriptor/GroupConversionDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/provider/ProgrammaticMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/parameternameprovider/package-info.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/util/privilegedactions/GetResources.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/descriptor/ExecutableDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/ReturnValueMayOnlyBeMarkedOnceAsCascadedPerH
ierarchyLine.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredField.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/enum/TypeConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/defs/URLDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/MethodConfigurationRule.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/engine/messageinterpolation/ElTermResolver.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/package-info.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/resourceloading/PlatformResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForInstant.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorManager.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadableInstant.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/group/DefaultGroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/parameternameprovider/ParamenerParameterNameProvider.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/future/package-info.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/defs/DecimalMaxDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/SafeHtmlValidator.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/core/MetaConstraint.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/descriptor/ElementDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/interpolation/parser/Token.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/logging/LoggerFactory.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/interpolation/InterpolationTermType.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/spi/interpolation/InterpolationTermType.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/context/MethodConstraintMappingContext.java

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* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/TypeHelper.java

1.772 commons-compiler 2.7.6

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* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/samples/package-info.java
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* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/Cookable.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/WarningHandler.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/LocatedException.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/UncheckedCompileException.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/PrimitiveWrapper.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/samples/ClassBodyDemo.java
1.773 hivex 1.3.10 6.9.el7

1.773.1 Available under license:

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
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Section 6 states terms for distribution of such executables.

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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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Ty Coon, President of Vice

That's all there is to it!

1.784 json-glib 1.2.6 1.el7

1.784.1 Available under license:

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.804 opencontainers-selinux 1.5.1

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original
version, so that any problems introduced by others will not reflect on
the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free
software will individually obtain patent licenses, thus in effect
transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's
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Most GNU software, including some libraries, is covered by the ordinary
GNU General Public License, which was designed for utility programs. This
license, the GNU Library General Public License, applies to certain
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one; be sure to read it in full, and don't assume that anything in it is
the same as in the ordinary license.

The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a
program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License
treats it as such.

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the
libraries themselves. This Library General Public License is intended to
permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve
this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

       (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
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In other cases, permission to use a particular library in non-free
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function still works.)
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy
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source code from the same place satisfies the requirement to
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
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When a "work that uses the Library" uses material from a header file
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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.820 hk2 2.6.1

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1.823 stax-api 1.0 2

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 */
/**
 * A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [@link ServletWebServerFactory] bean.
 * @param <T> 
 * This context will create, initialize and run an [@link WebServer] by searching for a
 * single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
 * itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * @param <T>
 * In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
 * '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [ServletContextInitializer] interface (most often
* [ServletRegistrationBean]s and/or [FilterRegistrationBean]s). To prevent
* double registration, the use of [ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [AnnotationConfigServletWebServerApplicationContext] or
* [XmlServletWebServerApplicationContext] variants.
* 
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
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/opt/cola/permits/1137623241_1614109449.78/0/spring-boot-2-1-11-release-sources-2.jar/org/springframework/boot/diagnostics/analyzer/BindValidationFailureAnalyzer.java
* /opt/cola/permits/1137623241_1614109449.78/0/spring-boot-2-1-11-release-sources-2-jar/org/springframework/boot/SpringBootExceptionReporter.java
* /opt/cola/permits/1137623241_1614109449.78/0/spring-boot-2-1-11-release-sources-2-jar/org/springframework/boot/diagnostics/analyzer/NoSuchMethodFailureAnalyzer.java
* /opt/cola/permits/1137623241_1614109449.78/0/spring-boot-2-1-11-release-sources-2-jar/org/springframework/boot/jta/bitronix/PoolingDataSourceBean.java

1.830 springfox-swagger-ui 2.7.0

1.831 libnl3 3.2.28 4.el7

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1.833 libogg 1.3.0-7.el7
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1.834 libguestfs 1.38.2-12.el7

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 *)

(* This is the traditional virt-sparsify mode: We copy from a
* source disk to a destination disk.
*)

open Unix
open Printf

open Std_utils
open Tools_utils
open Common_gettext.Gettext
open Unix_utils

open Utils
open Cmdline

module G = Guestfs

type tmp_place =
| Directory of string | Block_device of string | Prebuilt_file of string

let run indisk outdisk check_tmpdir compress convert
  format ignores machine_readable option tmp_param zeroes =

  (* Once we have got past argument parsing and start to create
   * temporary files (including the potentially massive overlay file), we
   * need to catch SIGINT (^C) and exit cleanly so the temporary file
   * goes away. Note that we don't delete temporaries in the signal
   * handler.
   *)
let do_sigint _ = exit 1 in
Sys.set_signal Sys.sigint (Sys.Signal_handle do_sigint);

  (* What should the output format be? If the user specified an
   * input format, use that, else detect it from the source image.
   *)
let output_format =
match convert with
| Some fmt -> fmt (* user specified output conversion *)
| None ->
  match format with
| Some fmt -> fmt (* user specified input format, use that *)
| None ->
  (* Don't know, so we must autodetect. *)
  match (open_guestfs ())#disk_format indisk with
  | "unknown" ->
    error (f_"cannot detect input disk format; use the --format parameter")
  | fmt -> fmt in

  (* Compression is not supported by raw output (RHBZ#852194). *)
if output_format = "raw" && compress then
  error (f_"--compress cannot be used for raw output. Remove this option or use --convert qcow2.");

(* Use TMPDIR or --tmp parameter? *)
let tmp_place =
  match tmp_param with
  | None -> Directory (Filename.get_temp_dir_name ()) (* $TMPDIR or /tmp *)
  | Some dir when is_directory dir -> Directory dir
  | Some dev when is_block_device dev -> Block_device dev
  | Some file when String.is_prefix file "prebuilt:" ->
    let file = String.sub file 9 (String.length file - 9) in
    if not (Sys.file_exists file) then
      error (f_"--tmp prebuilt:file: %s: file does not exist") file;
    let g = open_guestfs () in
    if g#disk_format file <> "qcow2" then
      error (f_"--tmp prebuilt:file: %s: file format is not qcow2") file;
    if not (g#disk_has_backing_file file) then
      error (f_"--tmp prebuilt:file: %s: file does not have backing file")
      file;
    Prebuilt_file file
  | Some path ->
    error (f_"--tmp parameter must point to a directory, block device or prebuilt file") in

(* Check there is enough space in temporary directory. *)
(match tmp_place with
  | Block_device _
  | Prebuilt_file _ -> ()
  | Directory tmpdir ->
    (* Get virtual size of the input disk. *)
    let virtual_size = (open_guestfs ())#disk_virtual_size indisk in
    debug "input disk virtual size is %Ld bytes (%s)"
    virtual_size (human_size virtual_size);

    let print_warning () =
      let free_space = StatVFS.free_space (StatVFS.statvfs tmpdir) in
      let extra_needed = virtual_size \- free_space in
      if extra_needed \> 0L then (warning (f_"\n      There may not be enough free space on %s.
      You may need to set TMPDIR to point to a directory with more free space.

      Max needed: %s. Free: %s. May need another %s.

      Note this is an overestimate. If the guest disk is full of data
      then not as much free space would be required.

      You can ignore this warning or change it to a hard failure using the
      --check-tmpdir=(ignore|continue|warn|fail) option. See virt-sparsify(1).
match check_tmpdir with
| `Ignore -> ()
| `Continue -> ignore (print_warning ())
| `Warn -> if print_warning () then (eprintf "Press RETURN to continue or ^C to quit.\n%!"); ignore (read_line ());
| `Fail -> if print_warning () then (eprintf "Exiting because --check-tmpdir=fail was set.\n%!"); exit 2)
);

(* Create the temporary overlay file. *)
let overlaydisk = (match tmp_place with
| Directory tmpdir -> message (f_"Create overlay file in %s to protect source disk") tmpdir
| Block_device device -> message (f_"Create overlay device %s to protect source disk") device
| Prebuilt_file file -> message (f_"Using prebuilt file %s as overlay") file);

(* Create 'tmp' with the indisk as the backing file. *)
let create tmp = let g = open_guestfs () in g#disk_create ~backingfile:indisk ?backingformat:format ~compat:"1.1" tmp "qcow2" Int64.minus_one in

match tmp_place with
| Directory temp_dir ->
  let tmp = Filename.temp_file ~temp_dir "sparsify" ".qcow2" in unlink_on_exit tmp; create tmp; tmp
| Block_device device ->
create device;
device

| Prebuilt_file file ->
(* Don't create anything, use the prebuilt file as overlay. *)
file in

message (f_"Examine source disk");

(* Connect to libguestfs. *)
let g =
  let g = open_guestfs () in

  (* Note that the temporary overlay disk is always qcow2 format. *)
g#add_drive ~format:"qcow2" ~readonly:false ~cachemode:"unsafe" overlaydisk;

  if not (quiet ()) then Progress.set_up_progress_bar ~machine_readable g;
g#launch ();

  g in

(* Decrypt the disks. *)
inspect_decrypt g;

(* Modify SIGINT handler (set first above) to cancel the handle. *)
let do_sigint _ =
  g#user_cancel ();
  exit 1
in
Sys.set_signal Sys.sigint (Sys.Signal_handle do_sigint);

(* Write zeroes for non-ignored filesystems that we are able to mount,
* and selected swap partitions.
*)
let filesystems = g#list_filesystems () in
let btrfs_filesystems = List.filter (fun (fs, fstype) ->
  fstype = "btrfs"
) filesystems in
let btrfs_filesystems = List.map fst btrfs_filesystems in
let filesystems = List.map fst filesystems in
let filesystems = List.sort compare filesystems in

let is_ignored fs =
  let fs = g#canonical_device_name fs in
  List.exists (fun fs' -> fs = g#canonical_device_name fs') ignores
let is_read_only_lv = is_read_only Lv g in

let is_readonly_btrfs_snapshot fs mp = try
    let is_btrfs = List.mem fs btrfs_filesystems in
    if is_btrfs then (try
        let vol_info = g#btrfs_subvolume_show mp in
        String.find (List.assoc "Flags" vol_info) "readonly" <> -1 with G.Error _ -> false
    ) else false
    with Not_found -> false
in

let is_readonly_device mp = let statvfs = g#statvfs mp in
    let flags = statvfs.G.flag in
    (* 0x01 is ST_RDONLY in Linux' GNU libc. *)
    flags <> -1i &
    (flags &^ 0x1i) <> 0i in

List.iter (fun fs ->
    if not (is_ignored fs) && not (is_read_only Lv fs) then (if List.mem fs zeroes then (message (f_"Zeroing %s") fs;
        g#zero_device fs)
    ) else (let mounted = try g#mount fs "/"; true
        with _ -> false in
        if mounted then (if is_readonly_btrfs_snapshot fs "/" then (info (f_"Skipping %s, as it is a read-only btrfs snapshot.") fs;
            ) else if is_readonly_device "/" then (info (f_"Skipping %s, as it is a read-only device.") fs;
                ) else (message (f_"Fill free space in %s with zero") fs;
                    g#zero_free_space "/"
                )
            )
        ) else (let is_linux_x86_swap = (* Look for the signature for Linux swap on i386.
            * Location depends on page size, so it definitely won't
* work on non-x86 architectures (eg. on PPC, page size is
  * 64K). Also this avoids hibernated swap space: in those,
  * the signature is moved to a different location.
  *
  try g#pread_device fs 10 4086L = "SWAPSPACE2"
  with _ -> false in

  if is_linux_x86_swap then (
    message (f_"Clearing Linux swap on %s") fs;

    (* Don't use mkswap. Just preserve the header containing
    * the label, UUID and swap format version (libguestfs
    * mkswap may differ from guest's own).
    *)
    let header = g#pread_device fs 4096 0L in
    g#zero_device fs;
    if g#pwrite_device fs header 0L <> 4096 then
      error (f_"pwrite: short write restoring swap partition header")
  )
)

  g#umount_all ()
)
)

(* Fill unused space in volume groups. *)
let vgs = g#vgs () in
let vgs = Array.to_list vgs in
let vgs = List.sort compare vgs in
List.iter (fun vg ->
  if not (List.mem vg ignors) then ( 
    let lvname = String.random8 () in
    let lvdev = "/dev/" ^ vg ^ "/" ^ lvname in

    let created =
      try g#lvcreate_free lvname vg 100; true
        with _ -> false in

    if created then ( 
      message (f_"Fill free space in volgroup %s with zero") vg;

      g#zero_device lvdev;
      g#sync ();
      g#lvremove lvdev
    )
  )
)
) vgs;

(* Don't need libguestfs now. *)
g#shutdown ();
g#close ();

(* Modify SIGINT handler (set first above) to just exit. *)
let do_sigint _ = exit 1 in
Sys.set_signal Sys.sigint (Sys.Signal_handle do_sigint);

(* Now run qemu-img convert which copies the overlay to the
 * destination and automatically does sparsification. *)
message ("Copy to destination and make sparse");

let cmd =
  sprintf "qemu-img convert -f qcow2 -O %s%s%s %s %s"
  (quote output_format)
  (if compress then " -c" else "")
  (match option with
   | None -> ""
   | Some option -> " -o " ^ quote option)
  (quote overlaydisk) (quote (qemu_input_filename outdisk)) in
if shell_command cmd <> 0 then
  error (f_"external command failed: %s") cmd;

(* Finished. *)
message (f_"Sparsify operation completed with no errors.");
if not (quiet ()) then
  info (f_"Before deleting the old disk, carefully check that the target disk boots and works correctly.");

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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fake
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 *)

(** This is the traditional virt-sparsify mode: We copy from a
 source disk to a destination disk. *)

type tmp_place =
 | Directory of string | Block_device of string | Prebuilt_file of string

val run : string -> string -> Cmdline.check_t -> bool -> string option -> string option -> string list -> bool -> string option -> string option -> string list -> unit
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1.835 guava 27.1-jre

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 */
/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable} key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy version.

* @throws UnsupportedOperationException always

* @deprecated <b>Pass a key of type {@code Comparable} to use {@link ImmutableSortedMap#of(Comparable, Object)}.</b>

*/

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/WriteMode.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/LongAddables.java

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jar/com/google/common/util/concurrent/Service.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/DenseImmutableTable.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/HostSpecifier.java
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jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/SortedMultisetBridge.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/RegularImmutableAsList.java
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* /opt/cola/permits/1110923413_1606872220.46/guava-27-1-jre-sources-2.jar/com/google/common/collection/TreeTraverser.java
* /opt/cola/permits/1110923413_1606872220.46/guava-27-1-jre-sources-2.jar/com/google/common/collection/FilteredSetMultimap.java
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* /opt/cola/permits/1110923413_1606872220.46/guava-27-1-jre-sources-2.jar/com/google/common/collection/ForwardingImmutableMap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/Range.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
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  jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/graph/EndpointPairIterator.java
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  jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
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  jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/graph/DirectedNetworkConnections.java
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  jar/com/google/common/graph/NetworkConnections.java
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  jar/com/google/common/graph/ForwardingNetwork.java
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  jar/com/google/common/graph/MultiEdgesConnecting.java
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  jar/com/google/common/graph/MutableValueGraph.java
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  jar/com/google/common/collect/RangeGwtSerializationDependencies.java
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  jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/collect/CollectCollectors.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/graph/ConfigurableNetwork.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/MutableNetwork.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/TopKSelector.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/graph/MutableGraph.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Converter.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/AbstractCheckedFuture.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/primitives/Doubles.java
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jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/primitives/Ints.java
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jar/com/google/thirdparty/publicsuffix/TrieParser.java
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jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/collect/GwtTransient.java

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jar/com/google/common/collect/GwtTransient.java

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>Returns an array containing all of the elements in the specified collection. This method returns the elements in the order they are returned by the collection's iterator. The returned array is "safe" in that no references to it are maintained by the collection. The caller is thus free to modify the returned array.

This method assumes that the collection size doesn't change while the method is running.

TODO(kevinb): support concurrently modified collections?

@param c the collection for which to return an array of elements

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/MoreFiles.java
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jar/com/google/common/collect/ImmutableMapEntry.java
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jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/hash/MacHashFunction.java
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jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/util/concurrent/AsyncCallable.java
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jar/com/google/common/util/concurrent/InterruptibleTask.java
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jar/com/google/common/util/concurrent/ConsumerQueueIterator.java

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  jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
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  jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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  jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/annotations/VisibleForTesting.java
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  jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/io/AppendableWriter.java
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  jar/com/google/common/util/concurrent/ImmediateFuture.java
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  jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
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  jar/com/google/common/util/concurrent/TimeoutFuture.java
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  jar/com/google/common/util/concurrent/FluentFuture.java
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  jar/com/google/common/util/concurrent/AbstractTransformFuture.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/ArrayListMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/AbstractSetMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/AbstractListMultimap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/NullsLastOrdering.java
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jar/com/google/common/io/ByteStreams.java
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jar/com/google/common/util/concurrent/DirectExecutor.java
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jar/com/google/common/io/LittleEndianDataOutputStream.java
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jar/com/google/common/base/Functions.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/eventbus/package-info.java
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jar/com/google/common/base/FinalizableWeakReference.java
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jar/com/google/common/io/Resources.java
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jar/com/google/common/base/Objects.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/collect/EnumMultiset.java
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Defaults.java
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 */
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *<p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/JdkBackedImmutableMultiset.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/base/MoreObjects.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/Dispatcher.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/IndexedImmutableSet.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Verify.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/Runnables.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Equivalence.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ListeningExecutorService.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/Atomics.java

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jar/com/google/common/c/ForwardingListMultimap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/hash/AbstractHashFunction.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/SortedIterable.java
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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cffe2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handler, systembuf, pipe and pstream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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@Retention(RetentionPolicy.RUNTIME)
public @interface License {

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 * The name of the license.
 *
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 */
String name();

/**
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 */
String url() default "";
}

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# Contributions to the urllib3 project

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* erikcederstrand <http://code.google.com/u/erikcederstrand/>
* NTLM-authenticated HTTPSCloneConnectionPool
* Basic-authenticated HTTPSCloneConnectionPool (merged into make_headers)
* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

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* studer <theo.studer@gmail.com>
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* Shivaram Lingamneni <slingamn@cs.stanford.edu>
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* hartator <hartator@gmail.com>
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* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions
* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage
* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.849 junit 4.11

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1.850 cyphar-filepath-securejoin 0.2.2
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1.851 openstack4j-jersey2 3.6
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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: Apache Maven Bundle Plugin
Built-By: leishi
Build-Jdk: 13.0.2
Bnd-LastModified: 1596416175349
Bundle-Description: OpenStack Java API Connectors
Bundle-License: http://opensource.org/licenses/MIT
Bundle-ManifestVersion: 2
Bundle-Name: OpenStack4j Jersey2 Connector
Bundle-SymbolicName: openstack4j-jersey2
Bundle-Version: 3.6.0
Export-Package: org.openstack4j.connectors.jersey2;uses:="javax.ws.rs.client,javax.ws.rs.core,org.openstack4j.core.transport";version="3.6.0"
Import-Package: com.fasterxml.jackson.databind;version="[2.10,3)";com.google.common.cache;version="[2.10,3)";javax.net.ssl,javax.ws.rs;version="[2.1,3)";javax.ws.rs.client;version="[2.1,3)";javax.ws.rs.core;version="[2.1,3)";javax.ws.rs.ext;version="[2.1,3)";org.glassfish.jersey.client;version="[2.29,3)";org.glassfish.jersey.client.spi;version="[2.29,3)";org.glassfish.jersey.jackson;version="[2.10,3)";org.glassfish.jersey.logging;version="[2.29,3)";org.openstack4j.api.exceptions;version="[3.6,4)";org.openstack4j.core.transport;version="[3.6,4)";org.openstack4j.core.transport.internal;version="[3.6,4)"
Provide-Capability: osgi.serviceloader;osgi.serviceloader="org.openstack4j.core.transport.HttpExecutorService"
Require-Capability: osgi.extender;filter:="(osgi.extender=osgi.serviceloader.registrar)";osgi.ee;filter:="(&osgi.ee=JavaSE)(version=1.8)"

Tool: Bnd-2.3.0.201405100607

Found in path(s):
* /opt/cola/permits/1266269399_1652249340.643858/0/openstack4j-jersey2-3-6-jar/META-INF/MANIFEST.MF

1.852 kmod 20 21.el7

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public DomainBuilder domain();

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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/model/identity/v3/builder/IdentityV3Builders.java
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public DomainBuilder toBuilder() {
public DomainConcreteBuilder() {
public Domain build() {
public DomainBuilder from(Domain in) {
public DomainBuilder id(String id) {
public DomainBuilder description(String description) {
public DomainBuilder name(String name) {
public DomainBuilder options(Map<String, String> options) {
public DomainBuilder links(Map<String, String> links) {
public DomainBuilder enabled(boolean enabled) {

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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/domain/KeystoneDomain.java
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public Domain getDomain() {

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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources.jar/org/openstack4j/openstack/identity/v3/domain/KeystoneUser.java

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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources.jar/org/openstack4j/api/compute/ext/FloatingIPDNSDomainService.java

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/**
 * Creates or Updates a PUBLIC domain name record
 * @param domainName the FQ Domain name
 * @param project the project name
 * @return the created/updated domain entry
 */

Found in path(s):
* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources.jar/org/openstack4j/api/compute/ext/FloatingIPDNSDomainService.java

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public DomainEntry createPublic(String domainName, String project) {
public DomainEntry createPrivate(String domainName, String availabilityZone) {

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public DomainBuilder domain() {

Found in path(s):
* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/builder/KeystoneV3Builders.java
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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/domain/KeystoneAuth.java
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public DomainService domains() {

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* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/internal/IdentityServiceImpl.java
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package org.openstack4j.openstack.identity.v3.internal;

import static com.google.common.base.Preconditions.checkNotNull;
import static org.openstack4j.core.transport.ClientConstants.PATH_DOMAINS;
import java.util.List;
import org.openstack4j.api.identity.v3.DomainService;
import org.openstack4j.core.transport.ClientConstants.PATH_DOMAINS;
import java.util.List;
import org.openstack4j.api.identity.v3.DomainService;
import org.openstack4j.core.transport.ClientConstants.PATH_DOMAINS;

public class DomainServiceImpl extends BaseIdentityServices implements DomainService {

    @Override
    public Domain create(Domain domain) {
        checkNotNull(domain);

    }

}
return post(KeystoneDomain.class, PATHDOMAINS).entity(domain).execute();
}

@Override
public Domain create(String name, String description, boolean enabled) {
    checkNotNull(name);
    checkNotNull(description);
    checkNotNull(enabled);
    return create(KeystoneDomain.builder().name(name).description(description).enabled(enabled).build());
}

@Override
public Domain update(Domain domain) {
    checkNotNull(domain);
    return patch(KeystoneDomain.class, PATHDOMAINS, "/", domain.getId()).entity(domain).execute();
}

@Override
public Domain get(String domainId) {
    checkNotNull(domainId);
    return get(KeystoneDomain.class, PATHDOMAINS, "/", domainId).execute();
}

@Override
public List<? extends Domain> getByName(String domainName) {
    checkNotNull(domainName);
    return get(Domains.class, uri(PATHDOMAINS)).param("name", domainName).execute().getList();
}

@Override
public ActionResponse delete(String domainId) {
    checkNotNull(domainId);
    return deleteWithResponse(PATHDOMAINS, "/", domainId).execute();
}

@Override
public List<? extends Domain> list() {
    return get(Domains.class, uri(PATHDOMAINS)).execute().getList();
}

Found in path(s):
* /opt/cola/permits/1266269345_1644001026.06/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/internal/DomainServiceImpl.java
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The Interface FloatingIP.

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@author nanderson

*/

public Domain getUserDomain(String userId) {

*/

1.854 avahi 0.6
1.854.1 Available under license:

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

1.855 hibernate-validator 5.3.6.Final

1.855.1 Available under license:

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/ *
 * Hibernate Validator, declare and validate application constraints
 *
 * License: Apache License, Version 2.0
 * See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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 * Hibernate Validator, declare and validate application constraints
 *
 * License: Apache License, Version 2.0
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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * </p>
 * <p>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
* {@link javax.validation.ParameterNameProvider}. By default, @arg0, @arg1 etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
jar/org/hibernate/validation/constraints/ParameterScriptAssert.java
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Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
jar/org/hibernate/validation/internal/util/TypeHelper.java
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~
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* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/spi/resourceloading/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraints/br/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraints/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/INTERNAL/ENGINE/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraintvalidation/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/cfg/defs/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/raw/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/group/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/cfg/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/spi/group/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/resource.loading/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/overview.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/resource.loading/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/resource.loading/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/maven/org.hibernate/hibernate-validator/pom.xml
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/descriptor/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/conf/package.html
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
/*
 * Hibernate Validator, declare and validate application constraints
 */
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*/

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* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/cfg/context/ParameterConstraintMappingContextImpl.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/descriptor/GroupConversionDescriptorImpl.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/facets/Validatable.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/ cfg/defs/NotEmptyDef.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
* /opt/cola/ permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/raw/ConstrainedExecutable.java
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* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/AutoConfigureOrder.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/jdbc/JdbcTemplateAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/mail/MailProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/web/reactive/servlet/WebSocketServletAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/web/reactive/WebFluxProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/web/reactive/WebFluxProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/session/NonUniqueSessionRepositoryFailureAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/BackgroundPreinitializer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/security/reactive/ReactiveUserDetailsServiceAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/solr/SolrAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/mongo/MongoProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisEmbeddedServerConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/jersey/JerseyAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/session/JdbcSessionDataSourceInitializer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/WebMvcRegistrations.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/template/package-info.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/condition/AbstractNestedCondition.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/cache/package-info.java

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jar/org/springframework/boot/autoconfigure/domain/EntityScan.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/session/NonUniqueSessionRepositoryException.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/jdbc/JndiDataSourceAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/mongo/embedded/EmbeddedMongoAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/data/redis/LettuceClientConfigurationBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/batch/BatchAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/mongo/MongoClientSettingsBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateJpaAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/jersey/ResourceConfigCustomizer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/jdbc/JdbcTemplateConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/web/servlet/error/AbstractErrorController.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/condition/ConditionalOnJndi.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/mail/MailSenderAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/gson/GsonAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/amqp/DirectRabbitListenerContainerFactoryConfigurer.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/session/SessionRepositoryUnavailableException.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources.jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQProperties.java

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* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/mongo/package-info.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/transaction/jta/AtomikosJtaConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisEmbeddedConfigurationFactory.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/domain/EntityScanner.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/aop/AopAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/session/AbstractSessionCondition.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/client/RestTemplateAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/ServletAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/rest/RestTemplateAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/rest/client/RestTemplateAutoConfiguration.java

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* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/flyway/FlywayAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/WebMvcProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/kafka/KafkaProperties.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/kafka/KafkaAnnotationDrivenConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070773845_1594734068.14/0/spring-boot-autoconfigure-2-2-7-release-sources-jar/org/springframework/boot/autoconfigure/couchbase/CouchbaseProperties.java
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1.862 libvorbis 1.3.3 8.el7

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1.863 snake-yaml 1.23

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* /opt/cola/permits/1000770200_1646171503.5/0/snakeyaml-1-23-jar/META-INF/maven/org.yaml/snakeyaml/pom.xml

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Manifest-Version: 1.0
Bnd-LastModified: 1535387016033
Build-Jdk: 1.8.0_181
Built-By: somov
Bundle-Description: YAML 1.1 parser and emitter for Java
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: SnakeYAML
Bundle-SymbolicName: org.yaml.snakeyaml
Bundle-Version: 1.23.0
Created-By: Apache Maven Bundle Plugin
Export-Package: org.yaml.snakeyaml;version="1.23",org.yaml.snakeyaml.composer;version="1.23",org.yaml.snakeyaml.constructor;version="1.23",org.yaml.snakeyaml.emitter;version="1.23",org.yaml.snakeyaml.error;version="1.23",org.yaml.snakeyaml.events;version="1.23",org.yaml.snakeyaml.extensions.compactnotation;version="1.23",org.yaml.snakeyaml.introspector;version="1.23",org.yaml.snakeyaml.nodes;version="1.23",org.yaml.snakeyaml.parser;version="1.23",org.yaml.snakeyaml.reader;version="1.23",org.yaml.snakeyaml.resolver;version="1.23",org.yaml.snakeyaml.scanner;version="1.23",org.yaml.snakeyaml.serializer;version="1.23",org.yaml.snakeyaml.tokens;version="1.23",org.yaml.snakeyaml.util;version="1.23"
Import-Package: org.yaml.snakeyaml;version="[1.23,2)",org.yaml.snakeyaml.composer;version="[1.23,2)",org.yaml.snakeyaml.constructor;version="[1.23,2)",org.yaml.snakeyaml.emitter;version="[1.23,2)",org.yaml.snakeyaml.error;version="[1.23,2)",org.yaml.snakeyaml.events;version="[1.23,2)",org.yaml.snakeyaml.introspector;version="[1.23,2)",org.yaml.snakeyaml.nodes;version="[1.23,2)",org.yaml.snakeyaml.parser;version="[1.23,2)",org.yaml.snakeyaml.reader;version="[1.23,2)",org.yaml.snakeyaml.resolver;version="[1.23,2)",org.yaml.snakeyaml.scanner;version="[1.23,2)",org.yaml.snakeyaml.serializer;version="[1.23,2)",org.yaml.snakeyaml.tokens;version="[1.23,2)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-3.5.0.201709291849

1.864 realm 0.16.1-11.el7
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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a shared library, the combination of the two is legally speaking a
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We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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@appendixsubsec Preamble

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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@item Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, deestation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support.
that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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