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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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1.3 system-security-cryptography-encoding

4.3.0

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1.4 system-security-cryptography-algorithms

4.3.0

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1.5 system-security-principal-windows 4.4.0

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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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By Sean Eron Anderson seander@cs.stanford.edu

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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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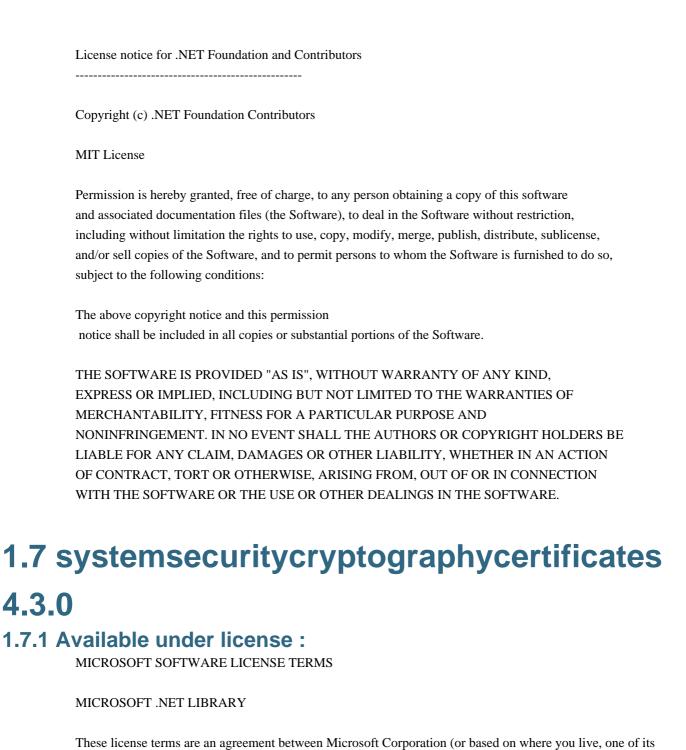
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1.10 system-buffers 4.5.1

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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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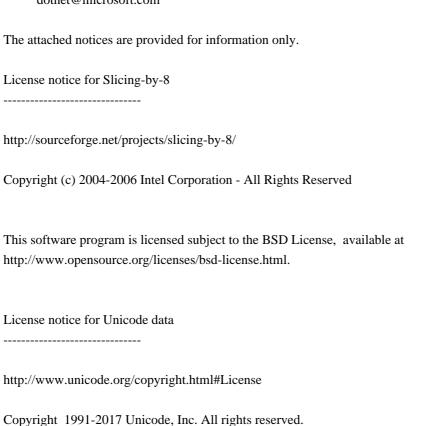
1.11 system-threading-tasks-extensions 4.5.4

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1.12 system-numerics-vectors 4.5.0

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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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Alek Storm <alek.storm@gmail.com>

* Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>

- * MS Visual Studio error format option.
- * Detect unordered_map in stl_hash.m4.

Brian Olson

 brianolson@google.com>

* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>

- * Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- * Added generation of field number constants.

Wink Saville <wink@google.com>

* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

* Small patch improving performance of in Python serialization.

Alexandre Vassalotti <alexandre@peadrop.com>

* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>

* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- * Detect whether zlib is new enough in configure script.
- * Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- * Optimize Java serialization code when writing a small message to a stream.
- * Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- * Clean up some Java warnings.
- * Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski < m.kucharski@gmail.com>

* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthisius.kk@gmail.com>

* Fixed m4/acx pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>

- * Fixed detection of sched_yield on Solaris.
- * Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- * Fixed minor IBM xlC compiler build issues
- * Added atomicops for AIX (POWER)

Nipunn Koorapati <nipunn1313@gmail.com>

- * Provide a type alias field ValueType
- on EnumTypeWrapper
- * Match service argument names to abstract interface

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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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By Sean Eron Anderson seander@cs.stanford.edu

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Bit Twiddling Hacks

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1.22 system-reflection-emit-ilgeneration 4.7.0

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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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Bit Twiddling Hacks

By Sean Eron Anderson seander@cs.stanford.edu

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Martin Richards

23 February 2007

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  <TpnRepo Include="dotnet/installer" />
```

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<TpnRepo Include="dotnet/roslyn-analyzers" />
  <TpnRepo Include="dotnet/templating" />
  <TpnRepo Include="dotnet/winforms" />
  <TpnRepo Include="dotnet/wpf" />
  <!--
    Additional repos that should be included but don't have any
third-party-notices files:
     dotnet/efcore
     dotnet/emsdk
     dotnet/extensions
     dotnet/icu
     dotnet/sdk
     dotnet/windowsdesktop
     dotnet/linker
  -->
  <TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />
  /ItemGroup>
  < Regenerate Third Party Notices
  TpnFile="$(TpnFile)"
  PotentialTpnPaths="@(PotentialTpnPath)"
  TpnRepos="@(TpnRepo)" />
 <Message Text="$(MSBuildProjectName) -> $(TpnFile)" Importance="High" />
</Target>
</Project>
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** Rick Grehan, BYTE Magazine

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** Create:

** Revision: 3/95

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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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By Sean Eron Anderson seander@cs.stanford.edu

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John R. Hauser 2018 January 20

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Martin Richards

23 February 2007

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```
</ItemGroup>
<ItemGroup>
 <CMakeProjectReference Include="../../NativeServer/CMakeLists.txt" />
 <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
/ItemGroup>
</Project>
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new XElement("TITLE", "The Tragedy of Hamlet, Prince of Denmark"),
new XElement("fm",
 new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
 new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
 new XElement("p", "XML version by Jon Bosak, 1996-1997."),
 new XElement("p", "This work may be freely copied and distributed worldwide.")
<Project Sdk="Microsoft.Build.NoTargets">
<UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />
<Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
 <PropertyGroup>
  <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT</TpnFile>
 </PropertyGroup>
  <!--
  Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside
  its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file
  in the dotnet home directory.
  <ItemGroup>
  <TpnRepo Include="dotnet/runtime" />
  <TpnRepo Include="dotnet/aspnetcore" />
  <TpnRepo Include="dotnet/installer" />
  <TpnRepo Include="dotnet/roslyn-analyzers" />
  <TpnRepo Include="dotnet/templating" />
  <TpnRepo Include="dotnet/winforms" />
  <TpnRepo Include="dotnet/wpf" />
```

```
<!--
    Additional repos that should be included but don't have any
third-party-notices files:
     dotnet/efcore
     dotnet/emsdk
     dotnet/extensions
     dotnet/icu
     dotnet/sdk
     dotnet/windowsdesktop
     dotnet/linker
  -->
  <TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />
  </ItemGroup>
  < Regenerate Third Party Notices
  TpnFile="$(TpnFile)"
  PotentialTpnPaths="@(PotentialTpnPath)"
  TpnRepos="@(TpnRepo)"/>
  <Message Text="$(MSBuildProjectName) -> $(TpnFile)" Importance="High" />
</Target>
</Project>
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Bit Twiddling Hacks

By Sean Eron Anderson seander@cs.stanford.edu

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jar/dagger/internal/MembersInjectors.java
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1.33 boost 1.83

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Martin Richards 23 February 2007

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<ProjectReference Include="\$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
</ItemGroup>
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```
<Project Sdk="Microsoft.Build.NoTargets">
<UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />
<Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
 <PropertyGroup>
  <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT/TpnFile>
 </PropertyGroup>
 <!--
  Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside
  its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file
  in the dotnet home directory.
 -->
 <ItemGroup>
  <TpnRepo Include="dotnet/runtime" />
  <TpnRepo Include="dotnet/aspnetcore" />
  <TpnRepo Include="dotnet/installer" />
  <TpnRepo Include="dotnet/roslyn-analyzers" />
  <TpnRepo Include="dotnet/templating" />
  <TpnRepo Include="dotnet/winforms" />
  <TpnRepo Include="dotnet/wpf" />
  <TpnRepo Include="dotnet/linker" />
  <!--
   Additional repos that
should be included but don't have any third-party-notices files:
    dotnet/efcore
    dotnet/emsdk
    dotnet/extensions
    dotnet/icu
    dotnet/sdk
    dotnet/windowsdesktop
  -->
  <TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />
 </ItemGroup>
 < Regenerate Third Party Notices
  TpnFile="$(TpnFile)"
  PotentialTpnPaths="@(PotentialTpnPath)"
  TpnRepos="@(TpnRepo)" />
```

```
<Message Text="$(MSBuildProjectName) -> $(TpnFile)" Importance="High" />
</Target>
</Project>
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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.12, March 27th, 2022

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By Sean Eron Anderson seander@cs.stanford.edu

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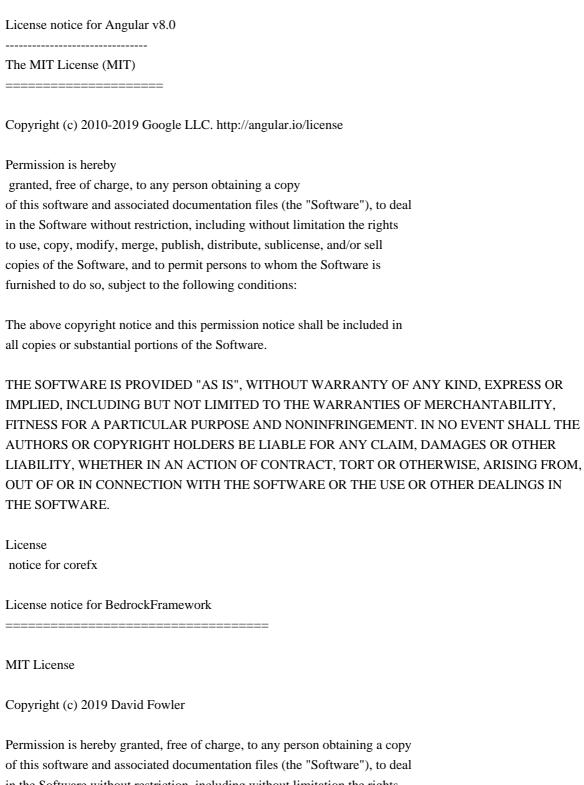
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1.56 wixtoolset.sdk 4.0.2

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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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Bit Twiddling Hacks

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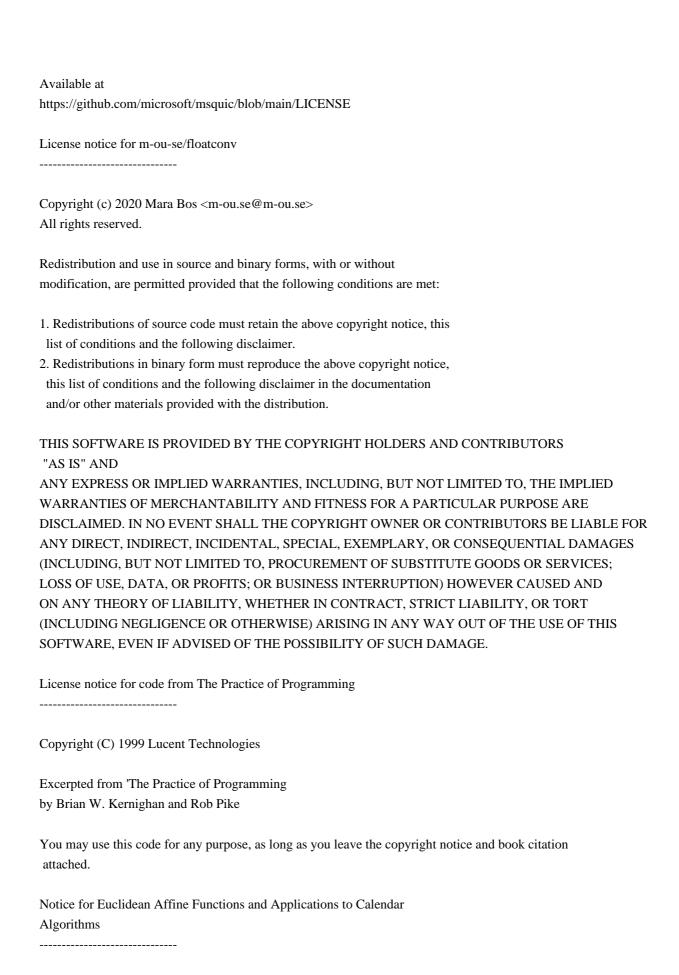
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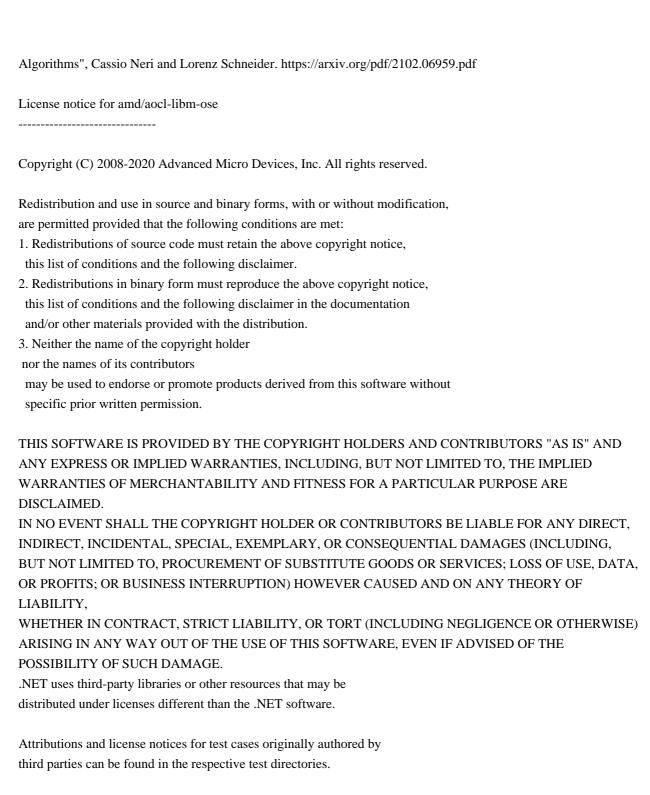
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https://github.com/dotnet/runtime/blob/4893732ba881a4fb9023af1d6d4e64bb2a6eddbc/src/tests/sizeondisk/sodbench/SoDBench.cs#L735

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<Project Sdk="Microsoft.Build.NoTargets">
<UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />
<Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
 <PropertyGroup>
   <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT/TpnFile>
  </PropertyGroup>
  <!--
   Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside
   its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file
   in the dotnet home directory.
  -->
  <ItemGroup>
   <TpnRepo Include="dotnet/runtime" />
   <TpnRepo Include="dotnet/aspnetcore" />
   <TpnRepo Include="dotnet/installer" />
   <TpnRepo Include="dotnet/roslyn-analyzers" />
   <TpnRepo Include="dotnet/templating" />
   <TpnRepo Include="dotnet/winforms" />
   <TpnRepo Include="dotnet/wpf" />
```

```
<TpnRepo Include="dotnet/linker" />
  <!--
    Additional repos that
should be included but don't have any third-party-notices files:
     dotnet/efcore
     dotnet/emsdk
     dotnet/extensions
     dotnet/icu
     dotnet/sdk
     dotnet/windowsdesktop
  <TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />
  </ItemGroup>
  < Regenerate Third Party Notices
  TpnFile="$(TpnFile)"
  PotentialTpnPaths="@(PotentialTpnPath)"
  TpnRepos="@(TpnRepo)" />
  <Message Text="$(MSBuildProjectName) -> $(TpnFile)" Importance="High" />
</Target>
</Project>
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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.12, March 27th, 2022

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1.62 grpc-core-api 2.59.0

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1.72 system-diagnostics-diagnosticsource

7.0.2

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Martin Richards

23 February 2007

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```
<Project Sdk="Microsoft.NET.Sdk">

<PropertyGroup>

<OutputType>Exe</OutputType>

<ApplicationManifest>App.manifest</ApplicationManifest>

</PropertyGroup>

<ItemGroup>

<Compile Include="Program.cs" />

<Compile Include="../../ServerContracts/Server.CoClasses.cs" />

<Compile Include="../../ServerContracts/Server.Contracts.cs" />

<Compile Include="../../ServerContracts/Server.Contracts.cs" />

<Compile Include="../../ServerContracts/Server.Guids.cs" />

</ItemGroup>
```

```
<ItemGroup>
 <CMakeProjectReference Include="../../NativeServer/CMakeLists.txt" />
 <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
</ItemGroup>
</Project>
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<Project Sdk="Microsoft.Build.NoTargets">
<UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />
<Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
 <PropertyGroup>
   <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT</TpnFile>
 </PropertyGroup>
  <!--
   Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside
   its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file
   in the dotnet home directory.
  -->
  <ItemGroup>
   <TpnRepo Include="dotnet/runtime" />
   <TpnRepo Include="dotnet/aspnetcore" />
   <TpnRepo Include="dotnet/installer" />
   <TpnRepo Include="dotnet/roslyn-analyzers" />
   <TpnRepo Include="dotnet/templating" />
   <TpnRepo Include="dotnet/winforms" />
   <TpnRepo Include="dotnet/wpf" />
   <TpnRepo Include="dotnet/linker" />
   <!--
    Additional repos that
should be included but don't have any third-party-notices files:
     dotnet/efcore
     dotnet/emsdk
     dotnet/extensions
     dotnet/icu
     dotnet/sdk
     dotnet/windowsdesktop
   -->
```

<TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" />

```
<PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" />
  <PotentialTpnPath Include="THIRD-PARTY-NOTICES" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" />
  <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" />
  </ItemGroup>
  < Regenerate Third Party Notices
  TpnFile="$(TpnFile)"
  PotentialTpnPaths="@(PotentialTpnPath)"
  TpnRepos="@(TpnRepo)"/>
  <Message Text="$(MSBuildProjectName) -> $(TpnFile)" Importance="High" />
</Target>
</Project>
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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.12, March 27th, 2022

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Martin Richards

23 February 2007

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</Project>
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public domain is compatible with GPL.
<Project Sdk="Microsoft.Build.NoTargets">
<UsingTask TaskName="RegenerateThirdPartyNotices" AssemblyFile="$(InstallerTasksAssemblyPath)" />
<Target Name="RegenerateThirdPartyNotices" AfterTargets="Build">
 <PropertyGroup>
   <TpnFile>$(InstallerProjectRoot)pkg\THIRD-PARTY-NOTICES.TXT</TpnFile>
 </PropertyGroup>
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<!--Repo configuration. Upstreams, but also more: the TPN in dotnet/runtime serves many repos outside its graph, because dotnet/runtime produces the installer that ends up placing the single TPN file in the dotnet home directory. <ItemGroup> <TpnRepo Include="dotnet/runtime" /> <TpnRepo Include="dotnet/aspnetcore" /> <TpnRepo Include="dotnet/installer" /> <TpnRepo Include="dotnet/roslyn-analyzers" /> <TpnRepo Include="dotnet/templating" /> <TpnRepo Include="dotnet/winforms" /> <TpnRepo Include="dotnet/wpf" /> <TpnRepo Include="dotnet/linker" /> <!--Additional repos that should be included but don't have any third-party-notices files: dotnet/efcore dotnet/emsdk dotnet/extensions dotnet/icu dotnet/sdk dotnet/windowsdesktop --> <TpnRepo Condition="'%(TpnRepo.Branch)' == "" Branch="main" /> <PotentialTpnPath Include="THIRD-PARTY-NOTICES.TXT" /> <PotentialTpnPath Include="THIRD-PARTY-NOTICES.txt" /> <PotentialTpnPath Include="THIRD-PARTY-NOTICES" /> <PotentialTpnPath Include="THIRDPARTYNOTICES.TXT" /> <PotentialTpnPath Include="THIRDPARTYNOTICES.txt" /> </ItemGroup> < Regenerate Third Party Notices TpnFile="\$(TpnFile)" PotentialTpnPaths="@(PotentialTpnPath)" TpnRepos="@(TpnRepo)" /> <Message Text="\$(MSBuildProjectName) -> \$(TpnFile)" Importance="High" />

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By Sean Eron Anderson seander@cs.stanford.edu

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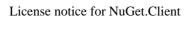
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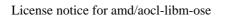
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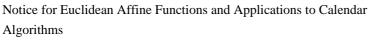
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 table, the facility still operates, and performs whatever part of
 its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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Version 3.1, 31 March 2009

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@page

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