Open Source Used In Connected TAC Diagnostic Bridge 1.9.0

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 */
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1.10 alpine-baselayout 3.1.0 :3

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    # Contributor: Sören Tempel <soeren+alpine@soeren-tempel.net>
    # Maintainer: Natanael Copa <ncopa@alpinelinux.org>
    pkgname=alpine-baselayout
    pkgver=3.1.0
    pkgrel=3
    pkgdesc="Alpine base dir structure and init scripts"
    url="https://git.alpinelinux.org/cgit/aports/tree/main/alpine-baselayout"
    arch="all"
    license="GPL-2.0"
    pkggroups="shadow"
    options="!fhs"
    install="$pkgname.pre-install $pkgname.pre-upgrade $pkgname.post-upgrade $pkgname.post-install"
    source="mkmntdirs.c"
    crontab
    color_prompt

    aliases.conf
    blacklist.conf
    i386.conf
    kms.conf

    group
    inittab
    passwd
    profile
    protocols
    services
    *
    /*
    * Create mount directories in fstab
    *
    */
    * Copyright(c) 2008 Natanael Copa <natanael.copa@gmail.com>
    * May be distributed under the terms of GPL-2
    *
    * usage: mkmntdirs [fstab]
    *
    */
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1.14 apk-tools 2.10.3-r1

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using Microsoft.AspNetCore.Mvc;
namespace TagHelpersWebSite
{
    public class CopyrightViewComponent : ViewComponent
    {
    }
public IViewComponentResult Invoke(string website, int year)
{
    var dict = new Dictionary<string, object>
    {
        ["website"] = website,
        ["year"] = year
    };

    return View(dict);
}

namespace ApplicationWithTagHelpers
{
    public class CopyrightViewComponent : ViewComponent
    {
        public IViewComponentResult Invoke(string website, int year)
        {
            var dict = new Dictionary<string, object>
            {
                ["website"] = website,
                ["year"] = year
            };

            return View(dict);
        }
    }
}

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using System.Collections.Generic;
using Microsoft.AspNetCore.Mvc;

namespace TagHelpersWebSite
{
    public class CopyrightViewComponent : ViewComponent
    {
        public IViewComponentResult Invoke(string website, int year)
        {
            var dict = new Dictionary<string, object>
            {
                ["website"] = website,
                ["year"] = year
            };

            return View(dict);
        }
    }
}

namespace ApplicationWithTagHelpers
{
    public class CopyrightViewComponent : ViewComponent
    {
        public IViewComponentResult Invoke(string website, int year)
        {
            var dict = new Dictionary<string, object>
            {
                ["website"] = website,
                ["year"] = year
            };

            return View(dict);
        }
    }
}
return View(dict);
}
}

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namespace Amazon.OpsWorks.Model
{
    /// <summary>
    /// Describes stack or user permissions.
    /// </summary>
    public partial class Permission
    {
        private bool? _allowSsh;
        private bool? _allowSudo;
        private string _iamUserArn;
        private string _level;
        private string _stackId;

        /// <summary>
        /// Gets and sets the property AllowSsh.
        /// </summary>
        /// <para>
        /// Whether the user can use SSH.
        /// </para>
        /// <para>
        /// </para>
        public bool AllowSsh
        {
            get { return this._allowSsh.GetValueOrDefault(); }
            set { this._allowSsh = value; }
        }

        // Check to see if AllowSsh property is set
        internal bool IsSetAllowSsh()
{ return this._allowSsh.HasValue; }

/// <summary>
/// Gets and sets the property AllowSudo.
/// <para>
/// Whether the user can use <b>sudo</b>. 
/// </para>
/// </summary>
public bool AllowSudo
{
    get { return this._allowSudo.GetValueOrDefault(); } 
    set { this._allowSudo = value; }
}

// Check to see if AllowSudo property is set
internal bool IsSetAllowSudo()
{
    return this._allowSudo.HasValue;
}

/// <summary>
/// Gets and sets the property IamUserArn.
/// <para>
/// The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role.
/// </para>
/// </summary>
public string IamUserArn
{
    get { return this._iamUserArn; } 
    set { this._iamUserArn = value; }
}

// Check to see if IamUserArn property is set
internal bool IsSetIamUserArn()
{
    return this._iamUserArn != null;
}

/// <summary>
/// Gets and sets the property Level.
/// <para>
/// The user's permission level, which must be the following:
/// </para>
/// </summary>
/// <ul>
///   <li><code>deny</code></li>
///   <li><code>show</code></li>
///   <li><code>deploy</code></li>
///   <li><code>manage</code></li>
///   <li><code>iam_only</code></li>
/// </ul>

/// For more information on the permissions associated with these levels, see <a href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User Permissions</a>

/// <summary>
/// Gets and sets the property StackId.
/// </summary>
public string StackId
{
    get { return this._stackId; }
    set { this._stackId = value; }
}

// Check to see if Level property is set
internal bool IsSetLevel()
{
    return this._level != null;
}

/// <summary>
/// Gets and sets the property StackId.
/// </summary>
public string StackId
{
    get { return this._stackId; }
set { this._stackId = value; }

// Check to see if StackId property is set
internal bool IsSetStackId()
{
    return this._stackId != null;
}

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 * permissions and limitations under the License.
 */

/*
 * Do not modify this file. This file is generated from the shield-2016-06-02.normal.json service model.
 */
using System;
using System.Collections.Generic;
using System.Xml.Serialization;
using System.Text;
using System.IO;
using Amazon.Runtime;
using Amazon.Runtime.Internal;

namespace Amazon.Shield.Model
{
    /// <summary>
    /// A contributor to the attack and their contribution.
    /// </summary>
    public partial class Contributor
    {
        private string _name;
        private long? _value;

/// <summary>
/// Gets and sets the property Name.
/// <para>
/// The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code> could be <code>United States</code>.
/// </para>
/// </summary>
public string Name
{
    get { return this._name; }
    set { this._name = value; }
}

// Check to see if Name property is set
internal bool IsSetName()
{
    return this._name != null;
}

/// <summary>
/// Gets and sets the property Value.
/// <para>
/// The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
/// </para>
/// </summary>
public long Value
{
    get { return this._value.GetValueOrDefault(); }
    set { this._value = value; }
}

// Check to see if Value property is set
internal bool IsSetValue()
{
    return this._value.HasValue;
}

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* */
namespace Amazon.WorkMail.Model
{
    /// <summary>
    /// Permission granted to an entity (user, group) to access a certain aspect of another
    /// entity's mailbox.
    /// </summary>
    public partial class Permission
    {
        private string _granteeId;
        private MemberType _granteeType;
        private List<string> _permissionValues = new List<string>();

        /// <summary>
        /// Gets and sets the property GranteeId.
        /// </summary>
        /// <para>
        /// The identifier of the entity (user or group) to which the permissions are granted.
        /// </para>
        /// <para>
        /// </para>
        public string GranteeId
        {
            get { return this._granteeId; }
            set { this._granteeId = value; }
        }

        // Check to see if GranteeId property is set
        internal bool IsSetGranteeId()
        {
            return this._granteeId != null;
        }
    }
}
public MemberType GranteeType
{
    get { return this._granteeType; }
    set { this._granteeType = value; }
}

// Check to see if GranteeType property is set
internal bool IsSetGranteeType()
{
    return this._granteeType != null;
}

public List<string> PermissionValues
{
    get { return this._permissionValues; }
    set { this._permissionValues = value; }
}

// Check to see if PermissionValues property is set
internal bool IsSetPermissionValues()
{
    return this._permissionValues != null && this._permissionValues.Count > 0;
}

/*
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* */
namespace Amazon.ElasticTranscoder.Model
{
    /// <summary>
    /// The <code>Permission</code> structure.
    /// </summary>
    public partial class Permission
    {
        private List<string> _access = new List<string>();
        private string _grantee;
        private string _granteeType;

        /// <summary>
        /// Gets and sets the property Access.
        /// </summary>
        /// <para>
        /// The permission that you want to give to the AWS user that is listed in Grantee. Valid
        /// values include:
        /// </para>
        /// <para>
        /// <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails
        /// that Elastic Transcoder adds to the Amazon S3 bucket.
        /// </para>
        /// </summary>
    }
}
/// <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic
/// Transcoder adds to the Amazon S3 bucket.
/// </para>
/// <li>
/// <para>
/// <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic
/// Transcoder adds to the Amazon S3 bucket.
/// </para>
/// <li>
/// <para>
/// <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
/// for the thumbnails that Elastic Transcoder adds to the Amazon S3 bucket.
/// </para>
/// </li> 
/// </summary>

public List<string> Access
{
    get { return this._access; }
    set { this._access = value; }
}

// Check to see if Access property is set
internal bool IsSetAccess()
{
    return this._access != null && this._access.Count > 0;
}

/// <summary>
/// Gets and sets the property Grantee.
/// </summary>

public string Grantee
{
    get { return this._grantee; }
    set { this._grantee = value; }
}

// Check to see if Grantee property is set
internal bool IsSetGrantee()
{
    return this._grantee != null;
}
/// <summary>
/// Gets and sets the property GranteeType.
/// <para>
/// The type of value that appears in the Grantee object:
/// </para>
/// <ul>
/// <li>
/// <para>
/// <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin
/// access identity for an Amazon CloudFront distribution.
/// </para>
/// </li>
/// <li>
/// <para>
/// <code>Email</code>: The registered email address of an AWS account.
/// </para>
/// </li>
/// <li>
/// <para>
/// <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>, <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
/// </para>
/// </li>
/// </ul>
/// </summary>
public string GranteeType
{
    get { return this._granteeType; }
    set { this._granteeType = value; }
}

// Check to see if GranteeType property is set
internal bool IsSetGranteeType()
{
    return this._granteeType != null;
}

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sdk/src/Services/CognitoSync/Custom/SyncManager subcomponent being licensed under the Amazon Software
License.
namespace Amazon.Shield.Model
{
    /// <summary>
    /// A contributor to the attack and their contribution.
    /// </summary>
    public partial class Contributor
    {
        private string _name;
        private long? _value;

        /// <summary>
        /// Gets and sets the property Name.
        /// </summary>
        /// <para>
        /// The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>.
        /// For example, if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
        /// <code>Name</code> could be <code>United States</code>.
        /// </para>
        public string Name
{
    get { return this._name; }
    set { this._name = value; }
}

// Check to see if Name property is set
internal bool IsSetName()
{
    return this._name != null;
}

/// <summary>
/// Gets and sets the property Value.
/// <para>
/// The contribution of this contributor expressed in <a>Protection</a> units. For example
/// <code>10,000</code>.
/// </para>
/// </summary>
public long Value
{
    get { return this._value.GetValueOrDefault(); }
    set { this._value = value; }
}

// Check to see if Value property is set
internal bool IsSetValue()
{
    return this._value.HasValue;
}

}
namespace Amazon.ElasticTranscoder.Model
{

    /// <summary>
    /// The <code>Permission</code> structure.
    /// </summary>
    public partial class Permission
    {
        private List<string> _access = new List<string>();
        private string _grantee;
        private string _granteeType;

        /// <summary>
        /// Gets and sets the property Access.
        /// </summary>
        /// <para>
        /// The permission that you want to give to the AWS user that is listed in Grantee. Valid
        /// values include:
        /// </para>
        /// <ul>
        /// <li>
        /// <para>
        /// READ: The grantee can read the thumbnails and metadata for thumbnails
        /// that Elastic Transcoder adds to the Amazon S3 bucket.
        /// </para>
        /// </li>
        /// <li>
        /// READ_ACP: The grantee can read the object ACL for thumbnails that Elastic
        /// Transcoder adds to the Amazon S3 bucket.
        /// </li>
        /// <li>
        /// WRITE_ACP: The grantee can write the ACL for the thumbnails that Elastic
        /// Transcoder adds to the Amazon S3 bucket.
        /// </li>
        /// <li>
        /// FULL_CONTROL: The grantee has READ, READ_ACP, and WRITE_ACP permissions
        /// for the thumbnails that Elastic Transcoder adds to the Amazon S3 bucket.
        /// </li>
        /// </ul>
        /// </summary>
        public List<string> Access
        {
            get
            {
                return _access;
            }
            set
            {
                _access = value;
            }
        }

        /// <summary>
        /// Gets and sets the property Grantee.
        /// </summary>
        /// <para>
        /// The AWS user that Elastic Transcoder will grant the permissions to.
        /// </para>
        /// </summary>
        public string Grantee
        {
            get
            {
                return _grantee;
            }
            set
            {
                _grantee = value;
            }
        }

        /// <summary>
        /// Gets and sets the property GranteeType.
        /// </summary>
        /// <para>
        /// The type of the AWS user that Elastic Transcoder will grant the permissions to.
        /// </para>
        /// </summary>
        public string GranteeType
        {
            get
            {
                return _granteeType;
            }
            set
            {
                _granteeType = value;
            }
        }
    }
}
public List<string> Access
{
    get { return this._access; }
    set { this._access = value; }
}

// Check to see if Access property is set
internal bool IsSetAccess()
{
    return this._access != null && this._access.Count > 0;
}

/// <summary>
/// Gets and sets the property Grantee.
/// <para>
/// The AWS user or group that you want to have access to transcoded files and playlists.
/// To identify the user or group, you can specify the canonical user ID for an AWS account,
/// an origin access identity for a CloudFront distribution, the registered email address
/// of an AWS account, or a predefined Amazon S3 group.
/// </para>
/// </summary>
public string Grantee
{
    get { return this._grantee; }
    set { this._grantee = value; }
}

// Check to see if Grantee property is set
internal bool IsSetGrantee()
{
    return this._grantee != null;
}

/// <summary>
/// Gets and sets the property GranteeType.
/// <para>
/// The type of value that appears in the Grantee object:
/// </para>
/// </summary>
/// <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin
/// access identity for an Amazon CloudFront distribution.
/// <important>
/// A canonical user ID is not the same as an AWS account number.
public string GranteeType
{
    get { return this._granteeType; }
    set { this._granteeType = value; }
}

// Check to see if GranteeType property is set
internal bool IsSetGranteeType()
{
    return this._granteeType != null;
}

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 */

/*
 * Do not modify this file. This file is generated from the opsworks-2013-02-18.normal.json service model.
 */
using System;
using System.Collections.Generic;
using System.Xml.Serialization;
using System.Text;
using System.IO;

using Amazon.Runtime;
using Amazon.Runtime.Internal;

namespace Amazon.OpsWorks.Model
{
    /// <summary>
    /// Describes stack or user permissions.
    /// </summary>
    public partial class Permission
    {
        private bool? _allowSsh;
        private bool? _allowSudo;
        private string _iamUserArn;
        private string _level;
        private string _stackId;

        /// <summary>
        /// Gets and sets the property AllowSsh.
        /// <para>
        /// Whether the user can use SSH.
        /// </para>
        /// </summary>
        public bool AllowSsh
        {
            get { return this._allowSsh.GetValueOrDefault(); }
            set { this._allowSsh = value; }
        }

        // Check to see if AllowSsh property is set
        internal bool IsSetAllowSsh()
        {
            return this._allowSsh.HasValue;
        }

        /// <summary>
        /// Gets and sets the property AllowSudo.
        /// <para>
        /// Whether the user can use <b>sudo</b>.
        /// </para>
        /// </summary>
        public bool AllowSudo
        {
            get { return this._allowSudo.GetValueOrDefault(); }
            set { this._allowSudo = value; }
        }
    }
}
// Check to see if AllowSudo property is set
internal bool IsSetAllowSudo()
{
    return this._allowSudo.HasValue;
}

/// <summary>
/// Gets and sets the property IamUserArn.
/// <para>
/// The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role.
/// </para>
/// </summary>
public string IamUserArn
{
    get { return this._iamUserArn; }
    set { this._iamUserArn = value; }
}

// Check to see if IamUserArn property is set
internal bool IsSetIamUserArn()
{
    return this._iamUserArn != null;
}

/// <summary>
/// Gets and sets the property Level.
/// <para>
/// The user's permission level, which must be the following:
/// </para>
/// </summary>
/// <ul>
/// <li>
/// <code>deny</code>
/// </li>
/// <li>
/// <code>show</code>
/// </li>
/// <li>
/// <code>deploy</code>
/// </li>
/// <li>
/// <code>manage</code>
/// </li>
/// </ul>
/// <li><li>
/// <para>
/// <code>iam_only</code>
/// </para>
/// </li> </ul>
/// <para>
/// For more information on the permissions associated with these levels, see <a href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User Permissions</a>
/// </para>
/// </summary>
public string Level
{
    get { return this._level; }
    set { this._level = value; }
}

// Check to see if Level property is set
internal bool IsSetLevel()
{
    return this._level != null;
}

/// <summary>
/// Gets and sets the property StackId.
/// <para>
/// A stack ID.
/// </para>
/// </summary>
public string StackId
{
    get { return this._stackId; }
    set { this._stackId = value; }
}

// Check to see if StackId property is set
internal bool IsSetStackId()
{
    return this._stackId != null;
}

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*/
namespace Amazon.WorkMail.Model
{
    /// <summary>
    /// Permission granted to an entity (user, group) to access a certain aspect of another
    /// entity's mailbox.
    /// </summary>
    public partial class Permission
    {
        private string _granteeId;
        private MemberType _granteeType;
        private List<string> _permissionValues = new List<string>();

        /// <summary>
        /// Gets and sets the property GranteeId.
        /// </summary>
        /// <para>
        /// The identifier of the entity (user or group) to which the permissions are granted.
        /// </para>
        /// <para></para>
        public string GranteeId
        {
            get { return this._granteeId; }
            set { this._granteeId = value; }
        }

        // Check to see if GranteeId property is set
        internal bool IsSetGranteeId();
    }
}
{ return this._granteeId != null; }

/// <summary>
/// Gets and sets the property GranteeType.
/// <para>
/// The type of entity (user, group) of the entity referred to in GranteeId.
/// </para>
/// </summary>
public MemberType GranteeType
{
    get { return this._granteeType; }
    set { this._granteeType = value; }
}

// Check to see if GranteeType property is set
internal bool IsSetGranteeType()
{
    return this._granteeType != null;
}

/// <summary>
/// Gets and sets the property PermissionValues.
/// <para>
/// The permissions granted to the grantee. SEND_AS allows the grantee to send email as
/// the owner of the mailbox (the grantee is not mentioned on these emails). SEND_ON_BEHALF
/// allows the grantee to send email on behalf of the owner of the mailbox (the grantee
/// is not mentioned as the physical sender of these emails). FULL_ACCESS allows the grantee
/// full access to the mailbox, irrespective of other folder-level permissions set on
/// the mailbox.
/// </para>
/// </summary>
public List<string> PermissionValues
{
    get { return this._permissionValues; }
    set { this._permissionValues = value; }
}

// Check to see if PermissionValues property is set
internal bool IsSetPermissionValues()
{
    return this._permissionValues != null && this._permissionValues.Count > 0;
}
}
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1.20 busybox 1.29.3 :10

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1.23 clipboard-js 0.3.6
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1.24 color-support 1.1.3
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1.26 CommandLineParser 2.3.0

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Contributions Guidelines for Command Line Parser Library
Giacomo Stelluti Scala (gsscoder@gmail.com)
Last Mod.: 2013-04-26

Tools:
- MS FxCop (VSSTUDIO CodeAnalysis)
- MS StyleCop
- JetBrains R#

Premise
These are suggestions don't be stuck to send pull requests just because you think that something written here is not perfectly followed.
It is possible (or better is almost certain) that also the writer of this document violates some rule... but he tries to adhere!
The project tree includes also two ReSharper files that I try to keep in sync with StyleCop.

Code Formatting
- No tabs (\t), use for 4 spaces instead.
- Don't overuse spaces:
  - void Method(param1, param2, param3) -> OK
  - void Method ( param1, param2, param3 ) -> TOO SPACES!
- Align with one indentation:
  - if (lonlongstuff1 == longlongstuff2 || (longlongstuff3 > 0 &&
      longlongstuff4 < 0)) -> OK
  - if (lonlongstuff1 == longlongstuff2 || (longlongstuff3 > 0 &&
      longlongstuff4 < 0)) -> TOO INDENTATION!

Coding Style
- Kernel of 2.0+ has been rewritten following Functional Programming principles (http://en.wikipedia.org/wiki/Functional_programming).
- A minor use of side-effects could be allowed if isolated to "out-side" world (e.g.: see Tokenizer type).

Unit Tests
Personally 99% of times I write the unit tests before the desired modification (TDD). Anyway please submit changes along with at least one unit test (this is also useful to let me understand what the change impacts).

PR etiquette
A not discussed PULL REQUEST could lead only to extra work for project coordinator;
PR are well accepted, anyway they should be result of new or open discussions.

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using System;
using System.Dynamic;
using System.Globalization;
using System.Reflection;
using System.Text;
using CommandLine.Infrastructure;
using CSharpx;

namespace CommandLine.Text
{
    /// <summary>
    /// Models the copyright part of an help text.
    /// You can assign it where you assign any <see cref="System.String"/> instance.
    /// </summary>
    public class CopyrightInfo
    {
        private const string DefaultCopyrightWord = "Copyright";
        private const string SymbolLower = "(c)";
        private const string SymbolUpper = "(C)";
        private readonly AssemblyCopyrightAttribute attribute;
        }
private readonly bool isSymbolUpper;
private readonly int[] copyrightYears;
private readonly string author;
private readonly int builderSize;

/// <summary>
/// An empty object used for initialization.
/// </summary>
public static CopyrightInfo Empty
{
    get
    {
        return new CopyrightInfo("author", 1);
    }
}

/// <summary>
/// Initializes a new instance of the <see cref="CommandLine.Text.CopyrightInfo"/> class
/// specifying author and year.
/// </summary>
/// <param name="author">The company or person holding the copyright.</param>
/// <param name="year">The year of coverage of copyright.</param>
/// <exception cref="System.ArgumentException">Thrown when parameter <paramref name="author"/> is null or empty string.</exception>
public CopyrightInfo(string author, int year)
    : this(true, author, new[] { year })
{
}

/// <summary>
/// Initializes a new instance of the <see cref="CommandLine.Text.CopyrightInfo"/> class
/// specifying author and copyrightYears.
/// </summary>
/// <param name="author">The company or person holding the copyright.</param>
/// <param name="years">The copyrightYears of coverage of copyright.</param>
/// <exception cref="System.ArgumentException">Thrown when parameter <paramref name="author"/> is null or empty string.</exception>
/// <exception cref="System.ArgumentOutOfRangeException">Thrown when parameter <paramref name="years"/> is not supplied.</exception>
public CopyrightInfo(string author, params int[] years)
    : this(true, author, years)
{
}

/// <summary>
/// Initializes a new instance of the <see cref="CommandLine.Text.CopyrightInfo"/> class
/// specifying symbol case, author and copyrightYears.
/// </summary>
/// <param name="isSymbolUpper">The case of the copyright symbol.</param>
/// <param name="author">The company or person holding the copyright.</param>
/// <param name="copyrightYears">The copyrightYears of coverage of copyright.</param>
/// <exception cref="System.ArgumentException">Thrown when parameter <paramref name="author"/> is null or empty string.</exception>
/// <exception cref="System.ArgumentOutOfRangeException">Thrown when parameter <paramref name="copyrightYears"/> is not supplied.</exception>
public CopyrightInfo(bool isSymbolUpper, string author, params int[] copyrightYears)
{
    if (string.IsNullOrWhiteSpace(author)) throw new ArgumentException("author");
    if (copyrightYears.Length == 0) throw new ArgumentOutOfRangeException("copyrightYears");

    const int ExtraLength = 10;
    this.isSymbolUpper = isSymbolUpper;
    this.author = author;
    this.copyrightYears = copyrightYears;
    builderSize = 12 + author.Length + (4 * copyrightYears.Length) + ExtraLength;
}

/// <summary>
/// Initializes a new instance of the <see cref="CommandLine.Text.CopyrightInfo"/> class.
/// </summary>
protected CopyrightInfo()
{
}

/// <summary>
/// Initializes a new instance of the <see cref="CommandLine.Text.CopyrightInfo"/> class
/// with an assembly attribute, this overrides all formatting.
/// </summary>
/// <param name="attribute">The attribute which text to use.</param>
private CopyrightInfo(AssemblyCopyrightAttribute attribute)
{
    this.attribute = attribute;
}

/// <summary>
/// Gets the default copyright information.
/// </summary>
/// <returns>The attribute which text to use.</returns>
public static CopyrightInfo Default
{
    get
    {
        // if an exact copyright string has been specified, it takes precedence
        var copyrightAttr = ReflectionHelper.GetAttribute<AssemblyCopyrightAttribute>();
        // otherwise it uses <see cref="AssemblyCompanyAttribute"/> as copyright holder with the current year.
        // If neither exists it throws an <see cref="InvalidOperationException"/>.
    }
}
switch (copyrightAttr.Tag)
{
    case MaybeType.Just:
        return new CopyrightInfo(copyrightAttr.FromJustOrFail());
    default:
        // if no copyright attribute exist but a company attribute does, use it as copyright holder
        return new CopyrightInfo(ReflectionHelper.GetAttribute<AssemblyCompanyAttribute>().FromJustOrFail(new InvalidOperationException("CopyrightInfo::Default requires that you define AssemblyCopyrightAttribute or AssemblyCompanyAttribute.").Company, DateTime.Now.Year));
}

/// <summary>
/// Gets a different copyright word when overridden in a derived class.
/// </summary>
protected virtual string CopyrightWord
{
    get { return DefaultCopyrightWord; }
}

/// <summary>
/// Converts the copyright instance to a <see cref="System.String"/.
/// </summary>
/// <param name="info">This <see cref="CommandLine.Text.CopyrightInfo"/> instance.</param>
/// <returns>The <see cref="System.String"/> that contains the copyright.</returns>
public static implicit operator string(CopyrightInfo info)
{
    return info.ToString();
}

/// <summary>
/// Returns the copyright as a <see cref="System.String"/.
/// </summary>
/// <returns>The <see cref="System.String"/> that contains the copyright.</returns>
public override string ToString()
{
    if (attribute != null)
    {
        return attribute.Copyright;
    }

    return new StringBuilder(builderSize)
        .Append(CopyrightWord)
        .Append(' ');
/// <summary>
/// When overridden in a derived class, allows to specify a new algorithm to render copyright copyrightYears
/// as a <see cref="System.String"/> instance.
/// </summary>
/// <param name="years">A <see cref="System.Int32"/> array of copyrightYears.</param>
/// <returns>A <see cref="System.String"/> instance with copyright copyrightYears.</returns>
protected virtual string FormatYears(int[] years)
{
    if (years.Length == 1)
    {
        return years[0].ToString(CultureInfo.InvariantCulture);
    }
    var yearsPart = new StringBuilder(years.Length * 6);
    for (var i = 0; i < years.Length; i++)
    {
        yearsPart.Append(years[i].ToString(CultureInfo.InvariantCulture));
        var next = i + 1;
        if (next < years.Length)
        {
            yearsPart.Append(years[next] - years[i] > 1 ? " - ", ";
        }
    }
    return yearsPart.ToString();
}

1.27 core-js 2.6.5
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1.28 coreclr 2.2.7

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Martin Richards
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The punycode implementation is based on the sample code in RFC 3492

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Martin Richards  
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version 1.2.11, January 15th, 2017

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using Microsoft.Win32;
using System;
using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// Provides the <see langword="abstract"/> base class for all licenses. A license is
    /// granted to a specific instance of a component.</summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        /// When overridden in a derived class, gets the license key granted to this component.</summary>
        public abstract string LicenseKey { get; }
/// <summary>
/// When overridden in a derived class, releases the license.</summary>
///
public abstract void Dispose();
}
}

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using System;
using System.Diagnostics;
using System.Runtime.InteropServices;
using System.Text;

using size_t = System.IntPtr;

// This implements shim for sysctl calls.
// They are available on BSD systems - FreeBSD, OSX and others.
// Linux has sysctl() but it is deprecated as well as it is missing sysctbyname()

internal static partial class Interop
{
    internal static partial class Sys
    {
        [DllImport(Libraries.SystemNative, EntryPoint = "SystemNative_Sysctl", SetLastError = true)]
        private extern static unsafe int Sysctl(int* name, int namelen, void* value, size_t* len);

        // This is 'raw' sysctl call, only wrapped to allocate memory if needed
        // caller always needs to free returned buffer using Marshal.FreeHGlobal()

        public static unsafe int Sysctl(Span<int> name, ref byte* value, ref int len)
        {
            fixed (int * ptr = &MemoryMarshal.GetReference(name))
            {
                return Sysctl(ptr, name.Length, ref value, ref len);
            }
        }

        public static unsafe int Sysctl(int* name, int name_len, ref byte* value, ref int len)
        {
            IntPtr bytesLength = (IntPtr)len;
            byte * pBuffer = value;
            value = null;
            int ret=-1;

            if (value == null && len == 0)
// do one try to see how much data we need
ret = Sysctl(name, name_len, pBuffer, &bytesLength);
if (ret != 0)
{
    throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
}
pBuffer = (byte*)Marshal.AllocHGlobal((int)bytesLength);
}
ret = Sysctl(name, name_len, pBuffer, &bytesLength);
if (ret != 0)
{
    if (value == null & len == 0)
    {
        // This is case we allocated memory for caller
        Marshal.FreeHGlobal((IntPtr)pBuffer);
    }
    throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
}

value = pBuffer;
len = (int)bytesLength;

return ret;
}
Process[] procs = GetProcesses(machineName);
var list = new List<Process>();

for (int i = 0; i < procs.Length; i++)
{
    if (string.Equals(processName, procs[i].ProcessName, StringComparison.OrdinalIgnoreCase))
    {
        list.Add(procs[i]);
    }
    else
    {
        procs[i].Dispose();
    }
}

return list.ToArray();

/// <summary>
/// Gets or sets which processors the threads in this process can be scheduled to run on.
/// </summary>
private unsafe IntPtr ProcessorAffinityCore
{
    get
    {
        throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
    }
    set
    {
        throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
    }
}

/// <summary>
/// Make sure we have obtained the min and max working set limits.
/// </summary>
private void GetWorkingSetLimits(out IntPtr minWorkingSet, out IntPtr maxWorkingSet)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // Minimum working set (or resident set, as it is called on *nix) doesn't exist so set to 0
    minWorkingSet = IntPtr.Zero;

    // Get the max working set size
Interop.Sys.RLimit limit;
if (Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limit) == 0)
{
    maxWorkingSet = limit.CurrentLimit == Interop.Sys.RLIM_INFINITY ?
        new IntPtr(Int64.MaxValue) :
        new IntPtr(Convert.ToInt64(limit.CurrentLimit));
} else {
    // The contract specifies that this throws Win32Exception when it failes to retrieve the info
    throw new Win32Exception();
}

/// <summary>Sets one or both of the minimum and maximum working set limits.</summary>
/// <param name="newMin">The new minimum working set limit, or null not to change it.</param>
/// <param name="newMax">The new maximum working set limit, or null not to change it.</param>
/// <param name="resultingMin">The resulting minimum working set limit after any changes applied.</param>
/// <param name="resultingMax">The resulting maximum working set limit after any changes applied.</param>
private void SetWorkingSetLimitsCore(IntPtr? newMin, IntPtr? newMax, out IntPtr resultingMin, out IntPtr resultingMax)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // There isn't a way to set the minimum working set, so throw an exception here
    if (newMin.HasValue)
        throw new PlatformNotSupportedException(SR.MinimumWorkingSetNotSupported);

    // The minimum resident set will always be 0, default the resulting max to 0 until we set it (to make the
    compiler happy)
    resultingMin = IntPtr.Zero;
    resultingMax = IntPtr.Zero;

    // The default hard upper limit is absurdly high (over 9000PB) so just change the soft limit...especially since
    // if you aren't root and move the upper limit down, you need root to move it back up
    if (newMax.HasValue)
    {
        Interop.Sys.RLimit limits = new Interop.Sys.RLimit() { CurrentLimit = (ulong)newMax.Value.ToInt64() }
        int result = Interop.Sys.SetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, ref limits);
        if (result != 0)
            throw new System.ComponentModel.Win32Exception(SR.RUsageFailure);
using System.Collections.Generic;
using System.IO;
using System.Runtime.InteropServices;
namespace System.Diagnostics
{
    internal static partial class ProcessManager
    {
        /// <summary>Gets process infos for each process on the specified machine.</summary>
        /// <param name="machineName">The target machine.</param>
        /// <returns>An array of process infos, one per found process.</returns>
        public static ProcessInfo[] GetProcessInfos(string machineName)
        {
            ThrowIfRemoteMachine(machineName);
            int[] procIds = GetProcessIds(machineName);

            // Iterate through all process IDs to load information about each process
            var processes = new List<ProcessInfo>(procIds.Length);
            foreach (int pid in procIds)
            {
                ProcessInfo pi = CreateProcessInfo(pid);
                if (pi != null)
                {
                    processes.Add(pi);
                }
            }

            return processes.ToArray();
        }

        /// <summary>Gets an array of module infos for the specified process.</summary>
        /// <param name="processId">The ID of the process whose modules should be enumerated.</param>
        /// <returns>The array of modules.</returns>
        internal static ProcessModuleCollection GetModules(int processId)
        {

        }
    }
}
// We don't have a good way of getting all of the modules of the particular process,
// but we can at least get the path to the executable file for the process, and
// other than for debugging tools, that's the main reason consumers of Modules care about it,
// and why MainModule exists.
try
{
    string exePath = GetProcPath(processId);
    if (!string.IsNullOrEmpty(exePath))
    {
        return new ProcessModuleCollection(1)
        {
            new ProcessModule()
            {
                FileName = exePath,
                ModuleName = Path.GetFileName(exePath)
            }
        };
    }
}
catch { } // eat all errors

return new ProcessModuleCollection(0);

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<?xml version="1.0" encoding="utf-8"?>
<!--
Description:  creativeCommons:license element
Expect:       !Error

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", "XML version by Jon Bosak, 1996-1997.")
    new XElement("p", "This work may be freely copied and distributed worldwide.")

<!--
using Microsoft.Win32;
using System;
using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// Provides the <see langword='abstract'/> base class for all licenses. A license is
    /// granted to a specific instance of a component.</summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        /// When overridden in a derived class, gets the license key granted to this component.</summary>
        public abstract string LicenseKey { get; }

        /// <summary>
        /// When overridden in a derived class, releases the license.</summary>
        public abstract void Dispose();
    }
}

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---------------------------------------------
using System;
using System.Diagnostics;
using System.Runtime.InteropServices;
using System.Text;
using size_t = System.IntPtr;

// This implements shim for sysctl calls.
// They are available on BSD systems - FreeBSD, OSX and others.
// Linux has sysctl() but it is deprecated as well as it is missing sysctlbyname()

internal static partial class Interop
{
    internal static partial class Sys
    {

        [DllImport(Libraries.SystemNative, EntryPoint = "SystemNative_Sysctl", SetLastError = true)]
        private extern static unsafe int Sysctl(int* name, int namelen, void* value, size_t* len);

        // This is 'raw' sysctl call, only wrapped to allocate memory if needed
        // caller always needs to free returned buffer using Marshal.FreeHGlobal()

        public static unsafe int Sysctl(Span<int> name, ref byte* value, ref int len)
public static unsafe int Sysctl(int* name, int name_len, ref byte* value, ref int len)
{
    IntPtr bytesLength = (IntPtr)len;
    byte * pBuffer = value;
    value = null;
    int ret=-1;

    if (value == null && len == 0)
    {
        // do one try to see how much data we need
        ret = Sysctl(name, name_len, pBuffer, &bytesLength);
        if (ret != 0)
        {
            throw new InvalidOperationException(string.Format("sysctl returned {0}" , ret));
        }
        pBuffer = (byte*)Marshal.AllocHGlobal((int)bytesLength);
    }
    ret = Sysctl(name, name_len, pBuffer, &bytesLength);
    if (ret != 0)
    {
        if (value == null && len == 0)
        {
            // This is case we allocated memory for caller
            Marshal.FreeHGlobal((IntPtr)pBuffer);
        }
        throw new InvalidOperationException(string.Format("sysctl returned {0}" , ret));
    }

    value = pBuffer;
    len = (int)bytesLength;

    return ret;
}

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using System.Collections.Generic;
using System.IO;
using System.Runtime.InteropServices;

namespace System.Diagnostics
{
    internal static partial class ProcessManager
    {
        /// <summary>Gets process infos for each process on the specified machine.</summary>
        /// <param name="machineName">The target machine.</param>
        /// <returns>An array of process infos, one per found process.</returns>
        public static ProcessInfo[] GetProcessInfos(string machineName)
        {
            ThrowIfRemoteMachine(machineName);
            int[] procIds = GetProcessIds(machineName);

            // Iterate through all process IDs to load information about each process
            var processes = new List<ProcessInfo>(procIds.Length);

            // Iterate through all process IDs to load information about each process
            var processes = new List<ProcessInfo>(procIds.Length);
        }
    }
}
foreach (int pid in procIds)
{
    ProcessInfo pi = CreateProcessInfo(pid);
    if (pi != null)
    {
        processes.Add(pi);
    }
}

return processes.ToArray();

/// <summary>Gets an array of module infos for the specified process.</summary>
/// <param name="processId">The ID of the process whose modules should be enumerated.</param>
/// <returns>The array of modules.</returns>
internal static ProcessModuleCollection GetModules(int processId)
{
    // We don't have a good way of getting all of the modules of the particular process,
    // but we can at least get the path to the executable file for the process, and
    // other than for debugging tools, that's the main reason consumers of Modules care about it,
    // and why MainModule exists.
    try
    {
        string exePath = GetProcPath(processId);
        if (!string.IsNullOrEmpty(exePath))
        {
            return new ProcessModuleCollection(1)
            {
                new ProcessModule()
                {
                    FileName = exePath,
                    ModuleName = Path.GetFileName(exePath)
                }
            };
        }
    }
    catch { } // eat all errors

    return new ProcessModuleCollection(0);
}

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using System.Collections.Generic;
using System.ComponentModel;
namespace System.Diagnostics
{
    public partial class Process
    {
        /// <summary>
        /// Creates an array of <see cref="Process"/> components that are associated with process resources on a
        /// remote computer. These process resources share the specified process name.
        /// </summary>
        public static Process[] GetProcessesByName(string processName, string machineName)
        {
            if (processName == null)
            {
                processName = string.Empty;
            }

            Process[] procs = GetProcesses(machineName);
            var list = new List<Process>();

            for (int i = 0; i < procs.Length; i++)
            {
                if (string.Equals(processName, procs[i].ProcessName, StringComparison.OrdinalIgnoreCase))
                {
                    list.Add(procs[i]);
                }
                else
                {
                    procs[i].Dispose();
                }
            }

            return list.ToArray();
        }

        /// <summary>
        /// Gets or sets which processors the threads in this process can be scheduled to run on.
        /// </summary>
        private unsafe IntPtr ProcessorAffinityCore
        {
            get
            {
                throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
            }

            set
            {
                throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
            }
        }
    }
}
private void GetWorkingSetLimits(out IntPtr minWorkingSet, out IntPtr maxWorkingSet)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // Minimum working set (or resident set, as it is called on *nix) doesn't exist so set to 0
    minWorkingSet = IntPtr.Zero;

    // Get the max working set size
    Interop.Sys.RLimit limit;
    if (Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limit) == 0)
    {
        maxWorkingSet = limit.CurrentLimit == Interop.Sys.RLIM_INFINITY ?
            new IntPtr(Int64.MaxValue) :
            new IntPtr(Convert.ToInt64(limit.CurrentLimit));
    } else
    {
        // The contract specifies that this throws Win32Exception when it failes to retrieve the info
        throw new Win32Exception();
    }
}

private void SetWorkingSetLimitsCore(IntPtr? newMin, IntPtr? newMax, out IntPtr resultingMin, out IntPtr resultingMax)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // There isn't a way to set the minimum working set, so throw an exception here
    if (newMin.HasValue)
    {
        throw new PlatformNotSupportedException(SR.MinimumWorkingSetNotSupported);
    }
}
// The minimum resident set will always be 0, default the resulting max to 0 until we set it (to make the
// compiler happy)
resultingMin = IntPtr.Zero;
resultingMax = IntPtr.Zero;

// The default hard upper limit is absurdly high (over 9000PB) so just change the soft limit...especially since
// if you aren't root and move the upper limit down, you need root to move it back up
if (newMax.HasValue)
{
    Interop.Sys.RLimit limits = new Interop.Sys.RLimit() { CurrentLimit = (ulong)newMax.Value.ToInt64()};
    int result = Interop.Sys.SetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, ref limits);
    if (result != 0)
    {
        throw new System.ComponentModel.Win32Exception(SR.RUsageFailure);
    }
    // Try to grab the actual value, in case the OS decides to fudge the numbers
    result = Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limits);
    if (result == 0) resultingMax = new IntPtr((long)limits.CurrentLimit);
}

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<!--
Description: a source with two atom:contributor elements produces no error
Expect: !Error
-->  
<feed xmlns="http://www.w3.org/2005/Atom">
   <title>Example Feed</title>
</feed>
Open Source Used In Connected TAC Diagnostic Bridge 1.9.0

224
<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Example Feed</title>
  <link href="http://contoso.com/"/>
  <updated>2003-12-13T18:30:02Z</updated>
  <author>
    <name>Author Name</name>
  </author>
  <id>urn:uuid:60a76c80-d399-11d9-b93C-0003939e0af6</id>
  <entry>
    <title>Atom-Powered Robots Run Amok</title>
    <link href="http://contoso.com/2003/12/13/atom03"/>
    <id>urn:uuid:1225c695-cfb8-4ebb-aaaa-80da344efa6a</id>
    <updated>2003-12-13T18:30:02Z</updated>
    <summary>Some text.</summary>
    <contributor>
      <name>John Smith</name>
    </contributor>
    <contributor>
      <name>input name</name>
    </contributor>
  </entry>
</feed>
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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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1.30 Cronos 0.7.0

1.31 DasMulli.Win32.ServiceUtils 1.2.0
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1.33 fancy-log 1.3.3

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1.38 Hangfire.MemoryStorage 1.6.1

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1.39 jwt-decode 2.2.0

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1.40 keyutils-libs 1.6-r0

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1.41 krb5-conf 1.0-r1

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```
cmd/krb5/iprop/iprop.x
```
```
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/etc/kdb5_err.c
```
```
library/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
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```
lib/libgss/g_dsp_status.c
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```
lib/libgss/g_dsp_status.c
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lib/libgss/g_dup_name.c
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lib/libgss/g_dup_name.c
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lib/libgss/g_exp_sec_context.c
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lib/libgss/g_export_name.c
```
```
lib/libgss/g_export_name.c
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```
lib/libgss/g_glue.c
```
```
lib/libgss/g_imp_name.c
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lib/libgss/g_imp_sec_context.c
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lib/libgss/g_init_sec_context.c
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lib/libgss/g_initialize.c
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# This program is intended to be used by "make check-copyright". It
# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

    # Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != '' and line != '-:
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ ]*) (.*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'\s*,', '', line)
        line = line.strip()
        if not in_comment and '/\*-' in line:
            (line, sep, comment_part) = line.partition('/\*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
        in_comment = True
        elif in_comment and '*/' not in line:
            warn(fname, ln, 'License after non-license comments')
        else:
            warn(fname, ln, 'License after first line of comment')
    return is_license
comment.append(line.lstrip('*').lstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    elif line.strip() != '':
        code_seen = True

ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */

/*
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- lib/libgss/g_process_context.c
- lib/libgss/g_rel_buffer.c
- lib/libgss/g_rel_cred.c
- lib/libgss/g_rel_name.c
- lib/libgss/g_rel_oid_set.c
- lib/libgss/g_seal.c
- lib/libgss/g_sign.c
- lib/libgss/g_store_cred.c
- lib/libgss/g_unseal.c
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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
slave/kpropd_rpc.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `src/lib/gssapi`, including the following files:

.. parsed-literal::

    lib/gssapi/generic/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
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    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
    lib/gssapi/mechglue/gssd_pname_to_uid.c
    lib/gssapi/mechglue/mglueP.h
    lib/gssapi/mechglue/oid_ops.c
    lib/gssapi/spnego/gssapiP_spnego.h
    lib/gssapi/spnego/spnego_mech.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
slave/kpropd_rpc.c
slave/kproplog.c

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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
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1.43 libc-utils 0.7.1 :r0
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first obtaining such license, approval or letter.
fix issues with fortify-headers and the way openssh handles the needed
BSD compatible realpath(3).

unconditionally use the provided realpath() as otherwise cross-builds
would try to use musl realpath() which is posix compliant and not
working to openssh expectations.

diff -ru openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h openssh-7.2p2/openbsd-compat/openbsd-compat.h
--- openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h2016-03-09 20:04:48.000000000 +0200
@@ -68,17 +68,7 @@
    void *reallocarray(void *, size_t, size_t);
 #endif

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
-* glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
-* compat version.
-* */
-# ifdef BROKEN_REALPATH
-# define realpath(x, y) _ssh_compat_realpath(x, y)
-# endif
-
-char *realpath(const char *path, char *resolved);
-#endif

+char *ssh_realpath(const char *path, char *resolved);

#endif

#ifndef HAVE_RRESVPORT_AF
int rresvport_af(int *alport, sa_family_t af);

diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c2016-07-18 13:33:45.420721690 +0300
@@ -31,7 +31,7 @@
 #include "includes.h"

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
+##if 1

#include <sys/types.h>
#include <sys/param.h>
@@ -58,7 +58,7 @@
    * in which case the path which caused trouble is left in (resolved).
     */
-char *
-realpath(const char *path, char *resolved)
+ssh_realpath(const char *path, char *resolved)
struct stat sb;
char *p, *q, *s;
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ -1162,7 +1162,7 @@
       } }
   debug3("request %u: realpath", id);
   verbose("realpath "path");
-   if (realpath(path, resolvedname) == NULL) {
+   if (ssh_realpath(path, resolvedname) == NULL) {
       send_status(id, errno_to_portable(errno));
   } else {
       Stat s;
--- a/expected/plluatest.out
+++ b/expected/plluatest.out
@@ -232,8 +232,8 @@
1 | name  | data
(1 row)
+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
-NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "tree_pkey" for table "tree"
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
   local p = server.prepare("insert into " .. t .. " values($1, $2, $3)",
       {["int4", "int4", "int4"]})
--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
SELECT * FROM get_rows('name');

+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=" "
depends="$cpandepends"
makedepends="perl-dev \$cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$sourcedir/$_pkgreal-$pkgver"

prepare() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"

---

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mini_sendmail - accept email on behalf of real sendmail

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_builddir="$_builddir"

prepare() {
cd "$_builddir"
export CFLAGS="perl -MConfig -E 'say $Config{ccflags}’"
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
cd "$_builddir"
export CFLAGS="perl -MConfig -E 'say $Config{ccflags}’"
made & & make test || return 1
package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" ! -name perllocal.pod -o ! -name .packlist ! -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2855e06  BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eae5089e82081b7cf51d62638750e443751b39415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276ccee2bd4a429fa430  BSD-Resource-1.2909.tar.gz"
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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.1
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
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install=""
subpackages=""
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"

__builddir="$srcdir"/$_pkgname-$pkgver
prepare() {
    local i
    cd "$__builddir"
    for i in $source; do
case $i in
*.patch) msg $i; patch -p1 -i "$srcdir"/$i || return 1;;
esac
done
}

build() {
    cd "$__builddir"
    python2 setup.py build || return 1
}

package() {
    cd "$__builddir"
python2 setup.py install --prefix=/usr --root="$pkgdir" || return 1

md5sums="8fab17d27f0b417c44e00bebf579d71b  flake8-copyright-0.1.tar.gz"
sha256sums="34ca5411ef3f677b7ba8d7b063493c9ed5af9985b2da77807be94bf9e65823b  flake8-copyright-0.1.tar.gz"
sha512sums="c1ef4b8ada4d422b629ec481074256d33c4e8e8f10c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93e0f237971a356abcf242e9f556b979b75e3a8bfe46  flake8-copyright-0.1.tar.gz"

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
build() {
    cd "$_builddir"
    ./configure 
    --build=$CBUILD 
    --host=$CHOST 
    --prefix=/usr 
    || return 1
    make || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"
1.44 libcom_err 1.44.5-r0

1.44.1 Available under license:

    #
    # 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)

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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>,
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It is part of the main e2fsprogs distribution, which can be found at:

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It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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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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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

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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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<signature of Ty Coon>, 1 April 1990
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.
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; Id -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(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)

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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
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### 1.45 libcrypto 1.1.1b-r1

### 1.46 libgcc 8.3.0-r0

### 1.47 libintl 0.19.8.1-r4

1.47.1 Available under license:

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ing Microsoft.Win32;
using System;
using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// Provides the <see langword='abstract'/> base class for all licenses. A license is
    /// granted to a specific instance of a component.</summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        /// When overridden in a derived class, gets the license key granted to this component.</summary>
        public abstract string LicenseKey { get; }

        /// <summary>
        /// When overridden in a derived class, releases the license.</summary>
        public abstract void Dispose();
    }
}

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using System;
using System.Diagnostics;
using System.Runtime.InteropServices;
using System.Text;
using size_t = System.IntPtr;

// This implements shim for sysctl calls.
// They are available on BSD systems - FreeBSD, OSX and others.
// Linux has sysctl() but it is deprecated as well as it is missing sysctlsbname()

internal static partial class Interop
{
    internal static partial class Sys
    {

        [DllImport(Libraries.SystemNative, EntryPoint = "SystemNative_Sysctl", SetLastError = true)]
        private extern static unsafe int Sysctl(int* name, int namelen, void* value, size_t* len);

        // This is 'raw' sysctl call, only wrapped to allocate memory if needed
        // caller always needs to free returned buffer using Marshal.FreeHGlobal()

        public static unsafe int Sysctl(Span<int> name, ref byte* value, ref int len)
        {
        }
    }
}
fixed (int * ptr = &MemoryMarshal.GetReference(name))
{
    return Sysctl(ptr, name.Length, ref value, ref len);
}

public static unsafe int Sysctl(int* name, int name_len, ref byte* value, ref int len)
{
    IntPtr bytesLength = (IntPtr)len;
    byte * pBuffer = value;
    value = null;
    int ret=-1;

    if (value == null && len == 0)
    {
        // do one try to see how much data we need
        ret = Sysctl(name, name_len, pBuffer, &bytesLength);
        if (ret != 0)
        {
            throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
        }
        pBuffer = (byte*)Marshal.AllocHGlobal((int)bytesLength);
    }
    ret = Sysctl(name, name_len, pBuffer, &bytesLength);
    if (ret != 0)
    {
        if (value == null && len == 0)
        {
            // This is case we allocated memory for caller
            Marshal.FreeHGlobal((IntPtr)pBuffer);
        }
        throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
    }

    value = pBuffer;
    len = (int)bytesLength;

    return ret;
}

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using System.Collections.Generic;
using System.IO;
using System.Runtime.InteropServices;

namespace System.Diagnostics
{
    internal static partial class ProcessManager
    {
        /// <summary>Gets process infos for each process on the specified machine.</summary>
        /// <param name="machineName">The target machine.</param>
        /// <returns>An array of process infos, one per found process.</returns>
        public static ProcessInfo[] GetProcessInfos(string machineName)
        {
            ThrowIfRemoteMachine(machineName);
            int[] procIds = GetProcessIds(machineName);

            // Iterate through all process IDs to load information about each process
            var processes = new List<ProcessInfo>(procIds.Length);
            foreach (int pid in procIds)
{  
  ProcessInfo pi = CreateProcessInfo(pid);
  if (pi != null)
  {
    processes.Add(pi);
  }
}

return processes.ToArray();

/// <summary>Gets an array of module infos for the specified process.</summary>
/// <param name="processId">The ID of the process whose modules should be enumerated.</param>
/// <returns>The array of modules.</returns>
internal static ProcessModuleCollection GetModules(int processId)
{
  // We don't have a good way of getting all of the modules of the particular process,
  // but we can at least get the path to the executable file for the process, and
  // other than for debugging tools, that's the main reason consumers of Modules care about it,
  // and why MainModule exists.
  try
  {
    string exePath = GetProcPath(processId);
    if (!string.IsNullOrEmpty(exePath))
    {
      return new ProcessModuleCollection(1)
      {
        new ProcessModule()
        {
          FileName = exePath,
          ModuleName = Path.GetFileName(exePath)
        }
      };
    }
  }
  catch { } // eat all errors

  return new ProcessModuleCollection(0);
}

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using System.Collections.Generic;
using System.ComponentModel;
namespace System.Diagnostics
{
    public partial class Process
    {
        /// <summary>
        /// Creates an array of <see cref="Process"/> components that are associated with process resources on a
        /// remote computer. These process resources share the specified process name.
        /// </summary>
        public static Process[] GetProcessesByName(string processName, string machineName)
        {
            if (processName == null)
            {
                processName = string.Empty;
            }

            Process[] procs = GetProcesses(machineName);
            var list = new List<Process>();

            for (int i = 0; i < procs.Length; i++)
            {
                if (string.Equals(processName, procs[i].ProcessName, StringComparison.OrdinalIgnoreCase))
                {
                    list.Add(procs[i]);
                }
                else
                {
                    procs[i].Dispose();
                }
            }

            return list.ToArray();
        }

        /// <summary>
        /// Gets or sets which processors the threads in this process can be scheduled to run on.
        /// </summary>
        private unsafe IntPtr ProcessorAffinityCore
        {
            get
            {
                throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
            }
            set
            {
                throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
            }
        }
    }
}
/// <summary>
/// Make sure we have obtained the min and max working set limits.
/// </summary>
private void GetWorkingSetLimits(out IntPtr minWorkingSet, out IntPtr maxWorkingSet)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // Minimum working set (or resident set, as it is called on *nix) doesn't exist so set to 0
    minWorkingSet = IntPtr.Zero;

    // Get the max working set size
    Interop.Sys.RLimit limit;
    if (Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limit) == 0)
    {
        maxWorkingSet = limit.CurrentLimit == Interop.Sys.RLIM_INFINITY ?
            new IntPtr(Int64.MaxValue) :
            new IntPtr(Convert.ToInt64(limit.CurrentLimit));
    }
    else
    {
        // The contract specifies that this throws Win32Exception when it failes to retrieve the info
        throw new Win32Exception();
    }
}

/// <summary>Sets one or both of the minimum and maximum working set limits.</summary>
/// <param name="newMin">The new minimum working set limit, or null not to change it.</param>
/// <param name="newMax">The new maximum working set limit, or null not to change it.</param>
/// <param name="resultingMin">The resulting minimum working set limit after any changes applied.</param>
/// <param name="resultingMax">The resulting maximum working set limit after any changes applied.</param>
private void SetWorkingSetLimitsCore(IntPtr? newMin, IntPtr? newMax, out IntPtr resultingMin, out IntPtr resultingMax)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // There isn't a way to set the minimum working set, so throw an exception here
    if (newMin.HasValue)
    {
        throw new PlatformNotSupportedException(SR.MinimumWorkingSetNotSupported);
    }

    // The minimum resident set will always be 0, default the resulting max to 0 until we set it (to make the
resultingMin = IntPtr.Zero;
resultingMax = IntPtr.Zero;

// The default hard upper limit is absurdly high (over 9000PB) so just change the soft limit...especially since
// if you aren't root and move the upper limit down, you need root to move it back up
if (newMax.HasValue)
{
    int result = Interop.Sys.SetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, ref limits);
    if (result != 0)
    {
        throw new System.ComponentModel.Win32Exception(SR.RUsageFailure);
    }

    // Try to grab the actual value, in case the OS decides to fudge the numbers
    result = Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limits);
    if (result == 0) resultingMax = new IntPtr((long)limits.CurrentLimit);
}

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<?xml version="1.0" encoding="utf-8"?>
<!--
Description:  a source with two atom:contributor elements produces no error
Expect:       !Error
-->

<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Example Feed</title>
  <link href="http://contoso.com/"/>
</feed>
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https://github.com/madler/zlib
http://zlib.net/zlib_license.html

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// <para>Provides the <see langword='abstract'/> base class for all licenses. A license is
    ///    granted to a specific instance of a component.</para>
    /// </summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        ///    <para>When overridden in a derived class, gets the license key granted to this component.</para>
        /// </summary>
        public abstract string LicenseKey { get; }

        /// <summary>
        ///    <para>When overridden in a derived class, releases the license.</para>
        /// </summary>
        public abstract void Dispose();
    }
}

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https://github.com/madler/zlib
http://zlib.net/zlib_license.html

/* zlib.h -- interface of the 'zlib' general purpose compression library
  version 1.2.11, January 15th, 2017

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//Chris Toshok (toshok@ximian.com)
//

using System;
using System.Collections.Generic;
using System.Security;


[SecurityCritical (SecurityCriticalScope.Everything)]
public class UseLicense
{

public UseLicense (string useLicense)
{
throw new NotImplementedException ();
}

public IDictionary<string, string> ApplicationData {
get { throw new NotImplementedException (); }
}

public Guid ContentId {
get { throw new NotImplementedException (); }
}

public ContentUser Owner {
}
get { throw new NotImplementedException(); }

public CryptoProvider Bind (SecureEnvironment secureEnvironment)
{
throw new NotImplementedException();
}

public override bool Equals (object x)
{
throw new NotImplementedException();
}

public override int GetHashCode ()
{
throw new NotImplementedException();
}

public override string ToString ()
{
throw new NotImplementedException();
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//
// Authors:
// Chris Toshok (toshok@ximian.com)
using System;
using System.Security;


    [SecurityCritical (SecurityCriticalScope.Everything)]
    public class PublishLicense
    {
        public PublishLicense (string signedPublishLicense)
        {
            throw new NotImplementedException ();
        }

        public Guid ContentId {
            get { throw new NotImplementedException (); }
        }

        public string ReferralInfoName {
            get { throw new NotImplementedException (); }
        }

        public Uri ReferralInfoUri {
            get { throw new NotImplementedException (); }
        }

        public Uri UseLicenseAcquisitionUrl {
            get { throw new NotImplementedException (); }
        }

        public UseLicense AcquireUseLicense (SecureEnvironment secureEnvironment)
        {
            throw new NotImplementedException ();
        }

        public UseLicense AcquireUseLicenseNoUI (SecureEnvironment secureEnvironment)
        {
            throw new NotImplementedException ();
        }

        public UnsignedPublishLicense DecryptUnsignedPublishLicense (CryptoProvider cryptoProvider)
        {
            throw new NotImplementedException ();
        }

        public override string ToString ()
        {
            throw new NotImplementedException ();
        }
    }
}
throw new NotImplementedException();
}
}

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// Chris Toshok (toshok@ximian.com)
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using System.Collections.Generic;
using System.Security;


[SecurityCritical (SecurityCriticalScope.Everything)]
public class UnsignedPublishLicense
{
public UnsignedPublishLicense()
{
throw new NotImplementedException();
}

public UnsignedPublishLicense (string publishLicenseTemplate)
{
throw new NotImplementedException();
}
public Guid ContentId {
    get { throw new NotImplementedException (); }
    set { throw new NotImplementedException (); }
}

public ICollection<ContentGrant> Grants {
    get { throw new NotImplementedException (); }
}

public IDictionary<int, LocalizedNameDescriptionPair> LocalizedNameDescriptionDictionary {
    get { throw new NotImplementedException (); }
}

public ContentUser Owner {
    get { throw new NotImplementedException (); }
    set { throw new NotImplementedException (); }
}

public string ReferralInfoName {
    get { throw new NotImplementedException (); }
    set { throw new NotImplementedException (); }
}

public Uri ReferralInfoUri {
    get { throw new NotImplementedException (); }
    set { throw new NotImplementedException (); }
}

public PublishLicense Sign (SecureEnvironment secureEnvironment, out UseLicense authorUseLicense) {
    throw new NotImplementedException ();
}

public override string ToString () {
    throw new NotImplementedException ();
}

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// the following conditions:
namespace System.Windows.Forms {
    public class CreateParams {
        #region Public Constructors
        #endregion
        #region Public Instance Properties
        #endregion
        #region Public Instance Methods
        #endregion
    }
}

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namespace System.ComponentModel {
    using Microsoft.Win32;
    using System;
    using System.Diagnostics;
    using System.Security.Permissions;

    public abstract class License : IDisposable {
        public abstract string LicenseKey { get; }

        public abstract void Dispose();
    }
}
public abstract void Dispose();
}
}

namespace System.Web.Util {
    using System.Security.Permissions;
    using System.Security;
    using System.Data.SqlClient;

    static class Permission {
        internal static bool HasSqlClientPermission() {
            NamedPermissionSet permissionset = HttpRuntime.NamedPermissionSet;

            // If we don't have a NamedPermissionSet, we're in full trust
            if (permissionset == null)
                return true;

            // Check that the user has unrestricted SqlClientPermission
            IPermission allowedPermission = permissionset.GetPermission(typeof(SqlClientPermission));

            if (allowedPermission == null) {
                return false;
            }

            IPermission askedPermission = null;
            try {
                askedPermission = new SqlClientPermission(PermissionState.Unrestricted);
            }
            catch {
                return false;
            }

            return askedPermission.IsSubsetOf(allowedPermission);
        }
    }
}
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* Benchmark Source Files

Logic.cs and zipmark.cs are GPL source files.

* mono/docs/HtmlAgilityPack

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* mcs/jay: 4-clause BSD licensed

* mcs/munit24: MS-PL
* mcs/class/I18N/mklist.sh, tools/cvt.sh: GNU GPLv2

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=============

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From: james.newtonking@gmail.com [mailto:james.newtonking@gmail.com] On Behalf Of James Newton-King
Sent: Tuesday, June 05, 2007 6:36 AM
To: Konstantin Triger
Subject: Re: Support request by Konstantin Triger for Json.NET

Hey Kosta

I think it would be awesome to use Json.NET in Mono for System.Web.Extensions.

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I can waive that statement for you and Mono. Would that be acceptable?

Regards,
James

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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.
Al 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.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(agg@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.)
using System;
using System.Collections;

namespace Mono.ILASM {

    public class Permission
    {
        BaseTypeRef type_ref;

        //PermissionMembers
        ArrayList members;
        PEAPI.Permission perm;

        public Permission (BaseTypeRef type_ref, ArrayList members)
        {
            this.type_ref = type_ref;
            this.members = members;
        }

        public PEAPI.Permission Resolve (CodeGen code_gen)
{  
  string fname;

  type_ref.Resolve (code_gen);

  if (type_ref is ExternTypeRef) {
    ExternAssembly ea = ((ExternTypeRef) type_ref).ExternRef as ExternAssembly;
    if (ea == null)
      //FIXME: module.. ?
        throw new NotImplementedException ();

    string name;
    ExternTypeRef etr = type_ref as ExternTypeRef;
    if (etr != null)
      name = etr.Name;
    else
      name = type_ref.FullName;

    fname = String.Format ("{0}, {1}", name, ea.AssemblyName.FullName);
  } else {
    fname = type_ref.FullName;
  }

  perm = new PEAPI.Permission (type_ref.PeapiType, fname);

  foreach (PermissionMember member in members)
    perm.AddMember (member.Resolve (code_gen));

  return perm;
}

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<para>A <see cref="T:System.ComponentModel.LicenseProvider" /> can use the licenses it grants to track its usage.</para>
<para>Call <see cref="M:System.ComponentModel.License.Dispose" /> when you are finished using the <see cref="T:System.ComponentModel.License" />. The <see cref="M:System.ComponentModel.License.Dispose" /> method leaves the <see cref="T:System.ComponentModel.License" /> in an unusable state. After calling <see cref="M:System.ComponentModel.License.Dispose" />, you must release all references to the <see cref="T:System.ComponentModel.License" /> so the memory it was occupying can be reclaimed by garbage collection.</para>
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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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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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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.

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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1.120 Newtonsoft.Json 11.0.2

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1.121 Newtonsoft.Json.Bson 1.0.1

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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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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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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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1.134 rxjs 6.5.2

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1.135 scanelf 1.2.3-r0

1.136 Scrutor 2.0.0

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1.139 ssl_client 1.29.3-r10

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1.142 System.Data.SqlClient 4.4.0

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using System;
using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// <para>Provides the <see langword='abstract'/> base class for all licenses. A license is granted to a specific instance of a component.</para>
    /// </summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        /// <para>When overridden in a derived class, gets the license key granted to this component.</para>
        /// </summary>
        public abstract string LicenseKey { get; }
/// <summary>
/// When overridden in a derived class, releases the license.</summary>
public abstract void Dispose();

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    new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
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https://github.com/madler/zlib
http://zlib.net/zlib_license.html

/* 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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1.143 System.Diagnostics.DiagnosticSource

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using Microsoft.Win32;
using System;
using System.Diagnostics;
using System.Security.Permissions;

namespace System.ComponentModel
{
    /// <summary>
    /// <para>Provides the <see langword='abstract'/> base class for all licenses. A license is
    ///    granted to a specific instance of a component.</para>
    /// </summary>
    public abstract class License : IDisposable
    {
        /// <summary>
        /// <para>When overridden in a derived class, gets the license key granted to this component.</para>
        /// </summary>
        public abstract string LicenseKey { get; }

        /// <summary>
        /// <para>When overridden in a derived class, releases the license.</para>
        /// </summary>
        public abstract void Dispose();
    }
}

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using System;
using System.Diagnostics;
using System.Runtime.InteropServices;
using System.Text;

using size_t = System.IntPtr;

// This implements shim for sysctl calls.
// They are available on BSD systems - FreeBSD, OSX and others.
// Linux has sysctl() but it is deprecated as well as it is missing sysctlbname()

internal static partial class Interop
{
    internal static partial class Sys
    {

[DllImport(Libraries.SystemNative, EntryPoint = "SystemNative_Sysctl", SetLastError = true)]
private extern static unsafe int Sysctl(int* name, int namelen, void* value, size_t* len);

// This is 'raw' sysctl call, only wrapped to allocate memory if needed
// caller always needs to free returned buffer using Marshal.FreeHGlobal()

public static unsafe int Sysctl(Span<int> name, ref byte* value, ref int len)
{
    fixed (int * ptr = &MemoryMarshal.GetReference(name))
    {
        return Sysctl(ptr, name.Length, ref value, ref len);
    }
}

public static unsafe int Sysctl(int* name, int name_len, ref byte* value, ref int len)
{
    IntPtr bytesLength = (IntPtr)len;
    byte * pBuffer = value;
    value = null;
    int ret=-1;

    if (value == null && len == 0)
    {
        // do one try to see how much data we need
        ret = Sysctl(name, name_len, pBuffer, &bytesLength);
        if (ret != 0)
        {
            throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
        }
        pBuffer = (byte*)Marshal.AllocHGlobal((int)bytesLength);
    }
    ret = Sysctl(name, name_len, pBuffer, &bytesLength);
    if (ret != 0)
    {
        if (value == null && len == 0)
        {
            // This is case we allocated memory for caller
            Marshal.FreeHGlobal((IntPtr)pBuffer);
        }
        throw new InvalidOperationException(string.Format("sysctl returned {0}", ret));
    }

    value = pBuffer;
    len = (int)bytesLength;

    return ret;
}
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using System.Collections.Generic;
using System.IO;
using System.Runtime.InteropServices;

namespace System.Diagnostics
{
    internal static partial class ProcessManager
    {
        /// <summary>Gets process infos for each process on the specified machine.</summary>
        /// <param name="machineName">The target machine.</param>
/// <returns>An array of process infos, one per found process.</returns>
public static ProcessInfo[] GetProcessInfos(string machineName)
{
    ThrowIfRemoteMachine(machineName);
    int[] procIds = GetProcessIds(machineName);

    // Iterate through all process IDs to load information about each process
    var processes = new List<ProcessInfo>(procIds.Length);
    foreach (int pid in procIds)
    {
        ProcessInfo pi = CreateProcessInfo(pid);
        if (pi != null)
        {
            processes.Add(pi);
        }
    }

    return processes.ToArray();
}

/// <summary>Gets an array of module infos for the specified process.</summary>
/// <param name="processId">The ID of the process whose modules should be enumerated.</param>
/// <returns>The array of modules.</returns>
internal static ProcessModuleCollection GetModules(int processId)
{
    // We don't have a good way of getting all of the modules of the particular process,
    // but we can at least get the path to the executable file for the process, and
    // other than for debugging tools, that's the main reason consumers of Modules care about it,
    // and why MainModule exists.
    try
    {
        string exePath = GetProcPath(processId);
        if (!string.IsNullOrEmpty(exePath))
        {
            return new ProcessModuleCollection(1)
            {
                new ProcessModule()
                {
                    FileName = exePath,
                    ModuleName = Path.GetFileName(exePath)
                }
            };
        }
    }
    catch { } // eat all errors

    return new ProcessModuleCollection(0);
}
using System.Collections.Generic;
using System.ComponentModel;

namespace System.Diagnostics
{
    public partial class Process
    {
        /// <summary>
        /// Creates an array of <see cref="Process"/> components that are associated with process resources on a
        /// remote computer. These process resources share the specified process name.
        /// </summary>
        public static Process[] GetProcessesByName(string processName, string machineName)
        {
            if (processName == null)
            {
                processName = string.Empty;
            }

            Process[] procs = GetProcesses(machineName);
            var list = new List<Process>();
            for (int i = 0; i < procs.Length; i++)
            {
                if (string.Equals(processName, procs[i].ProcessName, StringComparison.OrdinalIgnoreCase))
                {
                    list.Add(procs[i]);
                }
                else
                {
                    procs[i].Dispose();
                }
            }

            return list.ToArray();
        }

        /// <summary>
        /// Gets or sets which processors the threads in this process can be scheduled to run on.
        /// </summary>
        private unsafe IntPtr ProcessorAffinityCore
        {
            get
            {
            }
        }
    }
}
{ throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported); }

set
{
    throw new PlatformNotSupportedException(SR.ProcessorAffinityNotSupported);
}
}

/// <summary>
/// Make sure we have obtained the min and max working set limits.
/// </summary>
private void GetWorkingSetLimits(out IntPtr minWorkingSet, out IntPtr maxWorkingSet)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
        throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

    // Minimum working set (or resident set, as it is called on *nix) doesn't exist so set to 0
    minWorkingSet = IntPtr.Zero;

    // Get the max working set size
    Interop.Sys.RLimit limit;
    if (Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limit) == 0)
    {
        maxWorkingSet = limit.CurrentLimit == Interop.Sys.RLIM_INFINITY ?
            new IntPtr(Int64.MaxValue) :
            new IntPtr(Convert.ToInt64(limit.CurrentLimit));
    }
    else
    {
        // The contract specifies that this throws Win32Exception when it fails to retrieve the info
        throw new Win32Exception();
    }
}

/// <summary>Sets one or both of the minimum and maximum working set limits.</summary>
/// <param name="newMin">The new minimum working set limit, or null not to change it.</param>
/// <param name="newMax">The new maximum working set limit, or null not to change it.</param>
/// <param name="resultingMin">The resulting minimum working set limit after any changes applied.</param>
/// <param name="resultingMax">The resulting maximum working set limit after any changes applied.</param>
private void SetWorkingSetLimitsCore(IntPtr? newMin, IntPtr? newMax, out IntPtr resultingMin, out IntPtr resultingMax)
{
    // We can only do this for the current process on OS X
    if (_processId != Interop.Sys.GetPid())
throw new PlatformNotSupportedException(SR.OsxExternalProcessWorkingSetNotSupported);

// There isn't a way to set the minimum working set, so throw an exception here
if (newMin.HasValue)
{
    throw new PlatformNotSupportedException(SR.MinimumWorkingSetNotSupported);
}

// The minimum resident set will always be 0, default the resulting max to 0 until we set it (to make the
compiler happy)
resultingMin = IntPtr.Zero;
resultingMax = IntPtr.Zero;

// The default hard upper limit is absurdly high (over 9000PB) so just change the soft limit...especially since
// if you aren't root and move the upper limit down, you need root to move it back up
if (newMax.HasValue)
{
    Interop.Sys.RLimit limits = new Interop.Sys.RLimit() { CurrentLimit = (ulong)newMax.Value.ToInt64()
    };
    int result = Interop.Sys.SetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, ref limits);
    if (result != 0)
    {
        throw new System.ComponentModel.Win32Exception(SR.RUsageFailure);
    }
    // Try to grab the actual value, in case the OS decides to fudge the numbers
    result = Interop.Sys.GetRLimit(Interop.Sys.RlimitResources.RLIMIT_RSS, out limits);
    if (result == 0) resultingMax = new IntPtr((long)limits.CurrentLimit);
}

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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", "XML version by Jon Bosak, 1996-1997.").
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<?xml version="1.0" encoding="utf-8"?>
<!--
Description: a source with two atom:contributor elements produces no error
Expect: !Error
--> 

<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Example Feed</title>
  <link href="http://contoso.com/"/>
  <updated>2003-12-13T18:30:02Z</updated>
  <author>
    <name>Author Name</name>
  </author>
  <id>urn:uuid:60a76c80-d399-11d9-b93C-0003939e0af6</id>

  <entry>
    <source>
      <title>Source of all knowledge</title>
      <id>urn:uuid:28213c50-f84c-11d9-8cd6-0800200c9a66</id>
      <updated>2003-12-13T17:46:27Z</updated>
      <contributor>
        <name>John Smith</name>
      </contributor>
      <contributor>
        <name>input name</name>
      </contributor>
    </source>
    <title>Atom-Powered Robots Run Amok</title>
    <link href="http://contoso.com/2003/12/13/atom03"/>
    <id>urn:uuid:1225c695-cfb8-4ebb-aaaa-80da344efa6a</id>
    <updated>2003-12-13T18:30:02Z</updated>
    <summary>Some text.</summary>
  </entry>
</feed>
<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Example Feed</title>
  <link href="http://contoso.com/"/>
  <updated>2003-12-13T18:30:02Z</updated>
  <author>
    <name>Author Name</name>
  </author>
  <id>urn:uuid:60a76c80-d399-11d9-b93C-0003939e0af6</id>
  <entry>
    <title>Atom-Powered Robots Run Amok</title>
    <link href="http://contoso.com/2003/12/13/atom03"/>
    <id>urn:uuid:1225c695-cfb8-4ebb-aaaa-80da344efa6a</id>
    <updated>2003-12-13T18:30:02Z</updated>
    <summary>Some text.</summary>
    <contributor>
      <name>John Smith</name>
    </contributor>
    <contributor>
      <name>input name</name>
    </contributor>
  </entry>
</feed>
<?xml version="1.0" encoding="utf-8"?>
<!--
Description:  a feed with two atom:contributor elements
Expect:       !Error
-->

<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Example Feed</title>
  <link href="http://contoso.com/">
  <updated>2003-12-13T18:30:02Z</updated>
  <author>
    <name>Author Name</name>
  </author>
  <contributor>
    <name>John Smith</name>
  </contributor>
  <contributor>
    <name>input name</name>
  </contributor>
  <id>urn:uuid:60a76c80-d399-11d9-b93c-0003939e0af6</id>

  <entry>
    <title>Atom-Powered Robots Run Amok</title>
    <link href="http://contoso.com/2003/12/13/atom03"/>
    <id>urn:uuid:1225c695-cfb8-4ebb-aaaa-80da344efa6a</id>
    <updated>2003-12-13T18:30:02Z</updated>
    <summary>Some text.</summary>
  </entry>

</feed>

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https://github.com/madler/zlib
http://zlib.net/zlib_license.html

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.147 tslerp2 2.0.0

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1.150 userspace-rcu 0.10.1-r0
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Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the
userspace RCU library in a patch submitted on May 8, 2009 from Paul E.
McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and
barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbf0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his
patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel
and powerpc. They are MIT-licensed and therefore usable in LGPL code.
This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to
LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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