



# Open Source Used In Connected TAC Diagnostic Bridge 1.9.0

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```
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# 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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# 1.15 aspnetcore 2.2.7

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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);
  }
}
@model Dictionary<string, object>
© @Model["year"] - @Model["website"]
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using System.Collections.Generic;
using Microsoft.AspNetCore.Mvc;
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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```
@model Dictionary<string, object>
<footer>Copyright @Model["year"] @Model["website"]</footer>
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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);
    }
  }
}
@model Dictionary<string, object>
© @Model["year"] - @Model["website"]
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using System.Collections.Generic;
using Microsoft.AspNetCore.Mvc;
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;
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.
    /// For more information about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
    /// Identifiers</a>.
    /// </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>
```

```
///  ///
    /// <para>
    /// <code>deny</code>
    /// </para>
    /// <
    /// <para>
    /// <code>show</code>
    /// </para>
    /// ///
    /// <para>
    /// <code>deploy</code>
    /// </para>
    /// ///
    /// <para>
    /// <code>manage</code>
    /// </para>
    /// <
    /// <para>
    /// <code>iam_only</code>
    /// </para>
    ///  
    /// <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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*/
* 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.
    /// 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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*/
* Do not modify this file. This file is generated from the workmail-2017-10-01.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.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.
    /// The identifier of the entity (user or group) to which the permissions are granted.
    /// </para>
    /// </summary>
    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.
   /// 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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```

}

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*/
* Do not modify this file. This file is generated from the elastictranscoder-2012-09-25.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. Elastic Transcoder. 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.
   /// 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>
   /// ///
   /// <para>
```

```
/// <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic
/// Transcoder adds to the Amazon S3 bucket.
/// </para>
/// ///
/// <para>
/// <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic
/// Transcoder adds to the Amazon S3 bucket.
/// </para>
/// 
/// <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>
///  
/// </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.
/// <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>
    ///  ///
    /// <para>
    /// <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin
    /// access identity for an Amazon CloudFront distribution.
    /// </para>
    /// <important>
    /// <para>
    /// A canonical user ID is not the same as an AWS account number.
    /// </para>
    /// </important> 
    /// <para>
    /// <code>Email</code>: The registered email address of an AWS account.
    /// ///
    /// <para>
    /// <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
    /// <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
    /// </para>
    ///  
    /// </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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```

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# 1.17 AWSSDK.S3 3.3.25

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*/
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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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*/
```

}

```
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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. Elastic Transcoder. 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.
   /// <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>
   /// ///
   /// <para>
   /// <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic
   /// Transcoder adds to the Amazon S3 bucket.
   /// </para>
   /// 
   /// <para>
   /// <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic
   /// Transcoder adds to the Amazon S3 bucket.
   /// </para>
   /// ///
   /// <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>
```

```
/// 
/// </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.
/// <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.
/// The type of value that appears in the Grantee object:
/// </para>
///  ///
/// <para>
/// <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin
/// access identity for an Amazon CloudFront distribution.
/// </para>
/// <important>
/// <para>
/// A canonical user ID is not the same as an AWS account number.
```

```
/// </para>
   /// </important> 
   /// <para>
   /// <code>Email</code>: The registered email address of an AWS account.
   /// </para>
   /// 
   /// <para>
   /// <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
   /// <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
   /// </para>
   ///  
   /// </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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*/
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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.
    /// For more information about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
    /// Identifiers</a>.
    /// </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>
    ///  ///
    /// <para>
    /// <code>deny</code>
    /// </para>
    /// ///
    /// <para>
    /// <code>show</code>
    /// </para>
    /// ///
    /// <para>
    /// <code>deploy</code>
    /// </para>
    /// ///
    /// <para>
    /// <code>manage</code>
    /// </para>
```

```
/// ///
    /// <para>
    /// <code>iam_only</code>
    /// </para>
    ///  
    /// <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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```

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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.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.
    /// <para>
    /// The identifier of the entity (user or group) to which the permissions are granted.
    /// </para>
    /// </summary>
    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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## 1.21 ca-certificates 20190108:0

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```
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```

# Contributor: William Pitcock < nenolod@dereferenced.org>

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pkgname=ca-certificates

pkgver=20190108

pkgrel=0

pkgdesc="Common CA certificates PEM files"

url="https://www.mozilla.org/en-US/about/governance/policies/security-group/certs/"

arch="all"

license="MPL-2.0 GPL-2.0-or-later"

depends=""

makedepends="python3 openssl-dev"

subpackages="\$pkgname-doc \$pkgname-cacert"

# c\_rehash is either in libcrypto1.0 or openssl depending on package, grr. replace both of them replaces="libcrypto1.0 openssl openssl1.0"

options="!fhs !check"

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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 \parallel (longlongstuff3 > 0 &&
```

```
longlong stuff 4 < 0)) -> OK
```

if (lonlongstuff1 == longlongstuff2 || (longlongstuff3 > 0 &&

longlongstuff4 < 0)) -> TOO INDENTATION!

## Coding Style

- Adhere to .NET Framework Coding Guidelines (http://msdn.microsoft.com/en-us/library/ms229042.aspx) for public types.
- 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 desidered 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.

**Breaking Changes** 

Please discuss any important modification or something that breaks the Public API.

Not covered here

You can take existing code as a model or write me.

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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.
   /// Retrieved from <see cref="AssemblyCopyrightAttribute"/>, if it exists,
   /// otherwise it uses <see cref="AssemblyCompanyAttribute"/> as copyright holder with the current year.
   /// If neither exists it throws an <see cref="InvalidOperationException"/>.
   /// </summary>
   public static CopyrightInfo Default
    {
      get
      {
        // if an exact copyright string has been specified, it takes precedence
         var copyrightAttr = ReflectionHelper.GetAttribute<AssemblyCopyrightAttribute>();
```

```
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(' ')
```

```
.Append(isSymbolUpper ? SymbolUpper : SymbolLower)
         .Append(' ')
         .Append(FormatYears(copyrightYears))
         .Append(' ')
         .Append(author)
         .ToString();
    }
   /// <summary>
   /// When overridden in a derived class, allows to specify a new algorithm to render copyright copyright Years
   /// 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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http://www.cl.cam.ac.uk/~mr10/Bench/README

Please feel free to re-implement this benchmark in any language you

choose. I would be happy to incorporate such tranlations into this distribution together with their timing/size results.

Martin Richards

23 February 2007

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http://hboehm.info/gc/gc\_bench.html http://hboehm.info/gc/gc\_bench/GCBench.c

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https://www.simple-talk.com/dotnet/.net-framework/the-dangers-of-the-large-object-heap/

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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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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

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http://www.mono-project.com/docs/about-mono/

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```
/// <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 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)
       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.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
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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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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new XElement("fm",
 new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
 new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
 new XElement("p", "XML version by Jon Bosak, 1996-1997."),
 new XElement("p", "This work may be freely copied and distributed worldwide.")
<?xml version="1.0" encoding="utf-8"?>
<!--
Description: creativeCommons:license element
Expect:
           !Error
```

```
-->
<feed xmlns="http://www.w3.org/2005/Atom"
xmlns:creativeCommons="http://contoso.com/creativeCommonsRssModule">
<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>
<creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
<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>
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</feed>
<?xml version="1.0" encoding="utf-8"?>
Description: entry with multiple 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>
<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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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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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. Free HGlobal ((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 (process Name, procs[i]. Process Name, String Comparison. Ordinal Ignore Case)) \\
           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. Processor AffinityNotSupported);
      }
      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);
         }
         // 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("fm",
 new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),
 new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
 new XElement("p", "XML version by Jon Bosak, 1996-1997."),
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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>
<?xml version="1.0" encoding="utf-8"?>
Description: creativeCommons:license element
Expect:
           !Error
-->
<feed xmlns="http://www.w3.org/2005/Atom"
xmlns:creativeCommons="http://contoso.com/creativeCommonsRssModule">
<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>
<creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
<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>
  <creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
</entry>
</feed>
<?xml version="1.0" encoding="utf-8"?>
Description: entry with multiple 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>
<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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```

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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
By Sean Eron Anderson

seander@cs.stanford.edu

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## 1.30 Cronos 0.7.0

## 1.31 DasMulli.Win32.ServiceUtils 1.2.0

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## 1.32 DotLiquid 2.0.314

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- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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# 1.41 krb5-conf 1.0-r1

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cmd/krb5/iprop/iprop\_hdr.h
cmd/krb5/kadmin/server/ipropd\_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd\_rpc.c
lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c
lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h
lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c
lib/krb5/kadm5/kadm\_host\_srv\_names.c

lib/krb5/kdb/kdb convert.c

lib/krb5/kdb/kdb\_hdr.h

lib/krb5/kdb/kdb\_log.c

lib/krb5/kdb/kdb log.h

lib/libgss/g\_accept\_sec\_context.c

lib/libgss/g\_acquire\_cred.c

lib/libgss/g\_canon\_name.c

lib/libgss/g\_compare\_name.c

lib/libgss/g\_context\_time.c

 $lib/libgss/g\_delete\_sec\_context.c$ 

lib/libgss/g\_dsp\_name.c

lib/libgss/g\_dsp\_status.c

lib/libgss/g\_dup\_name.c

lib/libgss/g\_exp\_sec\_context.c

lib/libgss/g\_export\_name.c

lib/libgss/g\_glue.c

lib/libgss/g\_imp\_name.c

lib/libgss/g\_imp\_sec\_context.c

lib/libgss/g\_init\_sec\_context.c

lib/libgss/g\_initialize.c

lib/libgss/g\_inquire\_context.c

lib/libgss/g\_inquire\_cred.c

lib/libgss/g\_inquire\_names.c

 $lib/libgss/g\_process\_context.c$ 

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
lib/libgss/g\_userok.c
lib/libgss/g\_utils.c
lib/libgss/g\_verify.c
lib/libgss/gssd\_pname\_to\_uid.c
uts/common/gssapi/include/gssapi\_err\_generic.h
uts/common/gssapi/include/mechglueP.h

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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')
    # 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' \land * ([^{\land}]*)(-.*)? \land */', 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'\'*.*?\*/', ", 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:
```

```
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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cmd/krb5/kadmin/server/ipropd\_svc.c

cmd/krb5/kproplog/kproplog.c

cmd/krb5/slave/kpropd\_rpc.c

lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c

lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h

lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c

lib/krb5/kadm5/kadm\_host\_srv\_names.c

lib/krb5/kdb/kdb\_convert.c

lib/krb5/kdb/kdb\_hdr.h

lib/krb5/kdb/kdb\_log.c

lib/krb5/kdb/kdb\_log.h

lib/libgss/g\_accept\_sec\_context.c

lib/libgss/g acquire cred.c

lib/libgss/g\_canon\_name.c

lib/libgss/g\_compare\_name.c

lib/libgss/g\_context\_time.c

lib/libgss/g\_delete\_sec\_context.c

lib/libgss/g\_dsp\_name.c

lib/libgss/g\_dsp\_status.c

lib/libgss/g\_dup\_name.c

lib/libgss/g\_exp\_sec\_context.c

lib/libgss/g\_export\_name.c

lib/libgss/g\_glue.c

lib/libgss/g\_imp\_name.c

lib/libgss/g\_imp\_sec\_context.c

lib/libgss/g\_init\_sec\_context.c

lib/libgss/g\_initialize.c

 $lib/libgss/g\_inquire\_context.c$ 

lib/libgss/g\_inquire\_cred.c

lib/libgss/g\_inquire\_names.c

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

lib/libgss/g\_userok.c

lib/libgss/g\_utils.c

lib/libgss/g\_verify.c

lib/libgss/gssd\_pname\_to\_uid.c

uts/common/gssapi/include/gssapi\_err\_generic.h uts/common/gssapi/include/mechglueP.h

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<a href="http://www.w3.org/1999/xhtml">
<head>
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 <title>MIT Kerberos License information &#8212; MIT Kerberos Documentation</title>
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   COLLAPSE_INDEX: false,
   FILE_SUFFIX: '.html',
   HAS_SOURCE: true,
   SOURCELINK_SUFFIX: '.txt'
  };
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 <script type="text/javascript" src="_static/underscore.js"></script>
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 k rel="index" title="Index" href="genindex.html" />
 <link rel="search" title="Search" href="search.html" />
 k rel="copyright" title="Copyright" href="copyright.html" />
 k rel="next" title="Copyright" href="copyright.html" />
 <link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
</head>
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    <div class="header">
      <h1><a href="index.html">MIT Kerberos Documentation</a></h1>
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    <a href="index.html" title="Full Table of Contents"
      accesskey="C">Contents</a> |
    <a href="mitK5features.html" title="MIT Kerberos features"
      accesskey="P">previous</a> |
   <a href="copyright.html" title="Copyright"
      accesskey="N">next</a> |
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      accesskey="I">index</a> |
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kerberos-license-information" title="Permalink to this headline"></a></h1>
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class="pre">kadmin/passwd</span></code>,
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class="n">generic</span><span class="o">/</span><span class="n">gssapi_err_generic</span><span
class="o">.</span><span class="n">et</span>
<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>
class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span
class="n">g_accept_sec_context</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>
```

class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g acquire cred</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g canon name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g compare name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_context\_time</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_delete\_sec\_context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_dsp\_name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_dsp\_status</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_dup\_name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g exp sec context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g export name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g glue</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g imp name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_imp\_sec\_context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_init\_sec\_context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_initialize</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_inquire\_context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>

class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g inquire cred</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g inquire names</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g process context</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_rel\_buffer</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_rel\_cred</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_rel\_name</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_rel\_oid\_set</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_seal</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g sign</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g store cred</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g unseal</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g userok</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_utils</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_verify</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="0">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">gssd\_pname\_to\_uid</span><span class="o">.</span><span class="n">c</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre> class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">mglueP</span><span class="o">.</span><span class="n">h</span> <span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>

```
class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span
class="n">oid ops</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>
class="o">/</span><span class="n">spnego</span><span class="o">/</span><span
class="n">gssapiP_spnego</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span</pre>
class="o">/</span><span class="n">spnego</span><span class="o">/</span><span
class="n">spnego_mech</span><span class="o">.</span><span class="n">c</span>
</div>
</div>
and the initial implementation of incremental propagation, including
the following new or changed files:
<div class="highlight-default"><div class="highlight"><span></span><span class="n">include</span><span</pre>
class="o">/</span><span class="n">iprop_hdr</span><span class="o">.</span><span class="n">h</span>
<span class="n">kadmin</span><span class="o">/</span><span class="n">server</span><span</pre>
class="o">/</span><span class="n">ipropd svc</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">iprop</span><span class="o">.</span><span class="n">x</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb_convert</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb_log</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb log</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o">/</span><span class="n">krb5</span><span</pre>
class="o">/</span><span class="n">error tables</span><span class="o">/</span><span
class="n">kdb5 err</span><span class="o">.</span><span class="n">et</span>
<span class="n">slave</span><span class="o">/</span><span class="n">kpropd_rpc</span><span</pre>
class="o">.</span><span class="n">c</span>
<span class="n">slave</span><span class="o">/</span><span class="n">kproplog</span><span</pre>
class="o">.</span><span class="n">c</span>
</div>
</div>
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## .. 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

 $lib/gssapi/mechglue/g\_exp\_sec\_context.c$ 

lib/gssapi/mechglue/g\_export\_name.c

lib/gssapi/mechglue/g\_glue.c

lib/gssapi/mechglue/g\_imp\_name.c

lib/gssapi/mechglue/g\_imp\_sec\_context.c

lib/gssapi/mechglue/g\_init\_sec\_context.c

lib/gssapi/mechglue/g\_initialize.c

lib/gssapi/mechglue/g inquire context.c

lib/gssapi/mechglue/g\_inquire\_cred.c

lib/gssapi/mechglue/g\_inquire\_names.c

lib/gssapi/mechglue/g\_process\_context.c

lib/gssapi/mechglue/g\_rel\_buffer.c

lib/gssapi/mechglue/g\_rel\_cred.c

lib/gssapi/mechglue/g\_rel\_name.c

lib/gssapi/mechglue/g\_rel\_oid\_set.c

lib/gssapi/mechglue/g\_seal.c

lib/gssapi/mechglue/g\_sign.c

lib/gssapi/mechglue/g\_store\_cred.c

lib/gssapi/mechglue/g\_unseal.c

lib/gssapi/mechglue/g\_userok.c

lib/gssapi/mechglue/g\_utils.c

lib/gssapi/mechglue/g\_verify.c

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:

## .. parsed-literal::

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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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

"src/lib/gssapi", including the following files:

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

 $lib/gssapi/mechglue/g\_exp\_sec\_context.c$ 

lib/gssapi/mechglue/g\_export\_name.c

lib/gssapi/mechglue/g\_glue.c

lib/gssapi/mechglue/g\_imp\_name.c

lib/gssapi/mechglue/g\_imp\_sec\_context.c

lib/gssapi/mechglue/g\_init\_sec\_context.c

lib/gssapi/mechglue/g\_initialize.c

lib/gssapi/mechglue/g inquire context.c

lib/gssapi/mechglue/g\_inquire\_cred.c

lib/gssapi/mechglue/g\_inquire\_names.c

lib/gssapi/mechglue/g\_process\_context.c

lib/gssapi/mechglue/g\_rel\_buffer.c

lib/gssapi/mechglue/g\_rel\_cred.c

lib/gssapi/mechglue/g\_rel\_name.c

 $lib/gssapi/mechglue/g\_rel\_oid\_set.c$ 

lib/gssapi/mechglue/g\_seal.c

lib/gssapi/mechglue/g\_sign.c

lib/gssapi/mechglue/g\_store\_cred.c

lib/gssapi/mechglue/g\_unseal.c

lib/gssapi/mechglue/g\_userok.c

lib/gssapi/mechglue/g\_utils.c

lib/gssapi/mechglue/g\_verify.c

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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## 1.43 libc-utils 0.7.1 :r0

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```
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.h 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/openbsd-compat.h 2016-07-18 13:33:16.260357745 +0300
@@ -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);
#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.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c 2016-07-18 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)
```

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```
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 \"%s\"", 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/RJRJBS/$_pkgreal-$pkgver.tar.gz"
_builddir="$srcdir/$_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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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="$srcdir/$_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 || 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="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06_BSD-Resource-
1.2909.tar.gz"
85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
# Contributor: Fabian Affolter < fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter < fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.1
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="python2 flake8"
depends_dev=""
makedepends="python2-dev py-setuptools"
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="8fab17d27f0b417c44ea0bebf579d71b flake8-copyright-0.1.tar.gz"
sha256sums="34cba5411ef3f677b7ba8d7b063493c9ed5af9985b2da77807be94bf9e65823b flake8-copyright-
0.1.tar.gz"
sha512sums = "c1ef4b8ad4bd422b629ec481074256d33ca4c8e8f10c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93ec4bf6c7a7da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a6da6619b01c18ccf6f8a86bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a664bf6c7a
0f23797c1a356abcf242e9f556b979b75e3a8bfe46 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"
source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
_builddir="$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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Version 2, June 1991

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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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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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Gadi Oxman, August 1995

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23-June-2007		

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Version 2, June 1991

Theodore Ts'o

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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.

```
# 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_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)\ \backslash\\
 $(DESTDIR)$(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

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--- tdbsa.orig/tdb.c +++ tdbsa/tdb.c @@ -4,11 +4,11 @@ Rev: 23371 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007) \*/

- Unix SMB/CIFS implementation.
- + trivial database library standalone version

- trivial database library - private includes

.

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## 1.45 libcrypto1.1 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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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>
    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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```
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. Processor AffinityNotSupported);
```

```
/// <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);
         // 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/"/>
```

```
<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>
<?xml version="1.0" encoding="utf-8"?>
<!--
Description: creativeCommons:license element
Expect:
          !Error
-->
<feed xmlns="http://www.w3.org/2005/Atom"
xmlns:creativeCommons="http://contoso.com/creativeCommonsRssModule">
<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>
<creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
<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>
  <creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
</entry>
</feed>
<?xml version="1.0" encoding="utf-8"?>
<!--
Description: entry with multiple 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>
<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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```

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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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jloup@gzip.org madler@alumni.caltech.edu

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By Sean Eron Anderson
seander@cs.stanford.edu

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decode fuzzer.c:

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Documentation.

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

By Sean Eron Anderson seander@cs.stanford.edu

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// Chris Toshok (toshok@ximian.com)
using System;
using System.Collections.Generic;
using System.Security;
namespace System.Security.RightsManagement {
[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)
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```

```
using System;
using System.Security;
namespace System.Security.RightsManagement {
[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 ();
}
}
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using System;
using System.Collections.Generic;
using System.Security;
namespace System.Security.RightsManagement {
[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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public class CreateParams {
 #region Public Constructors
 #endregion // Public Constructors
 #region Public Instance Properties
 #endregion // Public Instance Properties
 #region Public Instance Methods
 #endregion // Public Instance Methods
}
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 </remarks>
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  </Docs>
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Dispose() cil managed" />
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usage.</para>
     <para>Call <see cref="M:System.ComponentModel.License.Dispose" /> when you are finished using the <see</pre>
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>
     <blook subset="none" type="note">
      reference to the <see cref="T:System.ComponentModel.License" />. Otherwise, the resources the <see
cref="T:System.ComponentModel.License" /> is using will not be freed until garbage collection calls the <see
cref="T:System.ComponentModel.License" /> object's destructor.</para>
     </block>
   </remarks>
    <summary>
     <attribution license="cc4" from="Microsoft" modified="false" />
```

```
<para>When overridden in a derived class, disposes of the resources used by the license.</para>
    </summary>
  </Docs>
  </Member>
  <Member MemberName="LicenseKey">
  <MemberSignature Language="C#" Value="public abstract string LicenseKey { get; }" />
  <MemberSignature Language="ILAsm" Value=".property instance string LicenseKey" />
  <MemberType>Property</MemberType>
  <AssemblyInfo>
    <AssemblyVersion>1.0.5000.0</AssemblyVersion>
   <Assembly Version>2.0.0.0</Assembly Version>
    <Assembly Version>4.0.0.0</Assembly Version>
  </AssemblyInfo>
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  </ReturnValue>
  <Docs>
    <value>To be added: an object of type 'string'</value>
    <remarks>
     <attribution license="cc4" from="Microsoft" modified="false" />
     <para>A <see cref="T:System.ComponentModel.LicenseProvider" /> can use any Unicode character string as
a license key. The <see cref="P:System.ComponentModel.License.LicenseKey" /> should be treated as an opaque
cookie, that is, a cookie with a deliberately hidden internal structure.</para>
    </remarks>
    <summary>
     <attribution license="cc4" from="Microsoft" modified="false" />
     <para>When overridden in a derived class, gets the license key granted to this component.
    </summary>
  </Docs>
  </Member>
</Members>
</Type>
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// </copyright>
//-----
namespace System.ComponentModel {
 using Microsoft.Win32;
 using System;
 using System.Diagnostics;
 using System.Security.Permissions;
 /// <include file='doc\License.uex' path='docs/doc[@for="License"]/*' />
 /// <devdoc>
 /// <para>Provides the <see langword='abstract'/> base class for all licenses. A license is
 /// granted to a specific instance of a component.</para>
 /// </devdoc>
 [HostProtection(SharedState = true)]
 public abstract class License: IDisposable
  {
   /// <include file='doc\License.uex' path='docs/doc[@for="License.LicenseKey"]/*' />
   /// <devdoc>
   /// <para>When overridden in a derived class, gets the license key granted to this component.</para>
   /// </devdoc>
   public abstract string LicenseKey { get; }
   /// <include file='doc\License.uex' path='docs/doc[@for="License.Dispose"]/*' />
   /// <devdoc>
   /// <para>When overridden in a derived class, releases the license.</para>
```

```
/// </devdoc>
    public abstract void Dispose();
  }
}
// <copyright file="Permission.cs" company="Microsoft">
    Copyright (c) Microsoft Corporation. All rights reserved.
// </copyright>
* Copyright (c) 1998-1999, Microsoft Corporation
*/
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;
         askedPermission = new SqlClientPermission(PermissionState.Unrestricted);
       }
      catch {
         return false;
       }
      return askedPermission.IsSubsetOf(allowedPermission);
  }
```

}

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==========

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\* gettext

m4 source files used to probe features at build time: GPL

\* Benchmark Source Files

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

\* mono/docs/HtmlAgilityPack

MS-PL licensed

\* mcs/jay: 4-clause BSD licensed

\* mcs/nunit24: MS-PL

* mcs/class/I18N/mklist.sh, tools/cvt.sh: GNU GPLv2		
Runtime Co	de ====	
The followi embeddable	ng code is linked with the final Mono runtime, the libmono runtime:	
* support/m	ninizip: BSD license.	
* mono/util	s/memcheck.h: BSD license, used on debug builds that use Valgrind.	
* mono/util	s/freebsd-dwarf.h, freebsd-elf_common.h, freebsd-elf64.h freebsd-elf32.h: BSD licens	
* mono/util	s/bsearch.c: BSD license.	
* mono/met	adata/w32file-unix-glob.c, w32file-unix-glob.h: BSD license	
Class Librai	ry code =======	
These are cl	lass libraries that can be loaded by your process:	
* mcs/class/	RabbitMQ.Client: dual licensed in Apache v2, and Mozilla Public License 1.1	
mcs/class/I	Compat.ICSharpCode.SharpZipLib and CSharpCode.SharpZipLib are GPL with class-path exception. with the SharpDevelop project.	
* mcs/class/	/System.Core/System/TimeZoneInfo.Android.cs	
-	ort of Apache 2.0-licensed Android code, and thus is der the Apache 2.0 license	
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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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See LICENSE file in the project root for full license information. 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(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to

nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the

code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

```
// Mono.ILASM.Permission
// Author(s):
// Ankit Jain <JAnkit@novell.com>
// Copyright (C) 2006 Novell, Inc (http://www.novell.com)
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// distribute, sublicense, and/or sell copies of the Software, and to
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// LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
// OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
// WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
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;
                   }
         }
<?xml version="1.0" encoding="utf-8"?>
<Type Name="License" FullName="System.ComponentModel.License">
 <TypeSignature Language="C#" Value="public abstract class License: IDisposable" Maintainer="auto" />
 <TypeSignature Language="ILAsm" Value=".class public auto ansi abstract beforefieldinit License extends
System.Object implements class System.IDisposable" />
 <AssemblyInfo>
   <AssemblyName>System</AssemblyName>
   <a href="https://doi.org/10.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblickey/00.008/jwblicke
   <AssemblyVersion>1.0.3300.0</AssemblyVersion>
   <AssemblyVersion>1.0.5000.0</AssemblyVersion>
   <AssemblyVersion>2.0.0.0</AssemblyVersion>
   <AssemblyVersion>4.0.0.0</AssemblyVersion>
 </AssemblyInfo>
 <ThreadSafetyStatement>Gtk# is thread aware, but not thread safe; See the k location="node:gtk-
sharp/programming/threads">Gtk# Thread Programming</link> for details.</ThreadSafetyStatement>
```

```
<Base>
 <BaseTypeName>System.Object</BaseTypeName>
</Base>
<Interfaces>
 <Interface>
  <InterfaceName>System.IDisposable</InterfaceName>
 <Docs>
 <remarks>
  <attribution license="cc4" from="Microsoft" modified="false" />
  <para>All components must call <see cref="M:System.ComponentModel.License.Dispose" /> for the licenses
they grant when the component is disposed or finalized.</para>
 </remarks>
 <summary>
  <attribution license="cc4" from="Microsoft" modified="false" />
  <para>Provides the abstract base class for all licenses. A license is granted to a specific instance of a
component.</para>
 </summary>
</Docs>
<Members>
 <Member MemberName=".ctor">
  <MemberSignature Language="C#" Value="protected License ();" />
  <MemberSignature Language="ILAsm" Value=".method familyhidebysig specialname rtspecialname instance</p>
void .ctor() cil managed" />
  <MemberType>Constructor</MemberType>
  <AssemblyInfo>
   <AssemblyVersion>1.0.5000.0</AssemblyVersion>
   <AssemblyVersion>2.0.0.0</AssemblyVersion>
   <AssemblyVersion>4.0.0.0</AssemblyVersion>
  </AssemblyInfo>
  <ReturnValue />
  <Parameters />
  <Docs>
   <remarks>To be added</remarks>
   <summary>
    <attribution license="cc4" from="Microsoft" modified="false" />
    <para>Initializes a new instance of the <see cref="T:System.ComponentModel.License" /> class. </para>
   </summary>
  </Docs>
 </Member>
 <Member MemberName="Dispose">
  <MemberSignature Language="C#" Value="public abstract void Dispose ();" />
  <MemberSignature Language="ILAsm" Value=".method public hidebysig newslot virtual instance void</p>
Dispose() cil managed" />
  <MemberType>Method</MemberType>
  <AssemblyInfo>
   <Assembly Version>1.0.5000.0</Assembly Version>
```

```
<Assembly Version>2.0.0.0</Assembly Version>
    <AssemblyVersion>4.0.0.0</AssemblyVersion>
  </AssemblyInfo>
  <ReturnValue>
    <ReturnType>System.Void</ReturnType>
  </ReturnValue>
  <Parameters />
  <Docs>
    <remarks>
     <attribution license="cc4" from="Microsoft" modified="false" />
     <para>All components must call <see cref="M:System.ComponentModel.License.Dispose" /> for the licenses
that they grant when the component is disposed of or finalized.</para>
     <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</pre>
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>
     <blook subset="none" type="note">
      <para>Always call <see cref="M:System.ComponentModel.License.Dispose" /> before you release your last
reference to the <see cref="T:System.ComponentModel.License" />. Otherwise, the resources the <see
cref="T:System.ComponentModel.License" /> is using will not be freed until garbage collection calls the <see
cref="T:System.ComponentModel.License" /> object's destructor.</para>
     </block>
    </remarks>
    <summary>
     <attribution license="cc4" from="Microsoft" modified="false" />
     <para>When overridden in a derived class, disposes of the resources used by the license.</para></para>
    </summary>
  </Docs>
  </Member>
  <Member MemberName="LicenseKey">
  <MemberSignature Language="C#" Value="public abstract string LicenseKey { get; }" />
  <MemberSignature Language="ILAsm" Value=".property instance string LicenseKey" />
  <MemberType>Property</MemberType>
  <AssemblyInfo>
    <AssemblyVersion>1.0.5000.0</AssemblyVersion>
    <Assembly Version>2.0.0.0</Assembly Version>
    <Assembly Version>4.0.0.0</Assembly Version>
  </AssemblyInfo>
  <ReturnValue>
    <ReturnType>System.String</ReturnType>
  </ReturnValue>
  <Docs>
    <value>To be added: an object of type 'string'</value>
    <remarks>
```

```
<attribution license="cc4" from="Microsoft" modified="false" />
```

<para>A <see cref="T:System.ComponentModel.LicenseProvider" /> can use any Unicode character string as
a license key. The <see cref="P:System.ComponentModel.License.LicenseKey" /> should be treated as an opaque
cookie, that is, a cookie with a deliberately hidden internal structure./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.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Otherwise, if the work is a derivative of the Library, you may

distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- 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.
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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# 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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# 1.138 SshNet.Security.Cryptography 1.2.0

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# 1.139 ssl\_client 1.29.3-r10

# 1.140 Swashbuckle.AspNetCore 4.0.1

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# 1.142 System.Data.SqlClient 4.4.0

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

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.....

```
new XElement("TITLE", "The Tragedy of Hamlet, Prince of Denmark"), new XElement("fm", new XElement("p", "Text placed in the public domain by Moby Lexical Tools, 1992."), new XElement("p", "SGML markup by Jon Bosak, 1992-1994."), new XElement("p", "XML version by Jon Bosak, 1996-1997."), new XElement("p", "This work may be freely copied and distributed worldwide.")

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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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# 1.143 System.Diagnostics.DiagnosticSource

## 4.5.0

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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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```

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```
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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
```

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{

```
[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
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("p", "Text placed in the public domain by Moby Lexical Tools, 1992."),

new XElement("fm",

new XElement("p", "SGML markup by Jon Bosak, 1992-1994."),
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>
<?xml version="1.0" encoding="utf-8"?>
Description: creativeCommons:license element
Expect:
           !Error
-->
<feed xmlns="http://www.w3.org/2005/Atom"
xmlns:creativeCommons="http://contoso.com/creativeCommonsRssModule">
<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>
<creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
<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>
  <creativeCommons:license>http://contoso.com/licenses/by/2.0/</creativeCommons:license>
</entry>
</feed>
<?xml version="1.0" encoding="utf-8"?>
Description: entry with multiple 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>
<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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```

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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

By Sean Eron Anderson seander@cs.stanford.edu

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## 1.146 time-stamp 1.1.0

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## 1.147 tslerp2 2.0.0

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## 1.148 tslib 1.9.3

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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:

http://lists.casi.polymtl.ca/pipermail/ltt-dev/2009-May/001584.html

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

commit id: 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <br/> <br/> dert.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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Version 2.1, February 1999

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