

One Identity Active Roles 7.5.2

Release Notes

04 April 2022, 16:14

These release notes provide information about the changes, enhancements, and known or resolved issues of Active Roles 7.5.2. For the most recent documents and product information, and for the release notes and documentation of earlier product releases, see the [online Active Roles technical documentation](#) on the One Identity Support Portal.

About this release

Active Roles 7.5.2 is a full maintenance release with enhancements and resolved issues. This release also introduces support for Microsoft Graph API, superseding the Azure AD Graph API that is planned to retire in 2022.

- For more information on the enhancements, see [Enhancements](#).
- For more information on the list of resolved issues, see [Resolved issues](#).

Supported platforms

Active Roles 7.5.2 introduces the following changes to system requirements compared to Active Roles 6.9.0:

- Windows Server 2012 or a later version of the Windows Server operating system is required to run the Administration Service or Web Interface.
- The following SQL Server versions are supported: Microsoft SQL Server 2012, 2014, 2016, 2017, and 2019.
- You can use Active Roles to manage Exchange recipients on Exchange Server 2019, 2016, or 2013.

NOTE: Microsoft Exchange 2013 CU11 is no longer supported. For more information, refer to [Knowledge Base Article 202695](#).

- Internet Explorer 7, 8, 9, and 10 are no longer supported for the Web Interface access. You can use the following Web browsers to access the Web Interface:
 - Internet Explorer 11
 - Google Chrome
 - Mozilla Firefox
 - Microsoft Edge on Windows 10
- Active Roles Web Interface is optimized for screen resolutions of 1280 x 800 or higher. The minimum supported screen resolution is 1024 x 768.

For more information, see [System requirements](#).

Enhancements

The following is a list of enhancements implemented in Active Roles 7.5.2.

Table 1: Active Roles Console enhancements

Enhancement	Issue ID
In the Active Roles Synchronization Service, the Azure AD Connector has been reworked to support Microsoft Graph API.	302258
Previously, Group Family Key comparison operations (such as group reevaluations) in scheduled tasks or manually performed operations had suboptimal performance when being performed on a large number of users and on different user properties. This has been enhanced, so that such comparisons are now faster when a large number of Group Families are affected.	300104
Previously, group reevaluation operations affecting a large number of Dynamic Groups had suboptimal performance. This has been enhanced to increase performance.	300512

Deprecated features

The following is a feature that is no longer supported starting with ARS 7.5.2.

Redistributable STS (rSTS) was a third party authentication component that you could use as an alternative to the default IIS Windows authentication, when logging in to the Active Roles Web Interface. You could configure the rSTS authentication method in the rSTS API

Admin Tool and the Active Roles Configuration Center. You also needed the rSTS API Admin Tool to configure Active Roles integration with Duo or Okta.

Starting from Active Roles 7.5.2, the rSTS authentication method and the rSTS API Admin Tool are no longer available and supported for new installations of Active Roles. The Active Roles documentation has been updated to reflect this change.

- To use Active Roles with Duo, contact One Identity Professional Services. For more information, see <https://support.oneidentity.com/active-roles/professional-services>.
- To use Active Roles integration with Okta, see *Appendix H: Active Roles Integration with Okta* in the *Active Roles Administration Guide*.

Resolved issues

The following is a list of issues addressed in this release.

Table 2: Resolved Issues – Active Roles Administration Service

Resolved issue	Issue ID
Previously, when importing a specific configuration, the Active Roles Administration Service was stuck at the getting ready phase because the <code>IsOnInitCommentedOut</code> function had an infinite loop when the script had more than one comment. The issue has been fixed.	287577

Table 3: Resolved Issues – Active Roles Configuration Center

Resolved issue	Issue ID
Previously, in the Active Roles Configuration Center during an upgrade, when navigating to Active Roles databases > Import Configuration to import the configuration database of an earlier Active Roles 7.x version to a newer Active Roles 7.x version, the following error could occur:	240451

```
[Error] [ArsBaseCommand.ProcessRecord]: Violation of UNIQUE KEY constraint 'UQ_APOs_distinguishedName'. Cannot insert duplicate key in object 'dbo.APOs'. The duplicate key value is (CN=Built-in Policy - Azure - Default Rules to Generate Properties,CN=Builtin,CN=Administration,CN=Policies,CN=Configuration). The statement has been terminated.
```

This error occurred if you changed the name of any built-in object, such as a policy, and then created a new built-in object with the same name, which caused the import configuration operation to fail.

Resolved issue	Issue ID
----------------	----------

The issue has been fixed: the import configuration operation finishes successfully even if there are built-in objects with the same name, and the error will be logged and displayed at the end instead of causing the operation to fail.

Previously, attempting to configure a new Active Roles Web Interface in the Active Roles Configuration Center from an existing 7.4.x configuration was not possible, as the previous Web Interface configuration did not appear in the list of configuration files.	297632
---	--------

This issue was caused by a version information update error, resulting in the existing Web Interface configuration accidentally filtered out by the Active Roles Configuration Center. This issue has been fixed in this release.

Table 4: Resolved Issues – Active Roles Console (MMC Interface)

Resolved issue	Issue ID
----------------	----------

Previously, in the Active Roles Console, using the <code>\$context.0365ImportModule("<moduleName>")</code> command in a workflow with the <code>azuread</code> or the <code>exchangeonlinemanagement</code> module resulted in a null reference exception instead of importing and connecting the modules using the stored credentials.	280567
---	--------

The issue has been fixed and now the `$context.0365ImportModule("<moduleName>")` command imports and connects the module successfully using the stored credentials.

Previously, in customer environments where database replication was configured, when a workflow approval was created in the Active Roles Console (MMC Interface), and the approval request was approved (via the Active Roles Self Service Web Interface) on a different Administration Service, the secondary approval activity in the workflow approval was bypassed and the request was completed.	251629
---	--------

The issue has been fixed and now the second level workflow approval is not bypassed anymore when the first approval is performed:

- On the publisher Active Roles instance when the modification which needs to be approved is done on the subscriber.
- On the subscriber Active Roles instance when the modification which needs to be approved is done on the publisher.

Previously, in the Active Roles Console (MMC Interface), using the <code>\$context.0365ImportModules</code> function in a script module inside a workflow did not work. Instead, you could import multiple modules at once by specifying a string array with the <code>\$context.0365ImportModule</code> function.	283192
--	--------

The issue has been fixed by changing the behavior of these functions as follows:

Resolved issue	Issue ID
----------------	----------

- Use the `$context.0365ImportModule` function to import a single Microsoft Azure or O365 PowerShell module. If you have multiple versions of the specified module installed, you can optionally specify the major version to import.
- Use the `$context.0365ImportModules` function to import multiple Microsoft Azure or O365 PowerShell modules at once by specifying them in an array.

Both functions support importing the following Azure and O365 Windows PowerShell modules:

- Azure Az
- AzureAD
- ExchangeOnlineManagement
- MicrosoftTeams PowerShell Module

Previously, the Active Roles Console did not list any Access Templates for Security Groups and Resource Mailboxes. This issue has been fixed, and the new Security Group and Resource Mailbox Access Templates are available under the Configuration > Access Templates > Azure node.	297763
--	--------

Table 5: Resolved Issues – Active Roles Installer

Resolved issue	Issue ID
Previously, the Active Roles Installer stopped with an error if users launched it without the required elevated permissions. This issue is now fixed, and the installer prompts users to restart it with elevated permissions to perform the installation.	298958

Table 6: Resolved Issues – Active Roles SPML Provider

Resolved issue	Issue ID
Previously, when the Active Roles SPML Provider was installed on a separate host from the Active Roles Administration Service, submitting a modification request using Constrained Delegation resulted in an <code>unsupportedOperation</code> error due to a <code>com_object</code> that the Active Roles SPML Provider could not cast properly. The issue has been fixed.	289838

Table 7: Resolved Issues – Active Roles Synchronization Service

Resolved issue	Issue ID
<p>Previously, in the Active Roles Synchronization Service, when you created or updated a connector with incorrect configuration (that is, you entered an incorrect username, password, and so on), you could not modify your settings later due to connection failure.</p> <p>The issue has been fixed and now if you create or update a connector with incorrect configuration, an error message appears with a Open and fix button, allowing you to fix the configuration.</p>	302092
<p>Previously, in the Active Roles Synchronization Service, if you configured a new mapping pair between Active Roles and a SCIM connector created in the Active Roles Synchronization Service Console that used the configuration of an Azure AD connector created in Starling Connect, running a full map caused the SCIM Connector to loop infinitely.</p> <p>The issue has been fixed and now mapping a SCIM connector which was created in Starling Connect with Active Roles does not cause the SCIM connector to loop infinitely.</p>	296338
<p>Previously, in the Active Roles Synchronization Service, you could save a connection with an incorrect username or password without any warning.</p> <p>The issue has been fixed and now if you try to save a connection with an incorrect username or password, Active Roles Synchronization Service will warn you to fix your settings.</p>	90712
<p>Previously, in the Active Roles Synchronization Service, when creating a new connection with the Oracle Database Connector, then creating another connection to Active Directory (AD) and configuring password synchronization, the Oracle Database Connector connection was listed as available for password synchronization.</p> <p>The issue has been fixed and now the Oracle Database Connector connection is not listed as available for password synchronization.</p>	301940
<p>Previously, in the Active Roles Synchronization Service, creating a new connection using the Oracle Database User Accounts Connector with any connection information or even blank values resulted in the following error: Value cannot be null. Parameter name: type.</p> <p>This error was caused by a case sensitivity issue when loading the assembly, and is now fixed.</p>	301941
<p>Previously, in the Active Roles Synchronization Service and Quick Connect, when synchronizing groups, both in case of Azure-to-Active Directory or Active Directory-to-Active Directory merge attempts, the merge rule on the members attribute ignored mapping and did not resolve object references.</p> <p>The issue has been fixed and now when synchronizing groups, the merge rule</p>	270758

Resolved issue	Issue ID
<p>on the members attribute handles members as references and not as string attributes (either DN in case of an on-prem Active Directory object, or Object ID in case of an Azure Active Directory object), so the merge rule does not overwrite DNs or Object IDs.</p>	
<p>An earlier fix in the Active Roles Synchronization Service included a different null result handling for scripts, causing issues.</p> <p>The issue has been fixed.</p>	286380
<p>Previously, in the Active Roles Synchronization Service, defining a mapping rule on the Microsoft Office 365 (O365) Connector failed due to the incorrect handling of invalid, corrupted or unrecognizable license files located in the connected O365 platform. Such license files can be the result of a broken Azure operation originating from an earlier version.</p> <p>The issue has been fixed and now invalid, corrupted or unrecognizable license files are ignored during the O365 Connector mapping operations.</p>	294905
<p>Attempting to define a mapping rule for the Microsoft Office 365 Connector results in an error if the Azure BackSync application does not have the minimum set of roles assigned.</p> <p>To solve this issue, the <i>Active Roles Synchronization Service Administration Guide</i> has been updated to clarify that the O365 Connector works only if the Azure BackSync application receives the minimum set of roles (namely, the Exchange Administrator and the Directory Writers roles) required for implementing automatic permission and role assignment in Active Roles Synchronization Service.</p>	296252
<p>Previously, configuring a Microsoft Office 365 Connector workflow returned a True value for all license attributes instead of individual values, even if just one license has been applied.</p> <p>This issue was caused by a license synchronization problem due to the incorrect processing of certain cmdlet calls, and has been fixed by ensuring that the O365 Connector returns the proper True or False values depending on whether the related service plan is enabled or disabled for a user within a specific license.</p>	297183

Table 8: Resolved Issues – Active Roles Web Interface

Resolved issue	Issue ID
<p>Previously, in the Active Roles Web Interface, after registering an Azure Tenant in the Active Roles Configuration Center, searching for a room mailbox in the global search bar did not return any room mailbox objects.</p> <p>The issue has been fixed and now you can search for room mailbox objects in the global search bar of the Active Roles Web Interface.</p>	301535

Resolved issue	Issue ID
<p>Previously, in the Active Roles Web Interface, after registering an Azure Tenant in the Active Roles Configuration Center, opening the User properties of any user took 4-5 seconds.</p> <p>The issue has been fixed and now opening the User properties takes the same amount of time both when the Azure Tenant is not registered and when it is registered.</p>	303259
<p>Previously, in the Active Roles Web Interface, you could only select users for email forwarding, while all other email-enabled objects, such as groups or contacts, were not available for email forwarding because searches only returned user objects.</p> <p>The issue has been fixed and now you can select any email-enabled object for email forwarding.</p>	299990
<p>Previously, in the Active Roles Web Interface, examining an approval task or approving group memberships without configuring Azure resulted in the following exception error:</p> <pre data-bbox="217 913 1241 1021">Can't execute custom entry method Get_Azure0365GroupMembers due following error: "Exception of type 'ActiveRoles.Web.ScriptServices.ScriptServiceException' was thrown."</pre> <p>This UI-related issue has been fixed.</p>	291961
<p>Previously, importing an Active Roles configuration with the Administration Service > Active Roles databases > Import configuration wizard of the Active Roles Configuration Center could result in an inconsistent Active Roles Web Interface configuration state if the Active Roles Web Interface had been previously configured with the Dashboard > Web Interface > Configure setting. This issue was caused by a discrepancy between the previously configured Active Roles Web Interface configuration and the imported Active Roles Web Interface configuration.</p> <p>The issue has been fixed and now importing an Active Roles Web Interface configuration will not result in a conflicted Active Roles Web Interface configuration state if the Active Roles Web Interface has already been configured in the Active Roles Configuration Center.</p>	275240
<p>Previously, there was a reflected cross-site scripting (XSS) vulnerability in the Active Roles Web Interface's internal redirect URL handling.</p> <p>The issue has been fixed, the XSS vulnerability is now removed, and all querystring inputs are sanitized correctly.</p>	284021

Known issues

The following is a list of issues known to exist at the time of release.

Table 9: General known issues

Known Issue	Issue ID
Activating the EnableAntiForgery key (<add key="EnableAntiForgery" value="true"/> in web.config) may cause the following error message:	91977

```
Session timeout due to inactivity. Please reload the page to continue.
```

Workaround

Update the **IgnoreValidation** key in the <appSettings> section by adding a property value in lowercase:

1. Open the IIS Manager.
2. In the left pane, under **Connections**, expand the tree view to **Sites > Default Web Site**.
3. Under **Default Web Site**, click on the Active Roles application (ARWebAdmin by default).
4. Double-click **Configuration Editor**.
5. From the **Section** drop-down, select **appSettings**.
6. Find the **IgnoreForValidation** key.
7. Append the comma-separated value to **IgnoreForValidation**, for example: **lowercasecontrolname**.
8. In the right pane, under **Actions**, click **Apply**.
9. Recycle the App pool.

Table 10: Known Issues – Active Roles Configuration Center

Known Issue	Issue ID
When configured for Group and Contacts, the Office 365 and Azure Tenant Selection policy displays additional tabs.	229031
Tenant selection supports selecting only a single tenant.	229030
In the Starling Connect Connection Settings link, clicking Next displays progress, but the functionality is not affected, so the button is not required.	126892

Table 11: Known Issues – Active Roles Console (MMC Interface)

Known Issue	Issue ID
Automation workflow with Office 365 script fails, if multiple workflows share the same script and the script is scheduled to execute at the same time. Workaround One Identity recommends scheduling the workflows with different scripts or at a different time.	200328
When a workflow is copied from built-in workflows, it may not be executed as expected.	153539
Azure Group Properties are not available if they are added to the Office 365 Portal or Hybrid Exchange Properties from the forwarding address attribute of Exchange online users.	98186
In Active Roles with the Office 365 Licenses Retention policy applied, after deprovisioning the Azure AD user, the Deprovisioning Results for the Office 365 Licenses Retention policy are not displayed in the same window. Workaround To view the Deprovisioning Results after deprovisioning the Azure AD user: <ul style="list-style-type: none"> • In Active Roles MMC Console, right-click and select Deprovisioning Results. • In the right pane of the Active Roles Web Interface, click Deprovisioning Results. • To refresh the form, press F5. 	91901

Table 12: Known Issues – Active Roles Installer

Known Issue	Issue ID
After upgrading Active Roles, the pending approval tasks are not displayed in the ARS Web Interface.	91933

Table 13: Known Issues – Active Roles Synchronization Service

Known Issue	Issue ID
In the Active Roles Synchronization Service, the following new attributes of the AzureAD Connector are currently not supported and cannot be queried via the Microsoft Graph API:	304074

Known Issue	Issue ID
-------------	----------

user	group
aboutMe	allowExternalSenders
birthday	autoSubscribeNewMembers
hireDate	hideFromAddressLists
interests	hideFromOutlookClients
mySite	isSubscribedByMail
officeLocation	unseenCount
pastProjects	acceptedSenders
preferredName	membersWithLicenseErrors
responsibilities	rejectedSenders
schools	hasMembersWithLicenseErrors
skills	
contacts	

This means that although these attributes are visible, they cannot be set in a mapping rule.

After running the <code>get-qcworkflowstatus</code> cmdlet in the Synchronization Service, the workflow status is not accurate.	125768
---	--------

Table 14: Known Issues – Active Roles Web Interface

Known Issue	Issue ID
In the Active Roles Web Interface, Azure roles are not restored automatically after performing an Undo Deprovision action on a user.	172655
Workaround	
After the Undo Deprovision action is completed, assign the Azure roles to the user manually.	
Active Roles does not support creating Azure groups for existing groups.	117015
Active Roles Web Interface does not support setting the Exchange Online Property of the ProhibitSendQuota value in Storage Quotas .	91905
In the Active Roles Web Interface, when you click Azure > Resource Mailboxes to query room mailboxes after being idle for approximately 15-20 minutes, the Active Roles Web Interface will not list any room mailboxes.	293380

Workaround

Restart the Administration Service.

Trying to reset the password of an Azure user in the Active Roles Web Interface returns the following error message:

293601

```
One or more errors occurred. Http Exception - Status Code Forbidden.  
Reason phrase Forbidden {"error":{"code":Authorization_  
RequestDenied},"message":"Insufficient privileges to complete the  
operation"}}
```

This error occurs because of a Microsoft Graph API-related issue, described in the [Authorization_RequestDenied error when you try to change a password using Graph API](#) article of the *Microsoft Azure Troubleshooting* documentation.

Workaround

To solve this problem, assign the **Company Administrator** Office 365 administrative role to Active Roles with the following PowerShell cmdlets:

```
Connect-MsolService  
$displayName = "ActiveRoles"  
$objectId = (Get-MsolServicePrincipal -SearchString $displayName).Ob-  
jectId  
$roleName = "Company Administrator"  
Add-MsolRoleMember -RoleName $roleName -RoleMemberType ServicePrin-  
cipal -RoleMemberObjectId $objectId
```

System requirements

Before installing Active Roles 7.5.2, ensure that your system meets the following minimum hardware and software requirements.

NOTE: When setting up a virtual environment, carefully consider the configuration aspects such as CPU, memory availability, I/O subsystem, and network infrastructure to ensure the virtual layer has the necessary resources available. Please consult [One Identity's Product Support Policies](#) for more information on environment virtualization.

Before installing Active Roles 7.5.2, ensure that your system meets the following minimum hardware and software requirements, and install the following required software:

NOTE: To run these PowerShell commands, use the 64-bit version of Windows PowerShell.

Requirement	Details
Exchange Online PowerShell V2 module 2.0.3	The Exchange Online PowerShell V2 module version 2.0.3 (or newer) must be installed on the computer(s) running the Administration Service. For installation instructions, see Install and maintain the EXO V2 module in the <i>Microsoft Azure Exchange PowerShell documentation</i> .
Azure AD PowerShell module	The latest version of the Azure Active Directory (AD) PowerShell module must be installed on the computer(s) running the Administration Service. For installation instructions, see Installing the Azure AD Module in the <i>Microsoft Azure PowerShell documentation</i> .
Azure Az PowerShell module 2.5.3	The Azure Az PowerShell module version 2.5.3 (or older) must be installed on the computer(s) running the Administration Service and the Synchronization Service. For installation instructions, see Install the Azure Az PowerShell module in the <i>Microsoft Azure PowerShell documentation</i> .
Microsoft Teams PowerShell module 2.3.1	The Microsoft Teams PowerShell version 2.3.1 must be installed on the computer running the Administration Service. For installation instructions, see Install Microsoft Teams PowerShell in the <i>Microsoft Teams documentation</i> .
SharePoint Online Management Shell - x64	The SharePoint Online Management Shell must be installed on the computer running the Administration Service. For installation instructions, see Get started with SharePoint Online Management Shell in the <i>Microsoft SharePoint PowerShell documentation</i> .

Active Roles includes the following components:

- [Administration Service requirements](#)
- [Web Interface requirements](#)
- [Console requirements](#)
- [Management Tools requirements](#)
- [Synchronization Service requirements](#)
 - [Synchronization Service Capture Agent](#)

This section lists the hardware and software requirements for installing and running each of these components.

Hardware requirements

Table 15: Hardware requirements

Requirement	Details
Processor	For Administration Service, Web

Requirement

Details

NOTE: The amount of processors required depends on the total number of managed objects. Depending on the size of the environment, the number of processors required may vary.

Interface, and Synchronization Service, any of the following:

- Intel 64 (EM64T)
- AMD64
- Minimum 2 processors
- Processor speed: 2.0 GHz or faster.

NOTE: For Synchronization Service, One Identity recommends using a multi-core processor for the best performance.

For Console and Management Tools, any of the following:

- Intel x86
- Intel 64 (EM64T)
- AMD64
- Processor speed: 1.0 GHz or faster.

Memory

NOTE: The amount of memory required depends on the total number of managed objects. Depending on the size of the environment, the amount of memory required may vary.

Administration Service:

A minimum of 4 GB of RAM.

Web Interface, Synchronization Service:

A minimum of 2 GB of RAM.

Console, Management Tools:

A minimum of 1 GB of RAM.

Hard disk space

Administration Service, Web Interface, Console, Management Tools:

A minimum of 100 MB of free disk space.

Synchronization Service:

A minimum of 250 MB of free disk space.

NOTE: If SQL Server and Synchronization Service are installed on the same computer, the amount required depends on the size of the Synchronization Service database.

Operating system

NOTE: Active Roles is not supported on Windows Server Core mode setup.

You can install any of the Active Roles components on a computer running:

- Microsoft Windows Server 2022,

Requirement	Details
	<p>Standard or Datacenter edition.</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2019, Standard or Datacenter edition. • Microsoft Windows Server 2016, Standard or Datacenter edition. <p>In addition, you can install Console and Management Tools on a computer running:</p> <ul style="list-style-type: none"> • Microsoft Windows 10, Professional or Enterprise edition, 32-bit (x86) or 64-bit (x64). • Microsoft Windows 8.1, Professional or Enterprise edition, 32-bit (x86) or 64-bit (x64).

Administration Service requirements

This section lists the system requirements of the Active Roles Administration Service.

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 16: Administration Service requirements

Requirement	Details
SQL Server	<p>You can host the Active Roles database on:</p> <ul style="list-style-type: none"> • Microsoft SQL Server 2019, any edition. • Microsoft SQL Server 2017, any edition. • Microsoft SQL Server 2016, any edition. • Microsoft SQL Server 2014, any edition, 32-bit (x86) or 64-bit (x64), with or without any Service Pack. • Microsoft SQL Server 2012, any edition, 32-bit (x86) or 64-bit (x64), with or without any Service Pack. • Microsoft OLE DB Driver for SQL Server (MSOLEDBSQL). <p>Active Roles also supports Azure SQL hosted database.</p>

Requirement	Details
Windows Management Framework	On all supported operating systems, the Active Roles Administration Service requires Windows Management Framework 5.1 (available for download here).
Operating system on domain controllers	<p>Active Roles retains all features and functions when managing Active Directory on domain controllers running any of these operating systems, any edition, with or without any Service Pack:</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2022 • Microsoft Windows Server 2019 • Microsoft Windows Server 2016 <p>Active Roles deprecates managed domains with the domain functional level lower than Windows Server 2008 R2. One Identity recommends that you raise the functional level of the domains managed by Active Roles to Windows Server 2008 R2 or higher.</p>
Exchange Server	<p>Active Roles is capable of managing Exchange recipients on:</p> <ul style="list-style-type: none"> • Microsoft Exchange Server 2019 • Microsoft Exchange Server 2016 • Microsoft Exchange Server 2013 <p>NOTE: Microsoft Exchange 2013 CU11 is no longer supported. For more information, see Knowledge Base Article 202695.</p>

Web Interface requirements

This section lists the system requirements of the Active Roles Web Interface.

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 17: Web Interface requirements

Requirement	Details
Internet Services	<p>On Windows Server 2016, Windows Server 2019, and Windows Server 2022, the Active Roles Web Interface requires the Web Server (IIS) server role with the following role services:</p> <ul style="list-style-type: none"> • Web Server/Common HTTP Features/ • Default Document

Requirement	Details
	<ul style="list-style-type: none"> • HTTP Errors • Static Content • HTTP Redirection • Web Server/Security/ • Request Filtering • Basic Authentication • Windows Authentication • Web Server/Application Development/ • .NET Extensibility • ASP • ASP.NET • ISAPI Extensions • ISAPI Filters • Management Tools/IIS 6 Management Compatibility/ • IIS 6 Metabase Compatibility <p>Internet Information Services (IIS) must be configured to provide Read/Write delegation for the following features:</p> <ul style="list-style-type: none"> • Handler Mappings • Modules • Use Feature Delegation in Internet Information Services (IIS) Manager to confirm that these features have their delegation set to Read/Write.
Web browser	<p>You can access Active Roles Web Interface using:</p> <ul style="list-style-type: none"> • Firefox 36 or newer on Windows. • Google Chrome 61 or newer on Windows. • Microsoft Edge 79 or newer (based on Chromium) on Windows 10. <p>You can use a later version of Firefox and Google Chrome to access the Active Roles Web Interface. However, the Active Roles Web Interface was tested only with the browser versions listed above.</p>
Minimum screen resolution	<p>The Active Roles Web Interface is optimized for screen resolutions of 1280 x 800 or higher. The minimum supported screen resolution is 1024 x 768.</p>

Console requirements

This section lists the system requirements of the Active Roles Console (MMC Interface).

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 18: Console (MMC Interface) requirements

Requirement	Details
Web browser	The Active Roles Console requires Microsoft Edge 79 or newer, based on Chromium.

Management Tools requirements

The Active Roles Management Tools is a composite component that includes the Active Roles Management Shell, ADSI Provider, and SDK. On a 64-bit (x64) system, the Active Roles Management Tools also include the Active Roles Configuration Center.

This section lists the system requirements of the Active Roles Management Tools.

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 19: Management Tools requirements

Requirement	Details
Windows Management Framework	On all supported operating systems, the Active Roles Management Tools require Windows Management Framework 5.1 (available for download here).
Remote Server Administration Tools (RSAT)	To manage Terminal Services user properties by using the Active Roles Management Shell, Management Tools require Remote Server Administration Tools (RSAT) for Active Directory. For more information on installing the RSAT version applicable to your operating system, see Remote Server Administration Tools (RSAT) for Windows in the <i>Microsoft Documentation</i> .

Synchronization Service requirements

This section lists the system requirements of the Active Roles Synchronization Service.

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 20: Synchronization Service requirements

Requirement	Details
SQL Server	<p>You can host the Active Roles Synchronization Service database on:</p> <ul style="list-style-type: none">• Microsoft SQL Server 2019, any edition.• Microsoft SQL Server 2017, any edition.• Microsoft SQL Server 2016, any edition.• Microsoft SQL Server 2014, any edition, 32-bit (x86) or 64-bit (x64), with or without any Service Pack.• Microsoft SQL Server 2012, any edition, 32-bit (x86) or 64-bit (x64), with or without any Service Pack. <p>NOTE: The Active Roles Synchronization Service does not support Azure SQL hosted database.</p>
Windows Management Framework	<p>On all supported operating systems, the Active Roles Synchronization Service requires Windows Management Framework 5.1 (available for download here).</p>
Supported connections	<p>The Active Roles Synchronization Service can connect to:</p> <ul style="list-style-type: none">• Microsoft Active Directory Domain Services with the domain or forest functional level of Windows Server 2016 or higher.• Microsoft Active Directory Lightweight Directory Services running on any Windows Server operating system supported by Microsoft.• Microsoft Exchange Server version 2019, 2016, or 2013. <p>NOTE: Microsoft Exchange 2013 CU11 is no longer supported. For more information, see Knowledge Base Article 202695.</p> <ul style="list-style-type: none">• Microsoft Lync Server version 2013 with limited support.• Microsoft Skype for Business 2019, 2016 or 2015.• Microsoft Windows Azure Active Directory using the Azure AD Graph API version 1.6.• Microsoft Office 365 directory.

Requirement	Details
	<ul style="list-style-type: none"> • Microsoft Exchange Online service. • Microsoft Skype for Business Online service. • Microsoft SharePoint Online service. • Microsoft SQL Server, any version supported by Microsoft. • Microsoft SharePoint 2019, 2016, or 2013. • Active Roles version 7.4.3, 7.4.1, 7.3, 7.2, 7.1, 7.0, and 6.9 • One Identity Manager version 7.0 (D1IM 7.0) • One Identity Manager version 8.0 • Support for Generic LDAP Connector, MySQL Connector, Open LDAP Connector, IBM Db2 Connector, Salesforce Connector, Service now Connector, and IBM RACF Connector. • Support for Oracle Database, Oracle Database User Accounts, Oracle Unified Directory, Micro Focus NetIQ Directory, and IBM AS/400 connectors. • Data sources accessible through an OLE DB provider • Delimited text files
Legacy Active Roles ADSI Provider	To connect to Active Roles version 6.9, see the Active Roles ADSI Provider of <i>Quick Start Guide</i> for the appropriate Active Roles version.
Azure AD Module for Windows PowerShell Version 2	To connect to the Office 365 directory, the Azure Active Directory Module for Windows PowerShell module must be installed on the computer running the Active Roles Synchronization Service.
Windows PowerShell Module for Skype for Business Online	To connect to the Skype for Business Online service, Windows PowerShell Module for Skype for Business Online, now included in Microsoft Teams PowerShell, must be installed on the computer running the Active Roles Synchronization Service. For installation instructions, see Install Microsoft Teams PowerShell in the <i>Microsoft Teams documentation</i> .
SharePoint Online Management Shell	To connect to the SharePoint Online service, SharePoint Online Management Shell must be installed on the computer running the Active Roles Synchronization Service (available for download here).
One Identity Manager API	To connect to One Identity Manager 7.0, One Identity Manager Connector must be installed on the computer running the Synchronization Service. This connector works with RESTful web service and SDK installation is not required.

Requirement	Details
Internet Connection	To connect to cloud directories or online services, the computer running the Active Roles Synchronization Service must have a reliable connection to the Internet.

Synchronization Service Capture Agent

This section lists the system requirements of the Active Roles Synchronization Service Capture Agent.

All Active Roles components require:

- Microsoft .NET Framework 4.7.2. For more information, see [Installing .NET Framework for developers](#) in the *Microsoft .NET documentation*.
- Visual C++ 2017 Redistributable.

Table 21: Synchronization Service Capture Agent requirements

Requirement	Details
Additional Requirements	<p>To synchronize passwords from an Active Directory domain to some other connected data system, you must install the Active Roles Synchronization Service Capture Agent on all domain controllers in the source Active Directory domain.</p> <p>The domain controllers on which you install the Active Roles Synchronization Service Capture Agent must run one of the following operating systems with or without any Service Pack (both x86 and x64 platforms are supported):</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2022 • Microsoft Windows Server 2019 • Microsoft Windows Server 2016 <p>For more information, see the <i>Active Roles Synchronization Service Administration Guide</i>.</p>

Product licensing

Use of this software is governed by the Software Transaction Agreement found at www.oneidentity.com/legal/sta.aspx. This software does not require an activation or license key to operate.

The product usage statistics can be used as a guide to show the scope and number of managed objects in Active Roles.

Upgrade and compatibility

CAUTION: You must run the Active Roles Setup in Administrator Mode. Failing to do so will result in Active Roles not starting up at all.

You can upgrade any 7.x version of Active Roles to Active Roles 7.5.2.

For instructions on how to upgrade from an earlier version of Active Roles, see the *Active Roles Quick Start Guide*.

NOTE: Consider the following before upgrading to a new version of Active Roles:

- Components of an earlier Active Roles version may not work with the components of the new version you are upgrading to.
- Custom solutions (scripts or other modifications) that rely on Active Roles features may fail to work after an upgrade due to compatibility issues. Therefore, before starting the upgrade, test your existing solutions with the new version of Active Roles in a lab environment to verify that your custom solutions will continue to work.

TIP: When upgrading to a new Active Roles version, One Identity recommends to upgrade the Active Roles Administration Service first, and the client components (Active Roles Console and Active Roles Web Interface) afterwards.

Upgrade and installation instructions

For instructions on how to upgrade from an earlier version of Active Roles or how to install and initially configure Active Roles, see the *Active Roles Quick Start Guide*.

For special considerations regarding the installation of Active Roles 7.5.2, see the following information.

Changes related to Azure tenants

NOTE: If your organization has any Azure tenants that are managed with Active Roles, you need to reauthenticate and regrant them after installing Active Roles 7.5.2. Otherwise, Active Roles will not receive the required permissions for managing existing Azure tenants, and tenant administration in Active Roles 7.5.2 will not work correctly. For more information, see *Reconfiguring Azure tenants during upgrade configuration* in the *Active Roles Quick Start Guide*.

Changes related to Active Roles Synchronization Service

NOTE: Active Roles 7.5 introduced support for Modern Authentication in Azure BackSync workflows of the Active Roles Synchronization Service. After upgrading to Active Roles 7.5 or 7.5.2 from an earlier version, if you previously had an Azure BackSync workflow configured, you will be prompted to reconfigure it in the *Active Roles Synchronization*

⚠ CAUTION: If you previously had an Azure BackSync workflow configured in Active Roles Synchronization Service, and you use more than one Azure Active Directory (Azure AD) service in your deployment, you must specify the Azure AD for which you want to configure Azure BackSync. Failure to do so may either result in directory objects not synchronized at all, or synchronized to unintended locations.

For more information on how to specify the Azure AD used for back-synchronization, see *Configuring automatic Azure BackSync in the Active Roles Synchronization Service Administration Guide*.

More resources

Additional information is available from the following resources:

- Online product documentation (<https://support.oneidentity.com/active-roles/>)
- Active Roles community (<https://www.oneidentity.com/community/active-roles>)

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. It supports simultaneous operation with multilingual data. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan.

About us

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

Contacting us

For sales and other inquiries, such as licensing, support, and renewals, visit <https://www.oneidentity.com/company/contact-us.aspx>.

Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at <https://support.oneidentity.com/>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to videos at www.YouTube.com/OneIdentity
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

Copyright 2022 One Identity LLC.

ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of One Identity LLC .

The information in this document is provided in connection with One Identity products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of One Identity LLC products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, ONE IDENTITY ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL ONE IDENTITY BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF ONE IDENTITY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. One Identity makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. One Identity does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

One Identity LLC.
Attn: LEGAL Dept
4 Polaris Way
Aliso Viejo, CA 92656

Refer to our Web site (<http://www.OneIdentity.com>) for regional and international office information.



Patents

One Identity is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <http://www.OneIdentity.com/legal/patents.aspx>.

Trademarks

One Identity and the One Identity logo are trademarks and registered trademarks of One Identity LLC. in the U.S.A. and other countries. For a complete list of One Identity trademarks, please visit our website at www.OneIdentity.com/legal. All other trademarks are the property of their respective owners.

Legend

-  **WARNING:** A WARNING icon highlights a potential risk of bodily injury or property damage, for which industry-standard safety precautions are advised. This icon is often associated with electrical hazards related to hardware.
-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

Third-party contributions

This product contains some third-party components (listed below). Copies of their licenses may be found at referencing <https://www.oneidentity.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <http://opensource.quest.com>.

Table 22: List of Third-Party Contributions

Component	License or Acknowledgment
Active Directory Authentication Library 3.13.1	Copyright (c) Microsoft Corporation. All rights reserved. Licensed under the MIT License (the "License"); Open Source Initiative OSI - The MIT License (MIT) 2012
ASP.NET Ajax 4.0	Microsoft Permissive License (Ms-PL) N/A
Bootstrap 3.2	MIT N/A
jquery 3.4.1	Copyright JS Foundation and other contributors, https://js.foundation/ The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. MIT N/A
JQuery UI 1.12.1	Copyright 2007, 2014 jQuery Foundation and other contributors, https://jquery.org/ MIT N/A
Microsoft AspNet WebApi 5.0.0	Microsoft .Net Framework 4.5
Microsoft Exchange Web Services (EWS) Managed API 2.2	Microsoft Exchange Web Services Managed API 2.2
Microsoft Unity 3.5	Apache 2.0
Microsoft.aspNet.SignalR.Core 2.3.0	MICROSOFT .NET LIBRARY 1.0
Microsoft.IdentityModel.Clients.ActiveDirectory 3.19.8	Copyright (c) Microsoft Corporation MIT N/A
Microsoft.IdentityModel.Logging 5.2.2	Copyright (c) Microsoft Corporation. All rights reserved. MIT N/A
Newtonsoft.Json 12.0.3	Copyright 2007 James Newton-King Copyright (c) James Newton-King 2008 Copyright (c) James Newton-King 2008

Component	License or Acknowledgment
	MIT Template 2020
NLog 3.1	<p>Copyright (c) 2004-2011 Jaroslaw Kowalski jaak@jkowalski.net</p> <p>Redistributions of source code must retain the above copyright notice.</p> <p>Redistributions in binary form must reproduce the above copyright notice.</p> <p>BSD - Kowalski 2011</p>
WCF Data Services 5.8.4	<p>Copyright (c) 2018 Microsoft. All rights reserved.</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>MICROSOFT WCF DATA SERVICES N/A</p>

Open Source Initiative OSI - The MIT License (MIT) 2012

Copyright <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE 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.

MIT AngleSharp 0.16.00

License URL is on this page: https://www.nuget.org/packages/AngleSharp/0.16.0?_src=template

SPDX identifier

MIT

License text

MIT License _____

Permission is hereby granted, free of charge, to any person obtaining a copy of _____ (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL _____ BE 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.

Microsoft Permissive License (Ms-PL) N/A

Microsoft AJAX Library

Microsoft Permissive License (Ms-PL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law.

A "contribution" is the original software, or any additions or changes to the software.

A "contributor" is any person that distributes its contribution under this license.

"Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

(F) If you distribute the software or derivative works with programs you develop, you agree to indemnify, defend, and hold harmless all contributors from any claims, including attorneys' fees, related to the distribution or use of your programs. For clarity, you have no such obligations to a contributor for any claims based solely on the unmodified contributions of that contributor.

(G) If you make any additions or changes to the original software, you may only distribute them under a new namespace. In addition, you will clearly identify your changes or additions as your own.

MIT Template 2020

Copyright <YEAR> <COPYRIGHT HOLDER>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE 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.

MIT N/A

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE 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.

Component Art Web.UI Suite Enterprise License N/A

Please review the following license agreement before installing or using the Web.UI suite, any individual ComponentArt software component or other software product, and/or all related materials. If you agree to the terms herein then you must click the "YES" button during the software installation process as confirmation before you are permitted to use this software and related documents.

Definitions:

This ComponentArt Inc. End-User Software License Agreement ("EULA") is a legal agreement between you (either as an individual user, corporation or single entity) and ComponentArt Inc. ("ComponentArt") for the Web.UI suite or individual software product - which includes computer software, and may include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT" or "SOFTWARE"). By exercising your rights to install the SOFTWARE PRODUCT, you agree to be bound by the terms of this End User License Agreement ("EULA"), including the limitations and warranty disclaimers. If you do NOT agree to the terms of this EULA, you may not install nor use the SOFTWARE PRODUCT; If this is the case, please uninstall the SOFTWARE PRODUCT from your system immediately, and destroy all copies of the SOFTWARE PRODUCT and all of its component parts, source code, associated documentation, and related materials.

SOFTWARE PRODUCT LICENSE:

The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties.

1. GRANT OF LICENSE.

This is a license agreement, and NOT an agreement for sale. ComponentArt retains ownership of the copy of THE SOFTWARE in your possession, and all copies you may be licensed to make. ComponentArt retains all rights not expressly granted to you in this LICENSE. ComponentArt hereby grants to you, and you accept, a non-exclusive, non-transferable license to use, copy and modify THE SOFTWARE only as authorized below.

Provided that you have accepted these terms contained herein by clicking the "YES" button at the end of this Agreement, this EULA grants you the following rights:

Installation and Use:

DEVELOPER LICENSE: For single-version licenses, you are granted a license as a single developer (individual) to the particular licensed version of the SOFTWARE PRODUCT. For subscription-based licenses, you are granted a license as a single developer (individual) to all versions of the particular product released during the period of the subscription.

For the version(s) you are licensed for, you are granted a license as a single individual to distribute the SOFTWARE PRODUCT royalty-free with an unlimited number of different solutions to an unlimited number of web servers, provided they are developed solely by you. The term "different solutions" is understood to mean non-identical, non-"shrink-wrapped" applications to be resold or re-licensed by you. You may not distribute the product with more than 10 copies of an identical or similarly-functioning ("shrink-

wrapped") solution or application. For royalty-free distribution of more than 10 identical or similarly-functioning copies of a solution or application, you must purchase a subscription-level license or higher, and are required to modify the SOFTWARE PRODUCT code as per ComponentArt's instructions.

At no time may the SOFTWARE PRODUCT be used by more than one individual at the same time for development purposes -- nor may the SOFTWARE PRODUCT be distributed for use with applications other than those developed by you.

For subscription-based licenses, you are further licensed as a single individual to distribute the SOFTWARE PRODUCT royalty-free with an unlimited number of solutions or applications to an unlimited number of web servers, provided they are developed solely by you. This includes royalty-free distribution of multiple copies of identical or similarly-functioning ("shrink-wrapped") solutions or applications. For royalty-free distribution of more than 10 identical or similarly-functioning copies of a solution or application, you are required to modify the SOFTWARE PRODUCT code as per ComponentArt's instructions to ensure it cannot be re-used for any purpose outside of your distributed application.

For subscription-based licenses, you are also further licensed to view the source code to the SOFTWARE PRODUCT or part thereof, as permitted by the licensor, and modify it for your own needs. You may only re-distribute the source code as part of a compiled solution that adds significant functionality to THE SOFTWARE PRODUCT, and may not redistribute it in non-compiled form.

For Developer and Subscription-based licenses, you are required to reasonably ensure that the SOFTWARE PRODUCT is not reused by or with any application other than those with which you distribute it. For example, if you install the Menu for ASP.NET control along with a packaged application on a customer's server, that customer is not permitted to use the control independent of your application, and must be informed as such.

CORPORATE SITE LICENSE: You are granted a license for all developers/individuals who are part an entire single collective entity, organization, enterprise, or corporation AT A SINGLE PHYSICAL LOCATION - or up to ten (10) developers/individuals AT SEPARATE PHYSICAL LOCATIONS who are still part of a single collective entity, organization, enterprise or corporation - to all versions of the particular product released during the period of the Corporate Site License subscription.

For the version(s) you are licensed for, you are granted a license to distribute the SOFTWARE PRODUCT royalty-free with an unlimited number of solutions or applications to an unlimited number of web servers, provided they are developed solely within the single organization. The SOFTWARE PRODUCT may be used by an unlimited (or limited, as defined above) number of individuals employed by or belonging to the single organization, at the same time, for development purposes -- and the SOFTWARE PRODUCT may be distributed for use with an unlimited number of applications developed by the collective entity, organization, enterprise or corporation. This includes royalty-free distribution of multiple copies of identical or similarly-functioning ("shrink-wrapped") solutions or applications.

For applications distributed outside of the licensed organization, you are required to reasonably ensure that the SOFTWARE PRODUCT is not reused by or with any application other than those with which you distribute it. For example, if you install the Menu for ASP.NET control along with a packaged application on a customer's server, that customer is not permitted to use the control independent of your application, and must be informed as such.

For royalty-free distribution of more than 10 identical or similarly-functioning copies of a solution or application, you are required to modify the SOFTWARE PRODUCT code as per ComponentArt's instructions to ensure it cannot be re-used for any purpose outside of your distributed application.

You are further licensed to view the source code to the SOFTWARE PRODUCT or part thereof, as permitted by the licensor, and modify it for your own needs. You may only re-distribute the source code as part of a compiled solution that adds significant functionality to THE SOFTWARE PRODUCT, and may not redistribute it in non-compiled form.

FOR ALL LICENSES: In no case shall you rent, lease, lend, redistribute nor re-license THE SOFTWARE PRODUCT or any related source code to a 3rd party individual or entity, except as outlined above. In no case shall you grant further redistribution rights for THE SOFTWARE PRODUCT to the end-users of your solution.

UNDER NO CIRCUMSTANCES MAY THE SOURCE CODE OR THE COMPILED PRODUCT BE USED AS THE BASIS FOR CREATING A PRODUCT THAT CONTAINS THE SAME, OR SUBSTANTIALLY THE SAME, FUNCTIONALITY AS ANY COMPONENTART INC. PRODUCT.

2. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

MICROSOFT OFFICE 2007 USER INTERFACE: Some code and examples included with the ComponentArt Web.UI software mimic the look and behaviour of the interface introduced in the 2007 release of Microsoft Office. ComponentArt has officially licensed this UI from Microsoft for use in the Web.UI product line. Developers and organizations using Web.UI who wish to create their own products that utilize the Microsoft Office UI must similarly obtain a license from Microsoft. Detailed information on this licensing program is available at <http://msdn.microsoft.com/officeui>.

TERMINATION: Without prejudice to any other rights, ComponentArt Inc. may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the SOFTWARE PRODUCT and all of its component parts, source code, associated documentation, and related materials.

3. COPYRIGHT.

All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images, photographs, animations, video, audio, music, text, and "applets" incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by ComponentArt Inc. The SOFTWARE PRODUCT is protected by Canadian and U.S. copyright laws and international treaty provisions. Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material.

4. LIMITED WARRANTY.

NO WARRANTIES. ComponentArt Inc. expressly disclaims any warranty for the SOFTWARE PRODUCT. The SOFTWARE PRODUCT and any related documentation is provided "as is" without warranty of any kind, either expressed or implied, including, without limitation, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. The entire risk arising out of use or performance of the SOFTWARE PRODUCT remains with you.

5. LIMITATION OF LIABILITY.

NO LIABILITY FOR CONSEQUENTIAL DAMAGES. In no event shall ComponentArt Inc. or its distributors be liable for any damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other

pecuniary loss) arising out of the use of or inability to use this ComponentArt Inc. product (THE SOFTWARE PRODUCT) and related materials, even if ComponentArt Inc. has been advised of the possibility of such damages. Because some states do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

If you have any questions regarding this End User License Agreement, please write to:

ComponentArt Inc.

511 King Street West, Suite 400

Toronto, Ontario M5V 1K4

Canada

Microsoft .Net Framework 4.5

MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS

.NET FRAMEWORK 4.5 FOR MICROSOFT WINDOWS OPERATING SYSTEM AND ASSOCIATED LANGUAGE PACKS

Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. If you are licensed to use Microsoft Windows operating system software (the "software"), you may use this supplement. You may not use it if you do not have a license for the software. You may use this supplement with each validly licensed copy of the software.

The following license terms describe additional use terms for this supplement. These terms and the license terms for the software apply to your use of the supplement. If there is a conflict, these supplemental license terms apply.

By using this supplement, you accept these terms. If you do not accept them, do not use this supplement.

If you comply with these license terms, you have the rights below.

1. **DISTRIBUTABLE CODE.** The supplement is comprised of Distributable Code. "Distributable Code" is code that you are permitted to distribute in programs you develop if you comply with the terms below.

a. **Right to Use and Distribute.**

- You may copy and distribute the object code form of the supplement.
- **Third Party Distribution.** You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

b. **Distribution Requirements.** For any Distributable Code you distribute, you must

- add significant primary functionality to it in your programs;
- for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your program;
- distribute Distributable Code included in a setup program only as part of that setup program without modification;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;

- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

c. Distribution Restrictions. You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Distributable Code to run on a platform other than the Windows platform;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
- the code be disclosed or distributed in source code form; or
- others have the right to modify it.

2. SUPPORT SERVICES FOR SUPPLEMENT. Microsoft provides support services for this software as described at www.support.microsoft.com/common/international.aspx.

3. MICROSOFT .NET FRAMEWORK BENCHMARK TESTING. The software includes one or more components of the .NET Framework (.NET Components). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>.

Microsoft Exchange Web Services Managed API 2.2

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT EXCHANGE WEB SERVICES MANAGED API 2.0

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and You. Please read them. They apply to the software named above, which includes the media on which You received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

BY INSTALLING, ACCESSING OR OTHERWISE USING THE SOFTWARE, YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE AGREEMENT, DO NOT INSTALL, ACCESS OR USE THE SOFTWARE.

YOU MAY USE THE SOFTWARE SOLELY IN PROGRAMS DEVELOPED BY YOU THAT INTEROPERATE WITH MICROSOFT EXCHANGE SERVER (REFERRED TO AS "AUTHORIZED PROGRAMS").

If You comply with these license terms, You have the rights below.

1. INSTALLATION AND USE. You may install and use any number of copies of the software on Your devices solely to design, develop and test Authorized Programs.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. Distributable Code. The software contains code that You are permitted to include in Authorized Programs if You comply with the terms below.

i. Right to Use and Distribute. The code and text files listed below are "Distributable Code."

- REDIST.TXT Files. You may copy and distribute the object code form of code listed in REDIST.TXT files.
- Redistribution. You may permit the distributors of Authorized Programs to copy and distribute the Distributable Code as part of those programs.

ii. Distribution Requirements. For any Distributable Code You distribute, You must

- add significant primary functionality to it in Authorized Programs;
- for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your program;
- distribute Distributable Code included in a setup program only as part of that setup program without modification;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display Your valid copyright notice on Authorized Programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of Authorized Programs.

iii. Distribution Restrictions. You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in Your programs' names or in a way that suggests Your programs come from or are endorsed by Microsoft;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify, distribute or convey any Distributable Code so that the Distributable Code or any application to which it links, or of which it is a part, becomes subject to an Excluded License. An Excluded License is any other license that requires, as a condition of use, modification, distribution or conveyance that,
 - the code be disclosed or distributed in source code form; or
 - others have the right to modify or create derivative works of it.

3. INTERNET-BASED SERVICES. Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

4. **SCOPE OF LICENSE.** You may only use the software in Authorized Programs. The software is licensed, not sold. This agreement only gives You some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives You more rights despite this limitation, You may use the software only as expressly permitted in this agreement. You may not:

- work around any explicit instructions in the software that limit or restrict their use;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- use the software in any way that intentionally harms services provided by Microsoft or impairs anyone else's use of such services;
- use the software to try to gain unauthorized access to any service, data, account or network by any means;
- make more copies of the software than reasonably necessary for You to exercise Your rights under this agreement;
- publish the software for others to copy;
- rent, lease or lend the software or
- publish the software as a hosted service without adding significant primary functionality to them in Authorized Programs.

5. **TRANSFER TO A THIRD PARTY.** The first user of the software may transfer them and this agreement directly to a third party. Before the transfer, that party must agree that this agreement applies to the transfer and use of the software. The first user must uninstall the software before transferring them separately from the device. The first user may not retain any copies.

6. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

7. **SUPPORT.** Microsoft is not obligated to provide any technical or other support under this agreement ("Support Services") for the software to You. However, if Microsoft chooses to provide any Support Services to You, Your use of such Support Services will be governed by then-current Microsoft policies (i.e. terms separate from this agreement). With respect to any technical or other information You provide to Microsoft in connection with the Support Services, You agree that Microsoft has an unrestricted right to use such information for its business purposes, including for product support and development. Microsoft will not use such information in a form that personally identifies You.

8. **RESERVATION OF RIGHTS.** Except for the licenses expressly granted under this license, Microsoft and its suppliers retain all right, title and interest in and to the software, and all intellectual property rights therein. You are not authorized to alter, modify, copy, edit, format, create derivative works of or otherwise use any materials, content or technology provided under this license except as explicitly provided in this license or approved in advance in writing by Microsoft.

9. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and Support Services that You use, are the entire agreement with respect to the software.

10. APPLICABLE LAW.

a. United States. If You acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where You live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. Outside the United States. If You acquired the software in any other country, the laws of that country apply.

11. LEGAL EFFECT. This agreement describes certain legal rights. You may have other rights under the laws of Your country. You may also have rights with respect to the party from whom You acquired the software. This agreement does not change Your rights under the laws of Your country if the laws of Your country do not permit it to do so.

12. DISCLAIMER OF WARRANTY. The software is licensed "as-is." You bear the risk of using them. Microsoft gives no express warranties, guarantees or conditions. You may have additional consumer rights under Your local laws which this agreement cannot change. To the extent permitted under Your local laws, Microsoft excludes the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

13. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. You can recover from Microsoft and its suppliers only direct damages up to U.S. \$5.00. You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages.

This limitation applies to:

- anything related to the software, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to You because Your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Apache 2.0

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or

management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or

counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution.

You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks.

This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty.

Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS

FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability.

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability.

While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

MICROSOFT .NET LIBRARY 1.0

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT .NET LIBRARY

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE PERPETUAL RIGHTS BELOW.

1. INSTALLATION AND USE RIGHTS.

a. Installation and Use. You may install and use any number of copies of the software to design, develop and test your programs.

b. Third Party Programs. The software may include third party programs that Microsoft, not the third party, licenses to you under this agreement. Notices, if any, for the third party program are included for your information only.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. DISTRIBUTABLE CODE. The software is comprised of Distributable Code. "Distributable Code" is code that you are permitted to distribute in programs you develop if you comply with the terms below.

i. Right to Use and Distribute.

- You may copy and distribute the object code form of the software.
- Third Party Distribution. You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. Distribution Requirements. For any Distributable Code you distribute, you must

- add significant primary functionality to it in your programs;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

iii. Distribution Restrictions. You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
- the code be disclosed or distributed in source code form; or
- others have the right to modify it.

3. SCOPE OF LICENSE. The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- publish the software for others to copy;
- rent, lease or lend the software;

- transfer the software or this agreement to any third party; or
- use the software for commercial software hosting services.

4. **BACKUP COPY.** You may make one backup copy of the software. You may use it only to reinstall the software.

5. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

6. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

7. **SUPPORT SERVICES.** Because this software is "as is," we may not provide support services for it.

8. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

9. **APPLICABLE LAW.**

a. **United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. **Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

10. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

11. **DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS OR STATUTORY GUARANTEES UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.**

FOR AUSTRALIA – YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS.

12. **LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.**

This limitation applies to

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Please note: As this software is distributed in Quebec, Canada, some of the clauses in this agreement are provided below in French.

Remarque : Ce logiciel étant distribué au Québec, Canada, certaines des clauses dans ce contrat sont fournies ci-dessous en français.

EXONÉRATION DE GARANTIE. Le logiciel visé par une licence est offert « tel quel ». Toute utilisation de ce logiciel est à votre seule risque et péril. Microsoft n'accorde aucune autre garantie expresse. Vous pouvez bénéficier de droits additionnels en vertu du droit local sur la protection des consommateurs, que ce contrat ne peut modifier. La ou elles sont permises par le droit locale, les garanties implicites de qualité marchande, d'adéquation à un usage particulier et d'absence de contrefaçon sont exclues.

LIMITATION DES DOMMAGES-INTÉRÊTS ET EXCLUSION DE RESPONSABILITÉ POUR LES DOMMAGES. Vous pouvez obtenir de Microsoft et de ses fournisseurs une indemnisation en cas de dommages directs uniquement à hauteur de 5,00 \$ US. Vous ne pouvez prétendre à aucune indemnisation pour les autres dommages, y compris les dommages spéciaux, indirects ou accessoires et pertes de bénéfices.

Cette limitation concerne :

- tout ce qui est relié au logiciel, aux services ou au contenu (y compris le code) figurant sur des sites Internet tiers ou dans des programmes tiers ; et
- les réclamations au titre de violation de contrat ou de garantie, ou au titre de responsabilité stricte, de négligence ou d'une autre faute dans la limite autorisée par la loi en vigueur.

Elle s'applique également, même si Microsoft connaissait ou devrait connaître l'éventualité d'un tel dommage. Si votre pays n'autorise pas l'exclusion ou la limitation de responsabilité pour les dommages indirects, accessoires ou de quelque nature que ce soit, il se peut que la limitation ou l'exclusion ci-dessus ne s'appliquera pas à votre égard.

EFFET JURIDIQUE. Le présent contrat décrit certains droits juridiques. Vous pourriez avoir d'autres droits prévus par les lois de votre pays. Le présent contrat ne modifie pas les droits que vous confèrent les lois de votre pays si celles-ci ne le permettent pas.

MS-.NET-Library-JS License N/A

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT .NET LIBRARY

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE PERPETUAL RIGHTS BELOW.

1. INSTALLATION AND USE RIGHTS.

a. Installation and Use. You may install and use any number of copies of the software to design, develop and test your programs. You may modify, copy, distribute or deploy any .js files contained in the software as part of your programs.

b. Third Party Programs. The software may include third party programs that Microsoft, not the third party, licenses to you under this agreement. Notices, if any, for the third party program are included for your information only.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. DISTRIBUTABLE CODE. In addition to the .js files described above, the software is comprised of Distributable Code. "Distributable Code" is code that you are permitted to distribute in programs you develop if you comply with the terms below.

i. Right to Use and Distribute.

- You may copy and distribute the object code form of the software.
- Third Party Distribution. You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. Distribution Requirements. For any Distributable Code you distribute, you must

- use the Distributable Code in your programs and not as a standalone distribution;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

iii. Distribution Restrictions. You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as

a condition of use, modification or distribution, that

- the code be disclosed or distributed in source code form; or
- others have the right to modify it.

3. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- publish the software for others to copy;
- rent, lease or lend the software; or
- transfer the software or this agreement to any third party.

4. **BACKUP COPY.** You may make one backup copy of the software. You may use it only to reinstall the software.

5. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

6. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

7. **SUPPORT SERVICES.** Because this software is "as is," we may not provide support services for it.

8. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

9. **APPLICABLE LAW.**

a. **United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. **Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

10. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

11. **DISCLAIMER OF WARRANTY.** THE SOFTWARE IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS OR STATUTORY

GUARANTEES UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

FOR AUSTRALIA – YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS.

12. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Please note: As this software is distributed in Quebec, Canada, some of the clauses in this agreement are provided below in French.

Remarque : Ce logiciel étant distribué au Québec, Canada, certaines des clauses dans ce contrat sont fournies ci-dessous en français.

EXONÉRATION DE GARANTIE. Le logiciel visé par une licence est offert « tel quel ». Toute utilisation de ce logiciel est à votre seule risque et péril. Microsoft n'accorde aucune autre garantie expresse. Vous pouvez bénéficier de droits additionnels en vertu du droit local sur la protection des consommateurs, que ce contrat ne peut modifier. La ou elles sont permises par le droit locale, les garanties implicites de qualité marchande, d'adéquation à un usage particulier et d'absence de contrefaçon sont exclues.

LIMITATION DES DOMMAGES-INTÉRÊTS ET EXCLUSION DE RESPONSABILITÉ POUR LES DOMMAGES. Vous pouvez obtenir de Microsoft et de ses fournisseurs une indemnisation en cas de dommages directs uniquement à hauteur de 5,00 \$ US. Vous ne pouvez prétendre à aucune indemnisation pour les autres dommages, y compris les dommages spéciaux, indirects ou accessoires et pertes de bénéfices.

Cette limitation concerne :

- tout ce qui est relié au logiciel, aux services ou au contenu (y compris le code) figurant sur des sites Internet tiers ou dans des programmes tiers ; et
- les réclamations au titre de violation de contrat ou de garantie, ou au titre de responsabilité stricte, de négligence ou d'une autre faute dans la limite autorisée par la loi en vigueur.

Elle s'applique également, même si Microsoft connaissait ou devrait connaître l'éventualité d'un tel dommage. Si votre pays n'autorise pas l'exclusion ou la limitation de responsabilité

pour les dommages indirects, accessoires ou de quelque nature que ce soit, il se peut que la limitation ou l'exclusion ci-dessus ne s'appliquera pas à votre égard.

EFFET JURIDIQUE. Le présent contrat décrit certains droits juridiques. Vous pourriez avoir d'autres droits prévus par les lois de votre pays. Le présent contrat ne modifie pas les droits que vous confèrent les lois de votre pays si celles-ci ne le permettent pas.

BSD - Kowalski 2011

Copyright (c) 2004-2011 Jaroslaw Kowalski <jaak@jkowalski.net> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of Jaroslaw Kowalski nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

MICROSOFT WCF DATA SERVICES N/A

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT WCF DATA SERVICES

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

By using the software, you accept these terms. If you do not accept them, do not use the software.

If you comply with these license terms, you have the perpetual rights below.

1. **INSTALLATION AND USE RIGHTS.** You may install and use any number of copies of the software on your devices.

2. **ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.**

a. **Distributable Code.** The software contains code that you are permitted to distribute in programs you develop if you comply with the terms below.

i. **Right to Use and Distribute.** The code and text files listed below are "Distributable Code."

- **REDIST.TXT Files.** You may copy and distribute the object code form of code listed in REDIST.TXT files.
- **Third Party Distribution.** You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. **Distribution Requirements.** For any Distributable Code you distribute, you must

- add significant primary functionality to it in your programs;
- for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your program;
- distribute Distributable Code included in a setup program only as part of that setup program without modification;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

iii. **Distribution Restrictions.** You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Distributable Code to run on a platform other than the Windows platform;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
 - the code be disclosed or distributed in source code form; or
 - others have the right to modify it.

3. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly

permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
- publish the software for others to copy;
- rent, lease or lend the software; or
- use the software for commercial software hosting services.

4. **BACKUP COPY.** You may make one backup copy of the software. You may use it only to reinstall the software.

5. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

6. **TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it and this agreement directly to a third party. Before the transfer, that party must agree that this agreement applies to the transfer and use of the software. The first user must uninstall the software before transferring it separately from the device. The first user may not retain any copies.

7. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

8. **SUPPORT SERVICES.** Because this software is "as is," we may not provide support services for it.

9. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

10. **APPLICABLE LAW.**

a. **United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. **Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

11. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

12. **DISCLAIMER OF WARRANTY.** The software is licensed "as-is." You bear the risk of using it. Microsoft gives no express warranties, guarantees or conditions. You may have additional consumer rights or statutory guarantees under your local laws which this

agreement cannot change. To the extent permitted under your local laws, Microsoft excludes the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

FOR AUSTRALIA – You have statutory guarantees under the Australian Consumer Law and nothing in these terms is intended to affect those rights.

13. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. You can recover from Microsoft and its suppliers only direct damages up to U.S. \$5.00. You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages.

This limitation applies to

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.