

Quest® Archive Manager 5.4

Release Notes

February 2018

These release notes provide information about the Quest® Archive Manager release.

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About this release

Archive Manager is a complete email archiving software solution that enables you to capture, retain, and use advanced search, discover and explore your email system. Through Archive Manager, a single instance of each email message is captured and granular retention and disposition policies are applied, ensuring efficient and effective email archiving.

Archive Manager 5.4 is a minor release, with new features and functionality. See [New features](#).

New features

New features in Archive Manager 5.4:

- **Website optimization:**
 - **New page design:** The Email Search form, the Message View and Attachment View pages, etc.
 - **Reduced page load time:** To reduce the page load time in the case of a lot of mailboxes, a Show More link will be provided under the mailbox lists (in the sidebar, and the one shown when you select Other Folder for search scope). You can also search for a mailbox or a folder (for the Other Folder list only) with a mini search box above the list.
- **Bulk tagging/copy/remove messages in search results:**

- **Bulk tagging:** Allows to add tags to multiple or all messages.
- **Bulk copy:** Allows to copy multiple or all messages to a Custom Mailbox folder.
- **Bulk remove:** Allows to remove multiple or all messages from a Custom Mailbox folder.
- **Search for messages by multiple tags.**
- **Introduced Advanced Search with new search options:**
 - **“Not Contains”:** Allows to search for messages that have NOT been sent to or received from a particular person or persons.
 - **“Exclude Cc and Bcc for To and To/From”:** Allows to search for messages that are received from the person(s) only as a primary recipient.
 - **“No attachments”:** Allows to search for messages without containing any attachments.
 - **“One or more attachments”:** Allows to search for messages with one or more attachments, or the attachment itself.
- **Enhanced the ADC service.** A new setting “Directory Connector Scan O365 Mailbox From On Premises” has been introduced to create mailboxes for the following accounts:
 - Accounts migrated from on-premises to Office 365.
 - Accounts synchronized from Office 365 to on-premises.
- **New Exchange Servers supported by OWA Reconstruction Tool:**
 - Exchange Server 2016
 - Exchange Server 2013
- **Rebranded to Quest.** Archive Manager has been rebranded as a Quest product.
- **New platforms supported:**
 - Exchange Server 2016 CU8
 - Exchange Server 2016 CU7
 - Exchange Server 2013 CU19
 - Exchange Server 2013 CU18
 - Exchange Server 2010 SP3 RU19
 - Novell GroupWise 2014 R2 SP2
 - Novell GroupWise 2014 R2 SP1
 - NetIQ eDirectory 9.0 SP3
 - NetIQ eDirectory 9.0 SP2
 - Windows Server 2016
 - SQL Server 2017
 - SQL Server 2012 SP4
- **New browsers supported:**
 - Safari running on mobile devices
 - Android browsers
- **New prerequisite:** .NET Framework 4.5.2

See also:

- [Resolved issues](#)

Resolved issues

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

Table 1. General resolved issues

Resolved issue	Issue ID
The user was redirected to an external URL when clicking attachment on the ViewMessage page.	718347
Several paragraphs in the message were found missing when sent by Send to Me.	714609
The FTI service crashed and the system.AccessViolationException occurred on MIMEHelper.GetMimeFromStream.	713351
An exception (NullReferenceException) occurred while coping messages to a custom mailbox.	711645
RetentionEngineUpgradeBatch51 got arithmetic overflow error.	710894
An exception was thrown when searching with the option "All Users" selected.	671917
An exception IX_TEMP_MailBoxAddress_Address was thrown by JRDL.	670481
Cannot show recent journal messages in searches due to the crash of JRDL process.	667341
Cannot open the embedded message with no sender and recipients in a message.	667340
The right side of a message was missing when printed using IE 11.	652659
Content was missing from a printed message in the case of a very long word in the subject or body.	646942
Error occurred after setting an Archive Manager URL to an Outlook folder.	637872
The website would throw null reference exception when the message subject is null.	637479
Exception occurred when replying a message containing <> in the body from a mobile device.	632832
Formatting was not restored correctly when replying or forwarding messages on website.	630303
Failed to open a message in a different instance after a federated search.	628850
The alert service cannot be edited successfully from a non Archive Manager server in the case of Authentication mode.	621137
Failed to access the website from a child domain through Windows Authentication.	619838
A server error occurred while opening a message.	613656
Cannot select a mailbox with the mailbox name such as o:mm.	604217
Error occurred after setting an Archive Manager URL to an Outlook 2013 folder.	603156
Cannot display all the pictures in the message exported as HTML using Search Exporter.	601341
Cannot find any results when searching without checking the body checkbox.	597561
Exception occurred when clicking View Images in a message.	593118
Error occurred on the Index Dashboard.	505603
The group user cannot access the mailbox or folders on website.	501658
Exception occurred when selecting multiple messages and choosing open in the context menu.	494294
The View Message would throw Null Reference Exception when appointment has invalid value.	484011
Cannot clean up temp files.	482681
Exchange Utility cannot work with the configuration "Autodiscover Use External Mailbox Server".	474340
Improve default handling for attachment type in website.	470747
BusinessLayer PathRef should not write to C:\Windows\Temp.	469601
The regular expression for stripping remote content from message body works slowly on large bodies.	463279
API did not allow creation of PST mailboxes.	455354
The rich text editor control renders incorrectly with a particular message.	453381
The deleted partition ranges were taken into account by alert service queries.	446825
Unicode character mailbox searching was not working correctly.	445891

Table 1. General resolved issues

Resolved issue	Issue ID
ADC should not use non-deterministic method for finding resource forest linked accounts.	423644
Tags search tab should be highlighted when selected.	422063
OWA stub reconstruction created duplicates content.	414434
Cannot localize the date format in search results.	413931
Incorrect menu highlighting in administration reports.	399071
Website login page error occurred when opened in Outlook 2013.	383452
Exchange Utility cannot work with the configuration "Autodiscover Override Settings".	380783
Forms-authenticated users were prompted for Windows authentication when timeout or not logged in.	371251
ADC did not populate email address to login table when the link mailbox name was not same as the login user name in user/resource forest environment.	363928
Error occurred when deselecting a checkbox in Exchange Utility.	359290
Website unresponsive during ToggleViewImages Regex operation.	357657
Exception was thrown when the image reference file does not exist.	342310
Invalid image reference in HTML email caused error page.	340997
FTI age-based rollover of empty partition was broken.	339676
Failed to log in to the website for the first time.	339497
Website failed to render HTML Email with CSS.	339441
Sending non-message items from website resulted in empty body.	331898
ESM failed to process corrupted message.	321934
Formatting issues caused by sending message from website.	319848
The navigation panel on the left (where the mailboxes are) needs to be resizable.	285092
Messages with embedded images forwarded from the website have broken image placeholders.	271863
Allow Search Exporter (and other client tools) to run without UAC elevated permissions.	265213
ConnectionString error occurred when removing associated email addresses.	263310
Saved Search was broken after applying federated search exporter hotfix.	262619
Attachment report incorrectly created a search log for attached messages.	260237
Items were deleted incorrectly from a virtual mailbox.	259272
Duplicate attachments were found in search results.	247685
PopulateVirtualMailboxes should only populate non-deleted mailboxes.	235576
The attachments were not taken into account by the message size.	232708
Error occurred while uninstalling Archive Retrieve.	225416
The message window cannot perform POSTBACK operations when message body contains INPUT of name __VIEWSTATE.	218073
The Alert Service Editor page cannot save "Less Than" condition for alert query builder.	216607
Temporary MAPI profiles were not cleaned up by ESM.	204732
HTML messages with CSS may change message window.	202563

Known issues

The following is a list of issues, including those issues attributed to third-party products, known to exist at the time of release.

Table 2. Installer known issues

Known issue	Issue ID
The installation cannot be performed as the ArchiveMgr_Service user.	222623

Table 3. Client tools known issues

Known issue	Issue ID
IPM.TaskRequest items exported to PST by the Search Exporter can't be opened by Outlook from the PST. These items can be opened by copying the items into your Exchange Mailbox.	63703
The Exchange Utility performance is expected to be slower when used with Exchange 2010, as it will run in single-threaded mode with this mail server to avoid MAPI instabilities.	56776
To avoid caching old data, which in turn causes unexpected behavior in the Archive Retrieve Configuration Editor, change a setting in Internet Explorer (while signed in to the BES system as the same user as the "service account" user): <ul style="list-style-type: none">Tools Internet Options Browsing History Settings Check for newer versions of stored pages: "Update Always"	51191

System requirements

Before installing or upgrading to Archive Manager 5.4, ensure that your system meets the following minimum hardware and software requirements.

Hardware requirements

For a complete list of hardware requirements, please refer to the *Archive Manager Installation and Configuration Guide for Exchange or GroupWise*.

Supported platforms

Table 4. Supported platforms

Requirement	Details
Microsoft SQL Server, 32-bit or 64-bit version, Enterprise or Standard edition, any of the following:	<ul style="list-style-type: none">• 2017• 2016 SP1• 2016• 2014 SP2• 2014 SP1• 2014• 2012 SP4• 2012 SP3• 2012 SP2• 2012 SP1• 2012• 2008 R2 SP3• 2008 R2 SP2• 2008 R2 SP1• 2008 R2• 2008 SP4• 2008 SP3• 2008 SP2 <p>NOTE: Make sure the compatibility level setting in your SQL Server is not lower than SQL Server 2008.</p>
Archive Manager Server Operating System	<ul style="list-style-type: none">• Windows Server 2016• Windows Server 2012 R2• Windows Server 2012• Windows Server 2008 R2 SP1 or RTM• Windows Server 2008 SP2, 64-bit version

Table 4. Supported platforms

Requirement	Details
Browser Versions	<ul style="list-style-type: none"> • Microsoft Internet Explorer 11, 10, or 9 When using enhanced security on any server-based operating system, the Archive Manager Website must be added to the list of trusted sites to work correctly. • Microsoft Edge • Firefox (latest version) running on Windows or Macintosh. • Chrome (latest version) running on Windows or Macintosh. • Safari running on Macintosh or mobile devices. • Android browsers
External Storage	<ul style="list-style-type: none"> • File System • NetApp SnapLock 7.2.4 • EMC Centera 4.2.1, 4.2, 4.1, 4.0, 3.1.4 • EMC Atmos 2.0 • Caringo CAStor 6.5.4 • BridgeHead HT FileStore with HDR 2.2-20, build 23007 • IBM DR-550 version 5.4.1 (Version 5, Release 4, Level 1)

Table 5. Exchange messaging system

Requirement	Details
Microsoft Exchange, any of:	<ul style="list-style-type: none"> • 2016 CU1 - CU8 • 2016 • Office 365 On-Premises via Exchange Journaling • 2013 CU1 - CU19 • 2013 • 2010 SP3 RU5 - RU19 • 2007 SP3 RU13 - RU23 (will be deprecated in the next release)
Active Directory Services	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 • Windows Server 2003

i | **NOTE:** For the MAPI Journal Data Loader, the data loader service user account must have **Receive As** and **View Information Store Status permissions** to the mail store that contains the journal mailbox.

Table 6. Lync server system

Requirement	Details
Microsoft Skype/Lync, any of:	<ul style="list-style-type: none"> • Skype for business 2015 • Lync 2013 • Lync 2010

Table 7. GroupWise messaging system

Requirement	Details
Novell GroupWise, any of:	<ul style="list-style-type: none"> • 2014 R2 SP2 • 2014 R2 SP1 • 2014 R2 • 2014 SP2 • 2014 SP1 • 2014 • 2012 SP4 • 2012 SP3 • 2012 SP2 • 2012 SP1 • 2012 • 8.0.3 HP4 • 8.0.3 HP3 • 8.0.3 • 8.0.2
NetIQ eDirectory Services	<p data-bbox="587 949 1369 1032">NOTE: Archive Manager is not certified for use with clustered GroupWise host systems configured for parallel processing, load balancing, or fault tolerance.</p> <ul style="list-style-type: none"> • 9.0, 9.0 SP1, 9.0 SP2, 9.0 SP3 on supported platforms • 8.8 SP8, SP7, SP6 on supported platforms • 8.7.3 on supported platforms

Table 8. Prerequisites

Requirement	Details
Prerequisites for servers running Archive Manager services	<ul style="list-style-type: none"> • Microsoft .NET Framework 3.5 SP1 must be pre-installed (before running the installer) • Supported Archive Manager Server Operating System version. Please verify that your mail system requirements are supported on the desired operating system. • Visual C++ 2012 Redistributable for Visual Studio 2012 Update 4: vc_redist_x86.exe • Visual C++ 2010 SP1 Redistributable Package: vc_redist_x86.exe • Visual C++ 2008 SP1 Redistributable Package: vc_redist_x86.exe • Microsoft .NET Framework 4.5.2 • SQL Native Client (sqlncli.msi). SQL Native Client 2005 is required. SQL Native Client 2008 is not supported. <p>To enable text-string searches and indexing of file attachments: You must install iFilters for the file types you want to search and index.</p> <ul style="list-style-type: none"> • Microsoft offers a free pack of iFilters for its Office 2010 file types at http://www.microsoft.com/en-us/download/details.aspx?id=17062, (link current as of this release). SP2 can be applied via Windows Update or downloaded at http://support.microsoft.com/kb/2687447. This Filter Pack includes iFilters for the following formats: .docx, .docm, .pptx, .pptm, .xlsx, .xlsm, .xlsb, .zip, .one, .vdx, .vsd, .vss, .vst, .vdx, .vsx, and .vtx. • iFilters for earlier-version Office file extensions (.doc, .rtf, .xls, .ppt, etc.), and for .txt, .htm and .html files, are installed with Microsoft Windows, and so should already reside on the Archive Manager server. You can verify their installation, and track and manage your iFilters generally, with a third-party iFilter browser; several are available at little or no cost from independent vendors. • Adobe bundles a copy of its PDF 32-bit iFilter with its free Adobe Reader 11 software, and offers a free PDF iFilter 64 11.0.01 as a separate download. It is recommended that you use Adobe version 11 PDF iFilters, or FoxIt iFilters. • Installing Adobe Reader X uninstalls PDF iFilters, which then need to be reinstalled. For additional information, see www.adobe.com.
Prerequisites for servers running Archive Manager websites	<ul style="list-style-type: none"> • Microsoft Internet Information Services (IIS) version 8.5, 8.0, 7.5, or 7.0. Certain role services are required to be manually selected and installed on the web server in order for the Archive Manager Website to run correctly. These roles include: Common HTTP Features; Static Content; ASP.net; ASP; Basic Authentication; Windows Authentication; IIS Management Tools and Scripts; and IIS Management Console. • Microsoft ASP.NET (component of Windows, any supported Windows version). The API web service endpoint can be configured to use Windows Authentication or Anonymous Authentication. When using Anonymous Authentication, the web service application performs security checks and authenticates the client using Basic Authentication (plain text user password authentication). When using Windows Authentication, IIS handles the authentication and provides the web service application with a confirmation of the authentication attempt.

Table 8. Prerequisites

Requirement	Details
Archive Manager rights and permissions	<ul style="list-style-type: none">• Administrator Account: The account you are logged in with when you run the Archive Manager Install program.<ul style="list-style-type: none">• The user who runs the installer must be an administrator over the local computer, as well as on the SQL Server and the GroupWise Server.• The account you specify during the installation must have the same permissions.• Service Account: (default account name is ArchiveMgr_Service): Specified in the Configuration Console. Used by the Directory Connector, Alert Service, Full-Text Index, Full-Text Search and Message Retention Services.<ul style="list-style-type: none">• Account is granted full access to the Archive Manager and AfterMail_TEMP databases by the installer.• Requires read access to AD, and to the Exchange Organization so it can determine Storage Group information.• Must be in the Users group on the local machine, and a member of the local IIS_WPG group on the Web Servers. This is typically done by the installer.• Is a member of ArchiveManagerServiceUsers group.• ArchiveManagerServiceUsers Group: A Domain Group containing the -Service account.<ul style="list-style-type: none">• Group is used by installer to apply permissions to file-system locations used by Archive Manager.

Table 8. Prerequisites

Requirement	Details
Prerequisites for servers running the Exchange Store Manager Service	<ul style="list-style-type: none">• Supported Exchange versions• MAPI support for Exchange 2016:<ul style="list-style-type: none">• Microsoft Outlook 2013 (32-bit)• MAPI support for Exchange 2013, 2010, or 2007:<ul style="list-style-type: none">• Microsoft Outlook 2013 (32-bit), or• Microsoft Exchange Server MAPI/CDO 1.2.1: 6.5.8320.0 <p>NOTE: For the Exchange Store Manager (ESM), the service user account must have Receive As and View Information Store Status permissions to the mail store from which the ESM will export mailboxes.</p> <p>NOTE: For the MAPI Journal Data Loader, the data loader service user account must have Receive As and View Information Store Status permissions to the mail store that contains the journal mailbox.</p> <p>NOTE: In a parent/child domain configuration, if you are installing Archive Manager in the child domain, you must create two accounts: an Exchange Store Manager account in the child domain for the Archive Manager installation, and another Exchange Store Manager account in the parent domain.</p>

Table 8. Prerequisites

Requirement	Details
Prerequisites for servers running GroupWise services	<p>Novell clients:</p> <ul style="list-style-type: none">• Novell Client 2 SP4 for Windows Server 2008 R2 & 2012, or• Novell Client 2 SP3 for Windows Server 2008 R2 & 2012, or• Novell Client 2 SP2 for Windows Server 2008 & 2008 R2, or• Novell Client 2 SP1 for Windows Server 2008 R2, or• Novell Client 2 SP1 for Windows Server 2008 <p>GroupWise clients:</p> <p>The client version must match the server version. For example, if you are using GroupWise Server 2012, you must use GroupWise Client 12.0.0.</p> <ul style="list-style-type: none">• 14.2.x• 14.0.x• 12.0.x• 8.0.x <p>GroupWise Store Manager (GSM):</p> <ul style="list-style-type: none">• MAPI CDO and SQL Native Client are required for any GSM installation, and for TNEF. TNEF allows messages from Exchange-based mail systems to be processed with rich content, such as meeting invites.• It is recommended that GSM run under a separate account than all of the other Archive Manager services. <p>NOTE: Archive Manager is not certified for use with clustered GroupWise host systems configured for parallel processing, load balancing, or fault tolerance.</p> <p>NOTE: Archive Manager will only archive objects (Users, Resources and Groups) that are associated with E-Directory.</p> <p>NOTE: File read, write and execute permissions are required for access to the wpdomain.db file and other associated files and folders.</p> <p>NOTE: Supervisor-level permission is required for the Novell tree.</p>

Table 9. Client workstation

Requirement	Details
Stubbed message reconstruction using the Outlook Form requires the following:	<ul style="list-style-type: none"> • Microsoft Outlook 2016, 64-bit or 32-bit, running on Windows 10, 8.1, 8, or 7 SP1, or • Microsoft Outlook 2013, 64-bit or 32-bit, running on Windows 10, 8.1, 8, or 7, or • Microsoft Outlook 2010, 64-bit or 32-bit, running on Windows 8, 7, or Vista SP1, or • Microsoft Outlook 2007 (SP3, SP2, or SP1), 32-bit, running on Windows 8, 7, or Vista <p>NOTE: Outlook 2007 will be deprecated in the next release.</p>
The Offline Client requires the following:	<ul style="list-style-type: none"> • Microsoft Outlook 2016, 64-bit or 32-bit, running on Windows 10, 8.1, 8, or 7 SP1, or • Microsoft Outlook 2013, 64-bit or 32-bit, running on Windows 10, 8.1, 8, or 7, or • Microsoft Outlook 2010, 64-bit or 32-bit, running on Windows 8, 7, or Vista SP1, or • Microsoft Outlook 2007 (SP3, SP2, or SP1), 32-bit, running on Windows 8, 7, or Vista, and <p>NOTE: Outlook 2007 will be deprecated in the next release.</p> <ul style="list-style-type: none"> • Windows Installer 3.1 or later (only for installation). • Microsoft .NET Framework Version 4.5.2 and 3.5 SP1. • Microsoft SQL Server Compact 4.0 • Visual Studio 2010 Tools for Office Runtime • MSXML 6.0 SP1
The Search Exporter requires the following:	<ul style="list-style-type: none"> • Microsoft Outlook 2016, 32-bit only, running on Windows 10, 8.1, 8, or 7 SP1, or • Microsoft Outlook 2013, 32-bit only, running on Windows 10, 8.1, 8, or 7, or • Microsoft Outlook 2010, 32-bit only, running on Windows 8, 7, or Vista SP1, or • Microsoft Outlook 2007 (SP3, SP2, or SP1), 32-bit, running on Windows 8, 7, Vista, and <p>NOTE: Outlook 2007 will be deprecated in the next release.</p> <ul style="list-style-type: none"> • Windows Installer 3.1 or later (only for installation). • Microsoft .NET Framework Version 4.5.2 and 3.5 SP1.

Upgrade and compatibility

Upgrades are supported from version 5.0.x to 5.4.

Product licensing

Your Archive Manager license can be activated from the **License** screen of the Administration Console.

On the **License** screen, click **Browse** to locate your license and **Install** to install it. You can overwrite an existing license by entering a new license and installing it. Once a valid license is installed, the following information is displayed:

- **Type:** The type of license purchased.
- **Expires:** The expiration date of the license.
- **Seats Licensed:** The number of seats available from the license.
- **Seats Used:** The number of seats currently used.

License information can also be viewed at any time by clicking the Help icon and selecting the **Licenses** tab.

If you are upgrading from Archive Manager 4.8 or earlier, you will need to exchange your license for an upgraded version. You can complete this automatically by going to <http://license.quest.com/upgrade> to upgrade to new license.

Upgrade and installation instructions

For upgrade and installation instructions, please refer to the *Archive Manager Installation and Configuration Guide for Exchange or GroupWise*.

More resources

Additional information is available from the following:

- Online product documentation (<https://support.quest.com/archive-manager/technical-documents>)
- Quest community (<https://www.quest.com/Community>)

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

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece—you—to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit www.quest.com/contact.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.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.
- Engage in community discussions.
- Chat with support engineers online.
- View services to assist you with your product.

Third-party contributions

This product contains the following third-party components. For third-party license information, go to <https://www.quest.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <https://opensource.quest.com>.

Table 10. List of third-party contributions

Component	License or acknowledgment
AJAX Control TookKit 4.1.60501	Copyright © 2009 CodePlex Foundation License: New BSD
Angular.js 1.2.12	Copyright © 2010-2014 Google, Inc. License: MIT
Angular.js 1.3.18	Copyright © 2010-2014 Google, Inc. License: MIT
Angular Local Storage 0.4.0	gregory <greg@gregpike.ca> License: MIT
angular.mock 1.3.18	Copyright © 2010-2014 Google, Inc. License: MIT
angular-placeholder 1.1.0	Copyright © 2013 Monospaced License: MIT
angular-resource 1.3.18	Copyright © 2010-2014 Google, Inc. License: MIT
AngularUI Router 0.3.1	Copyright © 2013-2015 The AngularUI Team, Karsten Sperling License: MIT
ATL Server Library 9.0.70425	Copyright © Microsoft Corporation. All rights reserved. License: Microsoft Limited Permissive License (Ms-LPL)
Backbone.js 1.0.0	Copyright © 2009-2012 Jeremy Ashkenas, DocumentCloud Inc. License: MIT
background-size-polyfill 0.2.0	Copyright © 2012-2013 Louis-Rémi Babé License: MIT
Bootstrap 3.3.5	Copyright © 2011-2015 Twitter, Inc. License: MIT
C3 0.4.11	Copyright © Masayuki Tanaka 2014 License: MIT
Caringo CASor SDK 1.3.2	Copyright © Caringo 2010 License: BSD
CFileVersionInfo 1	Copyright © 2003 Armen Hakobyan License: Code Project Open License (CPOL) 1.0.2
D3 3.5.17	Copyright © 2017 Mike Bostock. License: BSD
EasyByte RTM-2-HTML 8.0	Copyright © EasyByte Software Ltd 2008 License: EasyByte RTF-2HTML v8 1.0
EasyMail .Net Edition 8.0	Copyright © 2003-2004 Quiksoft Corporation. All rights reserved. License: EasyMail .Net Edition Software License Agreement 052305.0
EMC Centera API 3.1	Copyright © 2006 EMC Corporation. All Rights Reserved License: EMC Development Kit 1.0

Table 10. List of third-party contributions

Component	License or acknowledgment
Font Awesome 4.7.0	Dave Gandy License : Font: SIL OFL 1.1, CSS: MIT
HTML Agility Pack 1.3.1.0	Copyright © 2003-2005 Simon Mourier License : Creative Commons 2.5
HTML-to-RTF Pro DLL .Net 4.5.7.21	SautinSoft, Maxim Sautin, 2002-2011 License : SautinSoft 7-20-2011
Infragistics NetAdvantage for .NET 10.2	Copyright © Infragistics, Inc. 2010 License : Infragistics NetAdvantage for .NET 2010 Vol 2 May 2011
jCarousel 0.2.8	Copyright © 2006 Jan Sorgalla License : MIT
jQuery 1.4.2	Copyright © 2010, John Resig License : MIT
jQuery 1.5.1	Copyright © 2011, John Resig License : MIT
jQuery 1.8.2	Copyright © 2012 jQuery Foundation and Other Contributors License : MIT
jQuery 1.11.1	Copyright © 2005, 2014 jQuery Foundation, Inc. and other contributors License : MIT
jQuery 3.1.0	Copyright © jQuery Foundation and other contributors License : MIT
jQuery UI 1.8.12	Copyright © 2011 AUTHORS.txt License : MIT
jQuery UI 1.10.3	Copyright © 2013 jQuery Foundation and other contributors License : MIT
jQuery-Placeholder 2.0.7	Copyright © Mathias Bynens License : MIT
jquery.qtip 1.0.0-rc3	Copyright © 2009 Craig Thompson License : MIT
Json.NET 4.5	Copyright © 2007 James Newton-King License : MIT
Log4Net 1.2.10	Copyright © 2004-2011 The Apache Software Foundation License : Apache 2.0
Lucene.net 2.9.2	Copyright © 2006 The Apache Software Foundation License : Apache 2.0
MD5 1.0	Copyright © 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved License : RSA MD5C.C 1991-2 Portions derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm
MAPI33.Net 5	Copyright © 2003 - 2005 Sergey Golovkin License : MAPI33.Net 1
Modernizr 2.8.3	Copyright © Faruk, Paul, Alex, Ryan, Patrick, Stu, and Richard. License : MIT & BSD

Table 10. List of third-party contributions

Component	License or acknowledgment
moment.js 2.14.1	Copyright © Tim Wood, Iskren Chernev, Moment.js contributors License: MIT
moment-timezone.js 0.5.13	Copyright © JS Foundation and other contributors License: MIT
mutationobserver-shim 0.3.1	Copyright © Graeme Yeates License: MIT
NetApp Data ONTAP 4.0	Copyright © 2003-2005 Network Appliance, Inc. License: NetApp Manageability SDK 04-29-11
Novell GroupWise Trusted Application API 1.0	Copyright © 1993-2003 Novell, Inc. All rights reserved. License: Novell Developer License
Polyfill.js 0.1.0	Copyright © 2013 Philip Walton License: MIT
Pure 0.6.0	Copyright © 2014 Yahoo! Inc. License: BSD
Rangy 1.3.0	Copyright © 2015, Tim Down License: MIT
RegistryMonitor 1.0	Copyright © 2005 Thomas Freudenberg License: Thomas Freudenberg RegistryMonitor
RestSharp 104.1	Copyright © 2010 John Sheehan License: Apache 2.0
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