

Quest® Security Explorer® 9.9.1

Release Notes

March 2023

These release notes provide information about the Quest® Security Explorer® release.

Topics:

- [About this release](#)
- [Supported platforms](#)
- [New features](#)
- [Enhancements](#)
- [Resolved issues](#)
- [Known issues](#)
- [System requirements](#)
- [Product licensing](#)
- [Upgrade and installation instructions](#)
- [More resources](#)
- [Globalization](#)
- [About us](#)

About this release

Security Explorer® provides a single console for managing access controls, permissions, and security across Microsoft platforms that span multiple servers. The product provides a broad array of security enhancements including the ability to identify who has rights to resources across the entire organization. It also provides the ability to grant, revoke, clone, modify, and overwrite permissions quickly and from a central location.

Unlike native tools, Security Explorer provides the ability to back up and restore permissions only, ensuring the integrity of data. To help meet auditing requirements, Security Explorer provides convenient reports that can be generated at your convenience. Lastly, the product's cleanup capabilities address common post-migration security issues.

Security Explorer 9.9.1 is a minor release, with enhanced features and functionality. See [New features](#) and [Enhancements](#).

Supported platforms

Table 1. Supported platforms for Security Explorer®

| Security Explorer Module | Supported Platform |
|--------------------------|--|
| NTFS Security | Windows 8.1 |
| Share Security | Windows 10 |
| Registry Security | Windows Server 2012 |
| Printer Security | Windows Server 2012 R2 |
| Service Security | Windows Server 2016 |
| Task Management | Windows Server 2019 |
| Group & User Management | |
| NTFS Security | Dell™ Fluid File System (FluidFS) |
| Share Security | EMC® Isilon® |
| Group & User Management | EMC Celerra® EMC VNX® NetApp® 8.2 (7-Mode and Clustered Mode) NetApp 8.3, 9.0, 9.1, 9.2, 9.3, and 9.4 Clusters |
| | NOTE: If Security Explorer is installed on a device with Windows Server 2012 or higher, EMC Celerra is not supported. The workaround is to disable Server Message Block version 2 (SMBv2) and enable Server Message Block version 1 (SMBv1). |
| | To disable SMBv2 and enable SMBv1 |
| | <ol style="list-style-type: none">1 Use the following commands: <pre>sc config lanmanworkstation depend= browser/mrxsmb10/lsi sc config mrxsmb20 start= disabled</pre>2 Restart the computer. For more information, see https://support.microsoft.com/kb/2696547?wa=wsignin1.0 |
| | NOTE: vsadmin must be entered in NAS credentials dlg for full management of NetApp Clusters 8.2, 8.3, 9.0, 9.1, 9.2, 9.3 and 9.4. |
| | NOTE: NetApp 8.2.7-Mode is not supported on Windows 10. |
| | NOTE: For NetApp Clustered Mode, to see changes after a permission action, such as Grant, Revoke, or Modify, on folders and shares, you must refresh the tree in the Navigation pane. |
| | NOTE: Security Explorer supports only default NetApp vFiler units. Additional vFiler units are not supported. |
| | NOTE: Security Explorer supports CIFS volumes. Mixed CIFS/UNIX volumes are supported if the volume root owner is a Windows account. |
| | NOTE: If Security Explorer is running as a user who is not Domain Administrator, that user must be added to local Administrators group on NAS devices. |

Table 1. Supported platforms for Security Explorer®

| Security Explorer Module | Supported Platform |
|---------------------------------|--|
| SQL Security | SQL Server® 2019 SQL Server 2019 Reporting Services SQL Server 2017 SQL Server 2017 Reporting Services SQL Server 2016 SQL Server 2014 SQL Server 2012 |
| SharePoint Security | SharePoint® 2019 SharePoint 2016 SharePoint 2013 SharePoint 2010 SharePoint Foundation |
| Exchange Security | Exchange 2019 Exchange 2016 Exchange 2013 Exchange 2010 |
| Active Directory Security | Windows Server® 2019 Functional Level Windows Server 2016 Functional Level Windows Server 2012 R2 Functional Level Windows Server 2012 Functional Level |

New features

New features in Security Explorer 9.9.1:

- Creation of a scheduler to restore the Securities.
- SharePoint and Exchange Modules can be hidden from Security Explorer.
- Comparison of backup files and listing of differences

See also:

- [Enhancements](#)
- [Resolved issues](#)

Enhancements

The following is a list of enhancements implemented in Security Explorer® 9.9.1.

Table 2. General enhancements

| Enhancement | Issue ID |
|---|-----------------|
| Two backup files can be compared to observe any differences in them | 259901 |
| Importing a computer list using text file (.txt/.csv) for a Share Security Search is now supported | 293450 |
| Now, the protected folders can be found and fixed (optional) by setting the permission inheritance flag at a folder root/branch | 322007 |

Table 2. General enhancements

| Enhancement | Issue ID |
|---|-----------------|
| Added better messaging in the solution to point to the issue and the solution to address the Access explorer Indexing issue | 323599 |
| Protected folders are enhanced to support the repair inheritance (overwrite and remove duplicates) | 374463 |

Resolved issues

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

Table 3. General resolved issues

| Resolved issue | Issue ID |
|--|-----------------|
| Fixed permissions issue for Deleted Accounts that removed Valid Groups | 229490 |
| Clicking "Export" or "Save" in preview report dialog crashes the application if the "Auto-Close progress dialog on completed" is checked | 211429 |
| Export task runs successfully but report fails to be sent over email ID and shared folder. | 228667 |
| Cannot update the SACL option for the backup scheduler task | 204225 |
| Fixed an issue with search that refreshed the search condition panel in absence of any search parameters/scope | 205390 |
| Error is shown when opening the SP, SQL, Exchange and AD reports. | 109097 |
| Fixed an issue with Update permission for AD object that resulted in disabled permission option | 124819 |
| Computer favorites are not updated after changing computer list between different modules | 12115 |
| Reload Current Path (No Progress) doesn't work as intended | 204705 |
| Attempting to grant user permissions throws an error | 253660 |
| NTFS Search shows unnecessary search parameters and value in report | 12126 |
| Permission takeover issue with NTFS module for a folder having two sets of permission | 25533 |
| In NTFS Module, the restore security option refreshes the backup file structure | 25403 |
| In NTFS module, conditions are not shown in print dialog box for permissions | 12174 |

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 4. General known issues

| Known issue | Issue ID |
|--|-----------------|
| PowerShell CmdLets & CmdUtils: impossible to Grant/Revoke/Clone for short names of accounts in another domain. | 12162 |
| Cannot grant/modify deny permissions when the user has no permissions and is not an owner. | 12171 |
| The Security Explorer context menu does not allow managing multiple folders and files. | 12180 |

Table 4. General known issues

| Known issue | Issue ID |
|---|----------|
| Modifying one permission for a user with two ACEs sometimes incorrectly removes the other. | 12183 |
| Cannot grant NTFS permissions to a user or group from a one-way trusted domain with selective authentication enabled. | 201337 |
| Workaround: Add user credentials to Windows Credential Manager for all domain controllers in the trusted domain. | |

Table 5. Exchange Security module known issues

| Known issue | Issue ID |
|---|----------|
| It is impossible to create a mailbox as a new user if Exchange 2013 in mode: Active Directory split permission security model to the Exchange organization. | 12141 |
| It is impossible to restore Exchange permissions if they were backed up in previous versions of Security Explorer. | 13550 |

Table 6. Access Explorer known issues

| Known issue | Issue ID |
|---|----------|
| Impossible to use SQL credentials when setting up the database. | 12122 |

System requirements

Before installing or upgrading Security Explorer 9.9.1, ensure that your system meets the following minimum hardware and software requirements.

i | **IMPORTANT:** The minimum system requirements listed are for the computer on which Security Explorer® is installed.

- [Hardware requirements](#)
- [Software requirements](#)
- [User privilege requirements](#)
- [Minimum permissions for Access Explorer](#)
- [Minimum requirements for Microsoft Exchange for Security Explorer](#)
- [Permission requirements to manage Microsoft Exchange in Security Explorer](#)
- [Upgrade and compatibility](#)

Hardware requirements

Table 7. Hardware requirements

| Requirement | Details |
|-------------|---------------------------|
| Processor | Pentium® 600MHz or faster |
| Memory | 1 GB |

Table 7. Hardware requirements

| Requirement | Details |
|------------------|--|
| Hard disk space | 550 MB |
| Operating system | <ul style="list-style-type: none"> • Windows 8.1 • Windows 10 • Windows Server 2012 • Windows Server 2012 R2 • Windows Server 2016 • Windows Server 2019 |

Software requirements

- .Net Framework v.4.0 or later

i | **NOTE:** Install either the Full or Standalone version. Do not install just the Client Profile.

User privilege requirements

It is recommended to be a member of the local Administrators group to use all the features in Security Explorer®. However, it is possible to run Security Explorer without being a member of the local Administrators group.

Table 8. Requirements to enable permission management

| Module | Requirement |
|---------------------------|---|
| NTFS Security | To manage permissions on folders and files on remote computers, the file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |
| Share Security | To manage permissions on shares on remote computers, the file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |
| Registry Security | To manage permissions on registry keys on remote computers, the file and print sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |
| Printer Security | To manage permissions on printers on remote computers: <ul style="list-style-type: none"> • The Printer Spooler service must be running on the target computer. • The file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed. |
| Service Security | To manage permissions on services on remote computers, the file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |
| Task Management | To manage tasks on remote computers, the file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |
| Group and User Management | To manage groups and users on remote computers, the file and printer sharing option must be enabled on the firewall on the computer with Security Explorer installed and on the remote computer. |

Table 8. Requirements to enable permission management

| Module | Requirement |
|---------------------------|--|
| SharePoint® Security | <p>To manage permissions on servers running SharePoint, the SharePoint site must be on the same network as the computer on which Security Explorer is installed.</p> <p>To manage SharePoint sites exposed over SSL (https://), add the certificate of the server running SharePoint to the Trusted Root Certification Authorities store on the computer with Security Explorer installed.</p> <p>To deploy and remove Security Explorer Web Services, and to search for SharePoint sites automatically, the current user must be a member of the Administrators local group on the servers.</p> |
| SQL Server® Security | <p>To manage permissions on servers running SQL Server:</p> <ul style="list-style-type: none">• Current user must be a member of the Administrators local group on the server.• Windows® Firewall on the server must be configured to allow SQL and WMI. <p>For more information please refer to: <i>Configure the Windows Firewall to Allow SQL Server Access</i> at http://msdn.microsoft.com/en-us/library/cc646023.aspx.</p> |
| Exchange Security | <p>To manage permissions on the Exchange organization, the Exchange organization must be on the same Active Directory® forest as the computer on which Security Explorer is installed.</p> |
| Active Directory Security | <p>To manage permissions on the domain, the domain must have a trusted relationship with the current domain on which the user is logged on.</p> <p>See <i>Setting Options for Active Directory Security</i> in the <i>Security Explorer 9.9 User Guide</i>.</p> |

Minimum permissions for Access Explorer

Table 9. Minimum permissions for Access Explorer

| Account | Requirement |
|--|---|
| Logged in user | <ul style="list-style-type: none">• To install the Access Explorer agent, the user must have administrator access on the local computer.• To create the Access Explorer database, the logged in user (Windows® Authentication) or SQL account must have rights to create databases, logins, and groups on the computer running SQL Server®.• Must have rights to create groups in Active Directory®.• Must be able to enumerate the targets during scope selection. |
| Security Explorer service account | <ul style="list-style-type: none">• Must have Login as service right on the computer on which it is being installed.• Will be automatically granted Read and Write permissions on the Security Explorer database (Windows Auth.)• If the server is configured to use SQL authentication, the SQL credentials will be used to access the database instead of the service account.• Must be able to write to the Admin\$ share to deploy the node (local admin rights) |
| Service accounts for managed computers | <ul style="list-style-type: none">• Local Administrator rights for managed computers is recommended.• To create the database, Sysadmin rights on the computer running SQL Server are required. Once the database is created, the service account can be granted dbowner rights on the database alone.• The database has to be created using the wizard in Security Explorer.• Full Administrator rights are required on the Netapp filer / EMC• Must be able to do group expansion and SID resolution for managed accounts and their membership (Domain Admin recommended). |

Minimum requirements for Microsoft Exchange for Security Explorer

Topics:

- [Client access server configuration](#)
- [Client Configuration](#)

Client access server configuration

- 1 Check that all Exchange Windows services that have Automatic startup type are started.

- 2 Check that IIS Admin Service and World Wide Web Publishing Service IIS Services are started.
- 3 Check that the Exchange Web Application is configured correctly in IIS:
 - Authentication: Windows Authentication is Enabled
 - SSL Settings: Require SSL is switched on
- 4 Exchange Server 2010 and 2013 only: Enable Windows PowerShell® Remoting on the Exchange Server by running the Windows PowerShell command: **Enable-PSRemoting -force**.

Client Configuration

- 1 Open port 443 on the firewall.
- 2 Install an Exchange Server SSL certificate.

Permission requirements to manage Microsoft Exchange in Security Explorer

- To connect to an Exchange 2010 Organization, a user must be a domain user, have a mailbox on one of the Exchange Servers, be a member of the Organization Management group, and have impersonation rights.
For more details on configuring user impersonation, see [Configuring Exchange Impersonation in Exchange 2010](#).
- To connect to an Exchange 2013 or 2016 Organization, a user must be a domain user, have a mailbox on one of the Exchange Servers, be a member of the Organization Management domain group, and have impersonation rights.

To configure impersonation in Security Explorer

- 1 In the Navigation pane, expand **Role Based Access Control | Roles | ApplicationImpersonation | Assignments**.
- 2 Select **Assignments**, and select **File | New**.
- 3 Enter the name and user.
- 4 Select **RecipientRelativeWriteScope** and choose **Organization** from the list.
- 5 Click **OK** and restart Security Explorer.
 - To connect to an Exchange 2010–2013 Organization (Mixed Mode), a user must be a domain user, have a mailbox on one of the 2013 Exchange Servers, be a member of the Organization Management domain group, and have impersonation rights on the Exchange 2010 and 2013 client access servers.

i | **IMPORTANT:** Only a user who is a Domain Administrator and Exchange Administrator has no restrictions for mailbox management in Security Explorer. There are possible restrictions in Security Explorer for mailbox management. See [Restrictions with mailbox management](#).

Restrictions with mailbox management

Only a user who is a Domain Administrator and Exchange Administrator has no restrictions for mailbox management in Security Explorer. If a user uses **Run As** to start Security Explorer and that user does not have

enough privileges and enters valid Alternative Credentials (Domain User, Exchange Administrator, Local Administrator, Has Mailbox, Has Impersonation), there are some restrictions with mailbox management in Security Explorer.

- [Exchange 2010](#)
- [Exchange 2013, 2016, and 2019](#)
- [Mixed Mode \(Exchange 2010–2013, 2010–2016, 2010-2019, 2013–2016, 2013-2019, 2016-2019\)](#)

Exchange 2010

Table 10. Restrictions with mailbox management in Security Explorer with Microsoft® Exchange 2010

| If the user entered in the Run as window has these privileges: | And these privileges are used to connect to Exchange Server: | Then these restrictions are possible in Security Explorer: |
|---|---|---|
| Domain Administrator Member of Organization Management | Windows® Authentication Valid Alternative Credential | No restrictions |
| Domain User Member of Organization Management | Windows Authentication Valid Alternative Credential | Cannot create, delete and manage distribution groups. Cannot manage Active Directory® permissions for mailboxes and public folders (View-only mode). |
| Domain User | Windows Authentication | Cannot connect to Exchange. |
| Domain User | Valid Alternative Credential | Cannot create, delete, and manage security and distribution groups (except dynamic distribution groups). Cannot create mail-enabled public folders. Cannot manage Active Directory permissions for mailboxes and public folders (View-only mode). |

NOTE: Valid Alternative Credential: Domain User, Exchange Admin, Local Admin, Has Mailbox

Exchange 2013, 2016, and 2019

Table 11. Restrictions with mailbox management in Security Explorer with Microsoft® Exchange 2013, 2016, and 2019

| If the user entered in the Run as window has these privileges: | And these privileges are used to connect to Exchange Server: | Then these restrictions are possible in Security Explorer: |
|---|---|---|
| Domain Administrator | Windows® Authentication | No restrictions |
| Domain Administrator | Valid Alternative Credential | Cannot manage Active Directory® permissions for all objects. Cannot delete mail contacts. |
| Domain User is member of Organization Management domain group | Windows Authentication Valid Alternative Credential | Cannot manage Active Directory permissions for all objects. Cannot delete mail contacts. |
| Domain User | Windows Authentication | Cannot connect to Exchange. |

Table 11. Restrictions with mailbox management in Security Explorer with Microsoft® Exchange 2013, 2016, and 2019

| If the user entered in the Run as window has these privileges: | And these privileges are used to connect to Exchange Server: | Then these restrictions are possible in Security Explorer: |
|--|--|--|
| Domain User | Valid Alternative Credential | Cannot manage Active Directory permissions for all objects. Cannot delete mail contacts. |

NOTE: Valid Alternative Credential: Domain User, Exchange Admin, Local Admin, Has Mailbox

Mixed Mode (Exchange 2010–2013, 2010–2016, 2010-2019, 2013–2016, 2013-2019, 2016-2019)

Table 12. Restrictions with mailbox management in Security Explorer with Microsoft® Exchange mixed modes (2010–2013, 2010–2016, 2010-2019, 2013–2016, 2013-2019, 2016-2019)

| If the user entered in the Run as window has these privileges: | And these privileges are used to connect to Exchange Server: | Then these restrictions are possible in Security Explorer: |
|--|--|--|
| Domain Administrator | Windows® Authentication | No restrictions |
| Domain Administrator | Valid Alternative Credential | Cannot manage Directory permissions for all objects. Cannot delete mail contacts. |
| Domain User is member of Organization Management domain group | Windows Authentication Valid Alternative Credential | Cannot manage Directory permissions for all objects. Cannot delete mail contacts. |
| Domain User | Windows Authentication | Cannot connect to Exchange |
| Domain User | Valid Alternative Credential | Cannot manage Directory permissions for all objects. Cannot delete mail contacts. |

NOTE: Valid Alternative Credential: Domain User, Exchange Admin, Local Admin, Has Mailbox

Upgrade and compatibility

Security Explorer 9 does not require that you uninstall version 5, version 6, version 7, or version 8. You can install Security Explorer 9.9.1 side-by-side with all of these previous versions.

Product licensing

You must have a Quest® license file (.dlv) to use version 9.9.1.

To activate a trial or purchased commercial license

- 1 Start Security Explorer.

When you start Security Explorer, a license check is performed. If you are installing Security Explorer for the first time, you are asked to update the license.

- 2 Click **Update License**, and locate the license file. The license file is approximately 1 KB in size and has a .dlv file extension.

To update a license

- 1 Start Security Explorer.
- 2 Select **Help | About Security Explorer**.
 - To view the applied licenses, click **Licenses**.
 - To update a selected license, click **Update License**.

Upgrade and installation instructions

During the install process, you can choose to install Access Explorer and the Security Explorer cmdlets for use with Windows PowerShell®.

The Access Explorer service scans and indexes security access information on files, folders, and shares on managed computers in managed domains. The Access Explorer Permission Wizard helps you manipulate explicit permissions and/or group memberships for Access Explorer accounts, computers, and/or resource groups. For more information, see chapter 9, Working with Access Explorer, in the Security Explorer User Guide.

The Security Explorer cmdlets perform common functions, such as Backup, Clone, Export, Grant, Restore, and Revoke, from the command line. For more information, see chapter 11, Using the command line, in the Security Explorer User Guide.

i | **IMPORTANT:** If you are running Active Administrator on the same computer as Security Explorer, exit Active Administrator and stop all Active Administrator services before upgrading to Security Explorer.

To install Security Explorer

- 1 Launch the autorun.
- 2 Select **Install Security Explorer**.
- 3 Select the version of Security Explorer to install, and click **Open**.
 - **Security Explorer (32 bit)** can be installed to 32-bit and 64-bit operating systems. The installation folder is **Program Files** for 32-bit operating systems and **Program Files (x86)** for 64-bit operating systems.
 - **Security Explorer (64 bit)** can be installed to 64-bit operating systems only. The installation folder is Program Files.

i | **NOTE:** You cannot install both versions of Security Explorer on the same computer.

- 4 On the Welcome screen of the Install Wizard, click **Next**.
- 5 Click **View License Agreement**.
- 6 Scroll to the end of the license agreement.
- 7 Click **I accept these terms**, and click **OK**.
- 8 Click **Next**.
- 9 On the **Custom Setup** page, you can change the location of the program files, install Access Explorer, install the Security Explorer cmdlets for use with Windows PowerShell®, and check disk usage.
 - To install Access Explorer, click the icon next to **Access Explorer** and choose to install the feature.
 - To install PowerShell®, click the icon next to PowerShell Snap-Ins, and choose to install the feature.
 - To change the location of the program files, select the feature, and click **Browse**.
 - To check disk usage, click **Disk Usage**.

- To reset selections, click **Reset**.
- 10 Click **Next**.
 - 11 Click **Install**.
 - 12 Click **Finish**.

More resources

Additional information is available from the following:

- Online product documentation (<http://documents.quest.com/security-explorer/>)
- Security Explorer 9.9.1 What's New Guide
- Security Explorer 9.9.1 Installation Guide
- Security Explorer 9.9.1 Upgrade Guide
- Security Explorer 9.9.1 User Guide
- Security Explorer 9.9.1 Deployment in FIPS Environments

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. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. 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

Quest provides software solutions for the rapidly-changing world of enterprise IT. We help simplify the challenges caused by data explosion, cloud expansion, hybrid datacenters, security threats, and regulatory requirements. We are a global provider to 130,000 companies across 100 countries, including 95% of the Fortune 500 and 90% of the Global 1000. Since 1987, we have built a portfolio of solutions that now includes database management, data protection, identity and access management, Microsoft platform management, and unified endpoint management. With Quest, organizations spend less time on IT administration and more time on business innovation. For more information, visit www.quest.com.

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 13. List of third-party contributions

| Component | License or acknowledgment |
|--|--|
| 7-ZIP 9.20* | NOTE: This code cannot be used to create a RAR / WinRAR compatible archiver. |
| Renci SSH.NET Library Beta | <p>Copyright (c) 2010, Renci All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ul style="list-style-type: none"> * 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 Renci nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>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.</p> |
| Windows Installer XML Toolset (aka WIX) 3.11 | <p>Copyright (c) .NET Foundation and contributors. Microsoft Reciprocal License (MS-RL)</p> |

© 2023 Quest Software Inc.

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 Quest Software Inc.

The information in this document is provided in connection with Quest Software 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 Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE 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 QUEST SOFTWARE 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 QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software 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. Quest Software 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:

Quest Software Inc.
Attn: LEGAL Dept.
4 Polaris Way
Aliso Viejo, CA 92656

Refer to our website (<https://www.quest.com>) for regional and international office information.


Patents

Quest Software 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 <https://www.quest.com/legal>.

Trademarks

Quest, Security Explorer, and the Quest logo are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit <https://www.quest.com/legal/trademark-information.aspx>. All other trademarks and registered trademarks are property of their respective owners.

Legend

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.