

Quest® InTrust 11.3

System Requirements



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Legend

-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
-  **IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

InTrust System Requirements

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Default Set of Components

The components installed by default are [InTrust Deployment Manager](#), [InTrust Server](#) and [InTrust Repository Viewer](#). If you customize the selection to install individual components, see the [requirements](#) for the components you need. If you use the default selection, the combined requirements are as follows:

Architecture	x64
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2
CPU	Min. 4 cores (for example, for evaluation purposes). For any real-world uses, at least 8 cores are recommended.
Memory	Min. 4GB (for example, for evaluation purposes). For any real-world uses, at least 8GB are recommended.*
Additional Software and Services	Microsoft .NET Framework: <ul style="list-style-type: none">• On Windows Server 2008 R2: version 4.5 or later with all the latest updates• On other Windows versions: version 4.0 or later with all the latest updates

* This is only an observation. To estimate consumed memory (in gigabytes) more accurately, use the following formula:

$$\langle \text{number_of_cores} \rangle * 0.26 + 6$$

Remember that this means memory used by InTrust Server alone on average. During activity peaks (such as data merging and report building), the memory requirements of InTrust increase.

i | **NOTE:** Make sure that the computer where you perform InTrust setup has ports 900, 8340 and 8341 open for inbound traffic and not blocked by any firewalls. This is required for InTrust configuration management, agent-server communication and repository access.

In a virtualized environment

If you deploy InTrust on a virtual machine, make sure the CPU and memory requirements above are met, and do not overload the virtual machine host.

For the configuration database:

Any of the following:

- Microsoft SQL Server 2016
- Microsoft SQL Server 2014
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008 R2

i NOTES:

- A local or remote installation of SQL Server can be used.
- The collation order must be case-insensitive.

Individual Components

The requirements for a custom InTrust deployment vary greatly depending on the components you select. For details, please see the sections about the components you need.

- [InTrust Deployment Manager](#)
- [InTrust Manager](#)
- [InTrust Server](#)
- [InTrust Monitoring Console](#)
- [InTrust Repository Viewer](#)
- [Repository Indexing Tool](#)

InTrust Deployment Manager

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows 10• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows 8• Microsoft Windows 7• Microsoft Windows Server 2008 R2
Additional Software and Services	Microsoft .NET Framework: <ul style="list-style-type: none">• On Windows Server 2008 R2: version 4.5 or later with all the latest updates• On other Windows versions: version 4.0 or later with all the latest updates

InTrust Manager

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows 10• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows 8• Microsoft Windows 7• Microsoft Windows Server 2008 R2
Additional Software and Services	Microsoft .NET Framework 4.0 or later

InTrust Server

Architecture	x64
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2
CPU	Min. 4 cores (for example, for evaluation purposes). For any real-world uses, at least 8 cores are recommended.
Memory	Min. 4GB (for example, for evaluation purposes). For any real-world uses, at least 8GB are recommended.*
Hard Disk Space	Min. 4GB when installing all components
Additional Software and Services	Microsoft .NET Framework 4.0 or later

* This is only an observation. To estimate consumed memory (in gigabytes) more accurately, use the following formula:

$$\langle \text{number_of_cores} \rangle * 0.26 + 6$$

Remember that this means memory used by InTrust Server alone on average. During activity peaks (such as data merging and report building), the memory requirements of InTrust increase.

In a virtualized environment

If you deploy InTrust on a virtual machine, make sure the CPU and memory requirements above are met, and do not overload the virtual machine host.

For communication with the server:

Computers that are supposed to run InTrust Server must be configured to allow for incoming connections on the TCP port on which your InTrust Servers are configured to communicate with agents (900 by default), the TCP port used for InTrust Server management (8340 by default) and TCP port 8341.

For the configuration, alert and audit databases:

Any of the following:

- Microsoft SQL Server 2016
- Microsoft SQL Server 2014
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008 R2

i | **NOTES:**

- If a database is used by InTrust, no other products should modify it.
- A local or remote installation of SQL Server can be used.
- The collation order must be case-insensitive.
- Microsoft SQL Server Express Edition is supported for configuration and alert databases, but it does not provide SQL Server Reporting Services. Therefore, using SQL Server Express Edition for hosting audit databases is pointless.

For reporting jobs:

- Web server based on Microsoft Internet Information Services (IIS) version 6.0 or later, with ASP.NET*
- Microsoft SQL Server Reporting Services**

i | **NOTES:**

* A local or remote installation can be used. Make sure ASP extensions are allowed.

** A local or remote installation of Reporting Services can be used; Microsoft SQL Server Express Edition with Advanced Services is not supported.

For requirements on local or remote installation of Knowledge Portal, refer to the Knowledge Portal documentation.

InTrust Monitoring Console

Server side

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows 10• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows 8• Microsoft Windows 7• Microsoft Windows Server 2008 R2
Additional Software and Services	<ul style="list-style-type: none">• Microsoft IIS 6.0 or later; make sure ASP extensions are allowed• Microsoft .NET Framework 4.0 or later

Client side

Internet Explorer shipped with Windows, or an upgraded version of Internet Explorer.

i NOTES:

Check Internet Explorer security settings as follows:

1. In the Control Panel, open **Internet Options**.
2. On the **Security** tab, click the **Trusted Sites** icon and make sure the web site where Monitoring Console runs is included in the list of trusted sites.
3. Click **Custom Level** and make sure **Misc | Use Pop-Up Blocker** is set to **Disabled**, and **Misc | Allow script-initiated windows without size or positioning constraints** is set to **Enabled**.

If you plan to use a web server based on Microsoft IIS 7.0, check that the following role services are installed in addition to default role services of Web Server:

- IIS 6 Management compatibility
- Security: Windows Authentication

InTrust Repository Viewer

Architecture

- x64
- x86 where applicable

Operating System

- Any of the following:
- Microsoft Windows Server 2016
 - Microsoft Windows 10
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows Server 2012
 - Microsoft Windows 8
 - Microsoft Windows 7
 - Microsoft Windows Server 2008 R2

Additional Software and Services

Microsoft .NET Framework 4.0 or later with all the latest updates

Repository Indexing Tool

Repository indexing implicitly uses the **IndexingTool.exe** utility. This utility can also be used directly from the command line. The following requirements apply to all computers where **IndexingTool.exe** is launched, whether explicitly or automatically.

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows 10• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows 8• Microsoft Windows 7• Microsoft Windows Server 2008 R2
Other Requirements	InTrust agents that perform indexing must be deployed in the same domain as the index-managing InTrust server.

Supported Platforms

- Microsoft Windows Events
- Microsoft IIS Events
- Microsoft Forefront Threat Management Gateway and ISA Server Events
- Microsoft DHCP Server Events
- Solaris Events
- Red Hat Enterprise Linux Events
- Oracle Linux Events
- SUSE Linux Events
- Debian GNU/Linux Events
- IBM AIX Events
- HP-UX Events
- VMware vCenter Events
- VMware ESX and ESXi Events

Microsoft Windows Events

InTrust provides auditing and real-time monitoring facilities for the following logs in Windows event log format:

- Windows Security Log
- Windows System Log
- Windows Application Log
- Categorized event logs in the the **Application and Services Logs** container
- Windows Directory Service Log
- Windows DNS Server Log
- Windows File Replication Service Log
- Active Roles Server Log (EDM Server Event Log)
- InTrust for MIIS Log
- InTrust Server Log
- Custom data source of "Windows Event Log" type

Server side:

- InTrust Server

Processed computer:

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows 10• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows 8• Microsoft Windows Server 2008 R2• Microsoft Windows Server 2008• Microsoft Windows 7
Additional Software and Services	<ul style="list-style-type: none">• For data gathering without agents: Remote Registry Service

Rights and permissions for gathering without agents:

- **Access this computer from the network** right.
- **Deny access to this computer from network** right must be disabled.
- **Manage auditing and security log** right to gather events from the Security log; members of the local **Administrators** group have this right by default.
- Starting with Windows Server 2008, the **Network access: Remotely accessible registry paths and sub-paths** policy must be enabled, and the following registry paths must be added to it:
 - Software\Microsoft\Windows NT\CurrentVersion
 - System\CurrentControlSet\Services\EventLog
 - System\CurrentControlSet\Control\TimeZoneInformation
- Starting with Windows Server 2008, to make the Security log accessible for gathering using a specific account, this account must have the **Read** permission on the **HKLM\CurrentControlSet\Services\EventLog\Security** registry key.
- Starting with Windows Vista, if the Windows firewall is enabled, the "Remote Event Log Management" exception should be added to its configuration. Otherwise, the **Category** field is not resolved in the gathered events.
- To clear logs after gathering: membership in the local **Administrators** group and an open **Admin\$** share.
- To permit agentless gathering of logs in the **Application and Services Logs** container, enable **Remote Event Log Management** in the list of allowed programs and features in Windows Firewall configuration.

Rights and permissions for gathering with agents and real-time monitoring:

The following rights and permissions must be assigned to the InTrust agent account if the agent is not running under the **LocalSystem** account:

- **Manage auditing and security log** right is required to gather events from the **Security** event log.

i | **NOTE:** For more information about job and task accounts, see the [Understanding Jobs and Tasks](#) topic and [Minimal Rights and Permissions Required for InTrust Operations](#).

Microsoft IIS Events

Server side:

- InTrust Server
- Microsoft IIS Administrative Components for data gathering without agents

Processed computer:

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Microsoft Internet Information Services	7.0 or later
Additional Software and Services	<ul style="list-style-type: none">• For data gathering without agents: Remote Registry Service• For data gathering with agents: Microsoft IIS Administrative Components• For executing response action scripts: Microsoft Windows Script Host 5.6 or later• For gathering IIS 7.0 logs: the IIS 6 Metabase Compatibility role service (Management Tools IIS 6 Management Compatibility IIS 6 Metabase Compatibility in the IIS role service tree) must be installed

i NOTES:

- Monitoring of IIS 7.0 FTP logs is not supported; gathering of IIS 7.0 FTP logs with **Create agent-side audit log backup** option turned on is not supported.
- On 64-bit architectures, IIS must be running in 32-bit mode.

Rights and permissions for data gathering without agents:

- **Access this computer from the network** right
- **Deny access to this computer from network** right must be disabled
- Membership in the local **Administrators** group
- Membership in the local **Site Operators** group
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\TimeZoneInformation** registry key
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\Nls\Language** registry key
- **Read** and **List Folder Contents** permissions on log file folders; the **Delete** permission must also be granted if the **Clear log after gathering** option is turned on for the data source

Rights and permissions for data gathering with agents:

The following rights and permissions must be assigned to the InTrust agent account if the agent is not running under the **LocalSystem** account:

- Membership in the local **Site Operators** group
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\TimeZoneInformation** registry key
- **Read** and **List Folder Contents** permissions to log file folders; the **Delete** permission must also be granted if the **Clear log after gathering** option is turned on for the data source

Rights and permissions for real-time monitoring:

The InTrust agent account must have the following privilege if the agent is not running under the **LocalSystem** account:

- Membership in the **Site Operators** group

i | **NOTE:** For more information about job and task accounts, see the [Understanding Jobs and Tasks](#) topic and [Minimal Rights and Permissions Required for InTrust Operations](#).

Microsoft Forefront Threat Management Gateway and ISA Server Events

Server side:

- InTrust Server
- Microsoft ISA Administrative Components for data gathering without agents

Processed computer:

Architecture	x86
Microsoft Forefront Threat Management Gateway or ISA Server	Any of the following: <ul style="list-style-type: none">• Forefront Threat Management Gateway 2010 (gathering without agents is not supported)• ISA Server 2006 (gathering without agents is not supported)• ISA Server 2004 (gathering without agents is not supported)
Additional Software and Services	<ul style="list-style-type: none">• For data gathering with agents: Microsoft ISA Administrative Components

Rights and permissions for data gathering with agents:

The following rights and permissions must be assigned to the InTrust agent account if the agent is not running under the **LocalSystem** account:

- **Read** permission to the server (or server array) configuration
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\TimeZoneInformation** registry key
- **Read** and **List Folder Contents** permissions to log file folders; the **Delete** permission must also be granted if the **Clear log after gathering** option is turned on for the data source

Requirements for gathering Threat Management Gateway logs in SQL Server Express format without agents:

- RPC connections to the Threat Management Gateway server must be allowed.
- The SQL Server instance named "MSFW" on the Threat Management Gateway server must be made remotely available.
- The Microsoft TMG Management Console must be installed on the InTrust server.

i | **NOTE:** For more information about job and task accounts, see the [Understanding Jobs and Tasks](#) topic and [Minimal Rights and Permissions Required for InTrust Operations](#).

Microsoft DHCP Server Events

Server side:

- InTrust Server

Processed computer:

Architecture	<ul style="list-style-type: none">• x64• x86 where applicable
Operating System	Any of the following: <ul style="list-style-type: none">• Microsoft Windows Server 2016• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2• Microsoft Windows Server 2008
Microsoft DHCP Server	N/A
Additional Software and Services	<ul style="list-style-type: none">• For data gathering without agents: Remote Registry Service

Rights and permissions for data gathering without agents:

- **Access this computer from the network** right
- **Deny access to this computer from network** right must be disabled
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Services\DHCPServer\Parameters** registry key
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\TimeZoneInformation** registry key
- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Control\Nls\Language** registry key
- Membership in the local **Administrators** group
- **Read** and **List Folder Contents** permissions to log file folders; the **Delete** permission must also be granted if the **Clear log after gathering** option is turned on for the data source

Rights and permissions for data gathering with agents:

- **Read** permission to the **HKLM\SYSTEM\CurrentControlSet\Services\DHCPServer\Parameters** registry key
- **Read** permission to the **SYSTEM\CurrentControlSet\Control\TimeZoneInformation** registry key
- **Read** and **List Folder Contents** permissions to log file folders; the **Delete** permission must also be granted if the **Clear log after gathering** option is turned on for the data source

i | **NOTE:** For more information about job and task accounts, see the [Understanding Jobs and Tasks](#) topic and [Minimal Rights and Permissions Required for InTrust Operations](#).

Solaris Events

Server side:

- InTrust Server

Processed computer:

Architecture	<ul style="list-style-type: none">• x86• Sun SPARC (supported architectures for certain operating systems are listed below)
Operating System	<p>Any of the following:</p> <ul style="list-style-type: none">• Oracle Solaris 11.1 standard installation: 32-bit and 64-bit (on SPARC v9 and x64 architecture) with the the SUNWiconv-unicode package installed• Sun Solaris 10 standard installation: 32-bit and 64-bit (on SPARC v9 and x64 architecture)• Sun Solaris 9 standard installation: 32-bit and 64-bit (on SPARC v9 architecture)• Sun Solaris 8 with patch 112439-01: 32-bit and 64-bit (on SPARC v9 architecture)

i **NOTE:** If a non-UTF-8 locale is used, the following patches should be installed:

- For x86 architecture: 125294-XX
- For Sun SPARC architecture: 125293-XX

Red Hat Enterprise Linux Events

Server side:

- InTrust Server

Processed computer:

Architecture	Any of the following: <ul style="list-style-type: none">• x64 (RHEL 5 and later; see the <i>Additional Software</i> note below for details)• x86
Operating System	Any of the following: <ul style="list-style-type: none">• Red Hat Enterprise Linux 7• Red Hat Enterprise Linux 6.3 and later• Red Hat Enterprise Linux 5• Red Hat Enterprise Linux 4
Additional Software	<p>This note applies only to Red Hat Enterprise Linux 6 and 7.</p> <p>The InTrust agent is a 32-bit application, so the following dependencies must be installed on 64-bit editions of the operating system:</p> <ul style="list-style-type: none">• glibc.i686• libuuid.i686

Oracle Linux Events

Server side:

- InTrust Server

Processed computer:

Architecture	Any of the following: <ul style="list-style-type: none">• x64• x86
Operating System	Any of the following: <ul style="list-style-type: none">• Oracle Linux 7• Oracle Linux 6.6• Oracle Linux 6.5• Oracle Linux 6.4• Oracle Linux 6.3
Additional Software	The InTrust agent is a 32-bit application, so the following dependencies must be installed on 64-bit editions of the operating system: <ul style="list-style-type: none">• glibc.i686• libuuid.i686

SUSE Linux Events

Server side:

- InTrust Server

Processed computer:

Architecture	<ul style="list-style-type: none">• x64• x86• IA64 (SLES 10 only)
Operating System	Any of the following: <ul style="list-style-type: none">• SUSE Linux Enterprise Server 11• SUSE Linux Enterprise Server 10

Debian GNU/Linux Events

Server side:

- InTrust Server

Processed computer:

Architecture	<ul style="list-style-type: none">• x64• x86
Operating System	Debian GNU/Linux 8
Additional Software	The InTrust agent is a 32-bit application, so the following dependencies must be installed on 64-bit editions of the operating system: <ul style="list-style-type: none">• libc6:i386• libuuid1:i386

IBM AIX Events

Server side:

- InTrust Server

Processed computer:

Architecture	PowerPC_POWER5
Operating System	Any of the following: <ul style="list-style-type: none">• IBM AIX V7.1• IBM AIX V6• IBM AIX V5.3 TL 5300-11-06 or later
Additional Software and Services	IBM C++ Runtime Environment Components for AIX (version 12.1.0.3 or later) must be installed on the AIX computers where you want to set up InTrust agents. This software is available from the IBM Web site at http://www-01.ibm.com/support/docview.wss?uid=swg24035841 .

HP-UX Events

Server side:

- InTrust Server

Processed computer:

Architecture	Any of the following: <ul style="list-style-type: none">• 9000/800 (PA-RISC)• IA64
Operating System	Any of the following: <ul style="list-style-type: none">• HP-UX 11.31• HP-UX 11.23• HP-UX 11.11 <p>For version 11.11 the following HP-UX patches are also required:</p> <ul style="list-style-type: none">• PHCO_27049 s700_800 11.11 audit(5) man page patch• PHCO_27704 s700_800 11.11 audisp(1M) cumulative patch• PHCO_27752 s700_800 11.11 audevent(1M) cumulative patch• PHCO_33758 s700_800 11.11 login(1) cumulative patch• PHCO_35732 s700_800 11.11 ugm cumulative patch• PHCO_36465 s700_800 11.11 passwd(1) cumulative patch• PHKL_32126 s700_800 11.11 audit subsystem cumulative patch• PHNE_36211 s700_800 11.11 r-commands cumulative mega-patch• PHSS_33035 s700_800 11.11 ld(1) and linker tools cumulative patch (if operating on PA-RISC architecture)
Additional Software and Services	Secure_Shell.SECURE_SHELL A.04.40.010 or later (for HP-UX 11.11)

VMware vCenter Events

Server side:

- InTrust Server

Processed computer:

VMware vCenter Any of the following:

- VMware vCenter Server 4.1
 - VMware vCenter Server 4.0 Update 2
 - VMware vCenter Server 4.0 Update 1
 - VMware VirtualCenter 2.5 Update 6
-

VMware ESX and ESXi Events

Server side:

- InTrust Server

Processed computer:

VMware ESX or ESXi Any of the following:

- VMware ESX 4.1
 - VMware ESXi 4.1
 - VMware ESX 4.0 Update 2
 - VMware ESX 4.0 Update 1
 - VMware ESXi 4.0 Update 1
-

Minimal Rights and Permissions Required for InTrust Operations

InTrust Setup: Common

Operation or Account	Permissions or Database Roles	Notes
Run InTrust suite setup (default or extended)	<p>Setup must be launched under the account that:</p> <ul style="list-style-type: none"> Is a member of the local Administrators group on the computer where it is run. Has a dbo role for all InTrust databases (or access rights for these databases at least as prescribed by this table). 	<p>When installing the second (and subsequent) InTrust servers into your InTrust organization, make sure the the setup account is listed as an InTrust organization administrator.</p> <p>To view and edit the list of organization administrators, do one of the following:</p> <ul style="list-style-type: none"> In InTrust Deployment Manager, click Manage Configure Access. In InTrust Manager, open the properties of the root node.
InTrust Server account	<ol style="list-style-type: none"> Membership in the local Administrators group on the computer where InTrust Server runs The following security settings must be turned on: <ul style="list-style-type: none"> Log on as a service Adjust memory quotas for a process Replace a process level token 	
Install an agent	Membership in the local Administrators group on the agent computer	The Admin\$ share must exist on the target computer if you are installing the agent using InTrust.
Agent account	One of the following:	

Operation or Account	Permissions or Database Roles	Notes
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- Membership in the local **Administrators** group
- **LocalSystem** account

InTrust Setup: Extended Deployment Only

Operation or Account	Permissions or Database Roles	Notes
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Install reports from the Knowledge Packs you select	<ol style="list-style-type: none"> 1. Membership in the local Administrators group on the computer where the reports are to be installed 2. Membership in the local Administrators group on the computer where the reports are to be installed 3. Membership in the local Administrators group on the computer where the reports are to be installed 	<ul style="list-style-type: none"> • Use the Reporting Services Report Manager to assign the required roles with Security settings for each item you need. • To avoid possible problems, Report Packs should be installed under a local administrator account (for that, either log on with such an account, or use the runas command).
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Provide automatic creation of Service Connection Point (SCP) by InTrust means	<p>Do the following before the setup:</p> <p>Create a container "CN=Quest InTrust, CN=System..." and assign the following permissions on this container for the account under which you will run the setup:</p> <ul style="list-style-type: none"> • Create All Child Objects • Read Permissions • Modify Permissions 	
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-OR-

	<p>Specify the following permissions on the "CN=System..." in Active Directory for the account under which you will run the setup:</p> <ul style="list-style-type: none"> • Create All Child Objects • Read Permissions • Modify Permissions 	
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Operation or Account	Permissions or Database Roles	Notes
	<ul style="list-style-type: none"> • Read All Properties • Write All Properties 	<p>These permissions must be applied onto This object and all child objects scope.</p> <p>The account that performs uninstallation of InTrust Server must have the Delete All Child Objects permission on the "CN=Quest InTrust, CN=System..." container to delete the SCP.</p> <p>If you need to change an account after the InTrust installation, use the adcsrvacc command-line utility. For more details, see Special-Purpose Commands and Utilities.</p>

Repository Viewer

Operation	Permissions	Notes
Create custom search folders and scheduled reports in Repository Viewer	The account must be listed as an InTrust organization administrator.	<p>To view and edit the list of organization administrators, do one of the following:</p> <ul style="list-style-type: none"> • In InTrust Deployment Manager, click Manage Configure Access. • In InTrust Manager, open the properties of the root node.
Open a production repository in Repository Viewer	<ul style="list-style-type: none"> • On the repository folder, for the account used to open Repository Viewer: <ul style="list-style-type: none"> ◦ Read file system permission ◦ If the repository folder is shared: Read share permission. • InTrust Server service account must have the Read file system permission on the index folder 	<ul style="list-style-type: none"> • Make sure all InTrust servers in the organization have the agent communication port (900 by default) and InTrust Server management port (8340 by default) open for inbound traffic.

Operation	Permissions	Notes
	<ul style="list-style-type: none"> Active Directory delegation must be enabled for the following: <ul style="list-style-type: none"> The account of the InTrust server that manages the repository The user account that Repository Viewer is running under The user account that Repository Viewer is running under must be a member of the computer local AMS Readers group on the InTrust Server that manages the repository and on the InTrust server that Repository Viewer connects to (these may be two different servers). If the value of the IDX_IndexAccessCheckMode is 1 (not the default 0), then the file system and share permissions required for the repository are also required for the index. This is because index access permissions are verified using a file in the repository. The InTrust Server service account should be granted Read and Modify file system permissions to the repository folder (Read and Change share permissions if the repository folder is shared). If the repository is Centera-based, the user account that Repository Viewer is running under must have the Modify share permission on the network share that this repository uses. 	<ul style="list-style-type: none"> For convenience, make an Active Directory group a member of the local AMS Readers group, and use membership in the Active Directory group to control repository access.
Open an idle repository in Repository Viewer	<p>Both on the repository folder and on the index folder, for the account used to open Repository Viewer:</p> <ul style="list-style-type: none"> Read file system permission If the repository and index folders are shared: Read share permission 	

Extended InTrust Features

Operation	Permissions or Database Roles	Notes
Use the InTrust Manager snap-in	Membership in the AMS Readers computer local group on the InTrust Server	To view InTrust configuration objects in InTrust Manager, a user must be a member of the AMS Readers local group on the InTrust Server, or an InTrust organization administrator (included in the list in the properties of the root node in InTrust Manager).
Access the configuration database	ADCCfgUser role for the configuration database	This role is created by setup or by the configdb.sql script and is granted the following permissions:

Operation	Permissions or Database Roles	Notes
		<ul style="list-style-type: none"> • CREATE TABLE (at the database level) • INSERT,SELECT,DELETE,UPDATE on all user tables in the database • EXECUTE on all user stored procedures in the database
Gather events from site computers without agents	<ol style="list-style-type: none"> 1. Full control permission to the InTrust Server installation folder. 2. Access this computer from the network 3. Manage auditing and security log (required to gather the Security log only) 	To gather events from an event log with event log security through a GPO or registry settings, Read access permission must be given in the ACE of appropriate log(s) to the account used to run a job. For details refer to Microsoft KB article 323076 .
Gather events from site computers with agents	Full control permission on the InTrust Server installation folder.	
Store events in a repository	Modify share permission on the network share that the repository uses.	If a repository is accessed under the account specified explicitly (for repository, job or task account), membership in AMS Readers computer local group on the InTrust Server and Log on as a batch job right on the InTrust Server is required for that account.
Consolidate repositories	<ol style="list-style-type: none"> 1. Full control permission to the InTrust Server installation folder. 2. Read permission to the source repository 3. Modify permission to the target repository 4. Permissions to log on to the InTrust server that indexes the source repository. 	
Import data from a repository	<ol style="list-style-type: none"> 1. Full control permission to the InTrust Server installation folder. 2. Read permission to the repository 	
Clean up a repository	Modify permission to the repository	
Store events in an audit database (gathering or import)	InTrust Gathering role for the Audit Database	This role is created by setup or by the auditdb.sql script.
Clean up an audit database	<p>To clean up all events db_owner role for the audit database</p> <p>To clean up part of the events (for specific time periods)</p>	This role is created by setup or by the auditdb.sql script.

Operation	Permissions or Database Roles	Notes
	InTrust AuditDB Cleanup role for the audit database	
Run reporting job or work with reports in Knowledge Portal (without using Report Builder)	<ol style="list-style-type: none"> 1. Content Manager role for the QKP\SharedDataSources folder and for the folder where the report is located (under QKP folder) in SQL Reporting Services. 2. Browser role for the Home folder in SQL Reporting Services. 3. Reporting Console User role for the account that will be used to connect to the database. 4. Read permission for the %WinDir%. 	<ul style="list-style-type: none"> • For a reporting job, this account is specified when setting the Credentials in the job properties. • For account that will be used to work with the Knowledge Portal, use Data Source properties to assign the required credentials. <p>Note that this account must belong to the same domain where SSRS (hosting Knowledge Portal) is installed, otherwise membership in the Authenticated Users group (for SRS' domain) is required.</p>
Add reports to a reporting job	<ol style="list-style-type: none"> 1. Read permission for the %WinDir%. 2. db_datareader role for the database selected as the data source for reporting. 3. For the Home folder in Reporting Services: Browser role. 	
Run reporting job using Import objects from the repository option	Rights and permissions required for both import and reporting jobs, sufficient rights for connection to the audit database.	For detailed list of rights and permissions required and security settings their usage depends on, refer to the Reporting Job topic.
Create reports interactively using Report Builder	System User or System Administrator role for the web site where the Knowledge Portal application runs.	This role can be assigned using SQL Reporting Services Report Manager (site-level security settings).
Store alerts in an alert database	InTrust Real-Time Monitoring role for the alert database	This role is created by setup or by the alertdb.sql script.
Clean up an alert database	InTrust AlertDB Cleanup role for the Alert Database	This role is created by setup or by the alertdb.sql script.
Manage alerts from InTrust Monitoring Console	InTrust Monitoring Console role for the alert database	This role is created by setup or by the alertdb.sql script.
Create and edit a profile in Monitoring Console	<p>On the computer where Monitoring Console runs:</p> <ul style="list-style-type: none"> • Administrator role for COM+ System Application • Membership in the InTrust Alerting Admins local group 	To check if you have the Administrator role, open the Component Services MMC snap-in on the computer with Monitoring Console, and view the Computers My Computer COM+ Applications System Application Roles Administrator Users node.

Operation	Permissions or Database Roles	Notes
Connect to an alert database using SQL Server authentication	<p>If you are using a computer with User Account Control turned on to open the Monitoring Console Administration page, Internet Explorer must be started using the Run as administrator command.</p> <p>For a profile to use SQL Server authentication when connecting to the alert database, the Run As account should be included into local Administrators group on the computer where the Monitoring Console is installed.</p>	
Perform indexing of idle repository with standalone IndexingTool.exe	<p>Both on the repository folder and on the index folder, for the account that perform indexing:</p> <ul style="list-style-type: none"> • Read and Modify file system permissions • If the repository and index folders are shared: Read and Change share permissions 	
Perform indexing of a production repository	<ul style="list-style-type: none"> • On the index folder, for the InTrust Server account: Read and Modify file system permissions. If the index folder is shared: Read and Change share permissions. • On the repository folder, for the indexing account: Read and Modify file system permissions. If the repository folder is shared: Read and Change share permissions. • Active Directory delegation must be enabled for the following: <ul style="list-style-type: none"> • The account of the InTrust server that manages the repository • The user accounts that perform indexing • The user account that performs indexing must be a member of the computer local AMS Readers group on the InTrust Server that manages the repository and on the InTrust server that Repository Viewer connects to (these may be two different servers). 	

Operation	Permissions or Database Roles	Notes
	<ul style="list-style-type: none"> If the value of the IDX_IndexAccessCheckMode is 1 (not the default 0), then the file system and share permissions required for the repository are also required for the index. This is because index access permissions are verified using a file in the repository. The InTrust Server service account should be granted Read and Modify file system permissions to the repository folder (Read and Change share permissions if the repository folder is shared). 	

For information on specifying the accounts, permissions and database roles, see the [Deployment Guide](#). For details about configuration scripts, see the [Upgrade Guide](#).

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zlib 1.2.3

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