

# Ivanti Endpoint Security 8.5 Update 3

## Release Notes

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We're pleased to announce the release of Ivanti Endpoint Security (IES) 8.5 Update 3. Read these notes to find out what we've changed and what we've fixed.

## End of Life Notice

Note that IES 8.3 went into Self Service on 30/Sep/2018 and IES 8.4 goes into Self Service on 06/May/2019. Any customers on 8.4 or earlier releases should upgrade now to a supported release.

## Product Updates

### TLS 1.2 Support

Ivanti Endpoint Security encrypts communications between the Ivanti Endpoint Security Server and the Ivanti Endpoint Security Agent using Transport Layer Security (TLS). IES 8.5 Update 3 has been updated so that it is now fully compatible with TLS 1.2.

For customers that want to restrict IES to only use TLS 1.2, we have developed a utility which disables SSL 2.0, SSL 3.0, TLS 1.0 & TLS 1.1 and also forces the use of TLS 1.2. Contact Ivanti Support if you want to obtain this utility.

### File-type Filtering support expanded (Device Control)

The following additional file-types are now supported with the file-type filtering feature in the Device Control module so that administrators can grant or restrict read and/or write access for these file types:

- 7-Zip/Protected 7-Zip
- Zip/Protected Zip
- WinRAR/Protected WinRAR
- Microsoft CAB
- VHD
- GZIP
- ISO

### Manage Keyboards and Mice (Device Control)

To provide increased granularity for managing devices using Device Control, we've provided the ability to disable keyboards and mice. This provides the ability to block certain advanced technology keyboards and mice which have special capabilities like function keys which trigger built-in or programmable routines which could be taken over by keyloggers.

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The default behavior is that keyboards and mice are allowed by default (i.e. keyboards and mice are allowed devices for all users as in previous releases). However, keyboards and mice that use USB, PS/2 and Bluetooth can now be added to the device class and can then be explicitly denied.

## Endpoint Integrity Service (EIS) deprecated

The file verification feature within Ivanti Endpoint Security's Application Control module was designed to provide verification ratings for files in the Application Library and in conjunction with the Local Authorization feature. It was intended to provide customers with additional reassurance when authorizing applications for use in their network by providing a high/medium/low rating on assessed files.

Unfortunately, the feature has been unsuccessful in achieving its original design intent. In many cases, it's been unable to provide ratings for files such as application installers, which change frequently and often use temporary files during the installation process. In addition, it has proven difficult to obtain files or file hashes from reputable sources to maintain the database and ensure we can rate a high percentage of customer files. More recently, we have encountered issues with the infrastructure used to provide the ratings. Customers have received "Assessment failed" errors when attempting to run file assessments from the Application Library.

For these reasons, we have now decided to deprecate this feature and have removed references to it from within the product.

## Essential OS Maintenance

To maintain security and compatibility with more recent systems, we've updated Ivanti Endpoint Security to use .NET framework version 4.6.7 and this version is now a pre-requisite for IES installs. On both upgrades and new installs, IES will automatically check for and install the 4.6.7 version if it is not already installed. Note, however, that pre-requisites may need to be installed on some operating systems before IES can install .NET framework version 4.6.7.

In this release, we've also added support for Windows Server 2019 and SQL Server 2017. Supported Windows 2019 server flavors are: Standard, Essentials and Datacenter.

Note, however, that when reviewing job results, Windows 2019 servers will be listed as "Windows Server 2016". This is an informational string and does not impact on any functionality.

## Windows 10 version support

We've added support for Windows 10 version 1809 (OS build 17763).

Windows 10 version 1903 (May 2019 Update) was not released in time to test its compatibility with 8.5 U3. However, we plan to test it once it is released and will update these release notes to confirm whether it will be supported on 8.5 U3 or not.

Refer to the following community article for details of Windows version support with Ivanti Endpoint Security <https://forums.ivanti.com/s/article/Ivanti-Endpoint-Security-Heat-EMSS-Windows-10-Version-Support-Matrix>.

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## Bugs Fixed

The following customer support issues have been resolved in this release:

Problem ID	Title
63766	Content Wizard not working with TLS 1.0 disabled
64822	DC Module can be managed when not assigned in roles
65010	KB4057120 not showing as installed after installation

## Bugs Fixed from Ivanti Device and Application Control

The following customer support issues have been addressed in the version of the Ivanti Device and Application Control agent which is being used in Ivanti Endpoint Security 8.5 U3.

Problem ID	Title
RM 255126	Permissions issue with audio CD
56796	Authorization Wizard - Failed to scan path longer than 128 Char
RM 252951	Ivanti Device Control 5.0 CD/DVD Burning BSOD
64287	Windows 10 1703 - Ivanti DC 5.1.1 and FontDriverHost UMFD-0
63741	Win10 upgrade 1607/1706 to 1709 with IDAC 5.1.1
56854	After agent upgrade, keyboards mice and graphical cards are intermittently blocked with HP docking Station
63700	SK.sys causing system crash with subsequent boot failure
51087	Policy Not Updating on Windows 10 endpoints with large CCH/SKR files
64265	Cannot print anymore using Edge on Win10 (1709)
53871	Ivanti Device Control 5.0 user certificates not showing in Media Authorizer with MS CA centralized
65013	After Windows 10 where Client is installed updates to version 1709, Windows doesn't work properly.
66820	VSTS 446438 "Microsoft Usbccid Smartcard Reader (WUDF)" device not working properly on some Dell Latitude models with Windows 10 1709
64491	Issue with Surface Pro 4, Windows 10 1703 and Ivanti Device & Application Control Client 5.1 Update 1 (Computer hangs for few seconds before becoming ready when USB devices plugged in)
65653	Bitlocker Protection doesn't work without CD/DVD class permission being applied
65978	Client upgrade issue - SK.sys not updating if initial installation was LES 4.6 Update 2
66077	Device Explorer on Ivanti Device & Application Management Console unresponsive when accessed

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66704	Problem with generation of 'client status' report - max size reached (Report seems to 'hang' and not to fully generate)
66820	"Microsoft Usbccid Smartcard Reader (WUDF)" device not working properly on some Dell Latitude models with Windows 10 1709 (Status listed as 'This device is not working properly because Windows cannot load the drivers required for this device. (Code 31).
66926	SADEC (Standalone Decryption Tool) 5.1.1 & 5.1.2 disabling secondary SSD
66942	Device Explorer unresponsive when accessed (occurs if device devid = parent_devid)
67135	USB storage may have an identifier written with upper and lower case letters resulting in duplicate entries
67326	Cannot shutdown a computer after SADEC (Standalone Decryption Tool) version 5.1 Update 2 is installed
67349	Several Win10 1803 apps crash while starting when Ivanti Device & Application Control client agent is installed
67367	EMSS (DC) client cannot be uninstalled if "ProfileImagePath" Expendable String Value does not exist
67516	Log Explorer   Scheduled Reports   The email subject will show garbled characters (???) when Chinese characters are used

## How do I obtain 8.5 Update 3?

New Server Installs	Download the installer from the <a href="#">Ivanti Community Downloads page</a> .
Existing Installs (Upgrades)	Within the Ivanti Endpoint Security console, replicate with the Global Subscription Service. Then download the 8.5 Update 3 components using Installation Manager.

## How do I install the 8.5 Update 3 Server?

New Server Install	For new server installs, launch the installer you downloaded from the Ivanti Community.
Existing Server Upgrades	<ol style="list-style-type: none"> <li>1. Open the Ivanti Endpoint Security console.</li> <li>2. From the toolbar, select <b>Tools &gt; Launch Installation Manager</b>.</li> <li>3. Upgrade the manager when prompted.</li> <li>4. Select the <b>New/Update Components</b> tab.</li> <li>5. Choose 8.5 Update 3 (8.5.0.40) and begin the upgrade.</li> </ol>

## How do I install the 8.5 Update 3 Agent?

New Agent Installs	<ol style="list-style-type: none"> <li>1. Log on to your endpoint.</li> <li>2. Open the Ivanti Endpoint Security console and select <b>Tools &gt; Download Agent Installer</b>.</li> <li>3. Select agent version 8.5.0.40 and run the installer.</li> </ol>
Existing Agent Upgrades	<ol style="list-style-type: none"> <li>1. Open the Ivanti Endpoint Security console and select <b>Manage &gt; Endpoints</b> from the navigation menu.</li> <li>2. Select endpoints to upgrade and click the <b>Agent Versions</b> button on the toolbar.</li> <li>3. From the toolbar, select <b>Tools &gt; Launch Installation Manager</b>.</li> <li>4. Apply the most recent version of the agent to your endpoints and click OK.</li> </ol>

## How do I determine if my upgrade was successful?

Server	From the Ivanti Endpoint Security console, navigate to <b>Help &gt; About</b> . Successful upgrades will display a <b>Server Suite Version</b> of 8.5.0.40.
Agent	From the Ivanti Endpoint Security console, navigate to <b>Manage &gt; Endpoints</b> . Successful agent upgrades will display a version of 8.5.0.40.

## Supported Operating System and Technologies

The following section reflects only the changes in the 8.5 U2 release. For more detailed information, refer to the Ivanti Endpoint Security System Requirements guide, which is located at <https://help.ivanti.com>.

### .NET Framework Requirements

Ivanti Endpoint Security requires installation of .NET Framework 4.6.7.

Required .NET Framework Version	Operating System Family
<p>Microsoft .NET Framework 4.6.7</p> <p><i>Note: Ivanti Endpoint Security provides the .NET Framework 4.6.7 installer during installation or upgrade (reboot required). However, pre-requisites may need to be installed on some Operating Systems prior to this.</i></p>	<ul style="list-style-type: none"> <li>• Microsoft Windows Server 2008 R2 SP1</li> <li>• Microsoft Windows Server 2008 SP2</li> <li>• Microsoft Windows Server 2012</li> <li>• Microsoft Windows Server 2012 R2</li> <li>• Microsoft Windows Server 2016</li> <li>• Microsoft Windows Server 2019</li> </ul>

### Supported Windows Operating Systems (Agent Installs)

Component	Required Utilities and Components
<p>Windows 10 (32- and 64-bit)</p> <p>For specific Windows 10 version support refer to the following articles:  <a href="#">Ivanti Endpoint Security Windows 10 Version Support Matrix</a>  <a href="#">Microsoft Support Windows Lifecycle Fact Sheet</a></p>	<ul style="list-style-type: none"> <li>• Education</li> <li>• Education N</li> <li>• Enterprise</li> <li>• Enterprise N</li> <li>• Enterprise 2015 Long Term Servicing Branch(LTSB)</li> <li>• Enterprise N 2015 LTSB</li> <li>• Professional</li> <li>• Professional N</li> </ul>
<p>Windows 8.1 (32- and 64-bit)</p>	<ul style="list-style-type: none"> <li>• Enterprise</li> <li>• Enterprise N</li> <li>• Professional</li> <li>• Professional N</li> </ul>
<p>Windows Embedded 8.1 (32- and 64-bit)</p>	<ul style="list-style-type: none"> <li>• Industry Pro</li> <li>• Industry Enterprise</li> </ul>



Component	Required Utilities and Components
Windows 7 SP1 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Professional</li><li>• Enterprise</li><li>• Ultimate</li></ul>
Windows Server 2019 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Standard</li><li>• Datacenter</li><li>• Essentials</li></ul>
Windows Server 2016 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Standard</li><li>• Datacenter</li><li>• Essentials</li></ul>
Windows Server 2012 R2 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Standard</li><li>• Datacenter</li><li>• Foundation</li><li>• Essentials</li></ul>
Windows Server 2012 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Standard</li><li>• Datacenter</li><li>• Foundation</li><li>• Essentials</li></ul>
Windows Storage Server 2012 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Standard</li><li>• Workgroup</li></ul>
Windows Server 2008 R2 SP1 (32- and 64-bit)	<ul style="list-style-type: none"><li>• Enterprise</li><li>• Standard</li><li>• Web</li></ul>