



Intel® Setup and Configuration Software (Intel® SCS)

Release Notes

Intel® SCS Version: 12.2

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1 Introduction

This document describes new features and changes made in this release of the Intel® Setup and Configuration Software (Intel® SCS).

1.1 What is Intel SCS?

Intel® Setup and Configuration Software (Intel® SCS) is a collection of software components and utilities developed by Intel. You can use Intel SCS to discover, configure, and maintain Intel products and capabilities on the platforms in your network. Intel SCS includes these components:

- **Remote Configuration Service (RCS)** – The RCS is a Windows* based service that runs on a computer in the network. The RCS can process configuration requests sent by the other Intel SCS components. In database mode, the RCS also handles storage of data collected and sent to the RCS by other Intel SCS components.
For more information, see [Setting up the RCS](#).
- **Console** – The Console is the user interface to the RCS. You can use the Console to create and edit configuration profiles for supported Intel products and capabilities. In database mode, the Console also lets you view data about Intel products that was sent to the RCS. Database mode also includes additional options for Intel AMT. These options include monitoring Intel AMT systems and creating and running “Jobs” on multiple Intel AMT systems.
For more information, see [Using the Console](#).
- **Configurator** – The Configurator (`ACUConfig.exe`) is used to configure Intel AMT (only) and runs locally on each Intel AMT system. You can use the Configurator to configure the system locally or send a configuration request to the RCS.
For more information, see [Using the Configurator](#).
- **Intel AMT Configuration Utility** – This utility (`ACUWizard.exe`) is a wizard that you can use to quickly configure individual systems or create XML profiles for host-based configuration using the Configurator. This utility does not interface with the RCS and cannot be used to send requests or data to the RCS. For more information, refer to the [Intel \(R\) _AMT_ Configuration Utility.pdf](#).
- **Remote Configuration Service Utility** – The RCS Utility (`RCSUtils.exe`) is used to do some of the tasks necessary when installing the RCS.
- **Database Tool** – The Database Tool (`DatabaseTool.exe`) is used to do some of the tasks necessary when installing the RCS in database mode. For example, creating the Intel SCS database.
- **Encryption Utility** – The Encryption Utility (`SCSEncryption.exe`) is used to encrypt/decrypt XML files used by Intel SCS.

1.2 Supported Operating Systems

This table describes on which operating systems the main Intel SCS components of this release can run.

Table 1-1: Supported Operating Systems

Version	Configurator	RCS	Console
Windows* 10 Pro	Yes	No	No
Windows 10 Enterprise	Yes	No	No
Windows 8.1 Pro	Yes	No	No
Windows 8.1 Enterprise	Yes	No	No
Windows 7 Professional (SP1)	Yes	Yes	Yes
Windows 7 Enterprise (SP1)	Yes	Yes	Yes
Windows Server* 2016	Yes	Yes	Yes
Windows Server 2012 R2	Yes	Yes	Yes
Windows Server 2012	Yes	Yes	Yes

* Other names and brands may be claimed as the property of others.

Additional Requirements

- The Console works with any 4.x version of Microsoft .NET Framework* (SP1) installed on the computer. This is also true for the wizard version of the Installer used to install the RCS and the Console (`IntelSCSInstaller.exe`), and the Database Tool.
- If you are installing the RCS in database mode, the Microsoft SQL Server Native Client must be installed on the computer. If the client is not installed, the RCS cannot connect to the database. Please refer to www.microsoft.com to find the latest version of this client for the SQL Server version you are running.
- Intel SCS components can run on operating systems installed with these languages: Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Portuguese-Brazilian, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish.
- For non-English languages, Intel SCS must be installed as a Microsoft Active Directory Service User account with a known password.
- Intel SCS does not support Non-Latin or Extended Latin characters in filenames or values in the XML files.
- A minimum screen resolution of 1024 x 768 is necessary to use the Console. The 800 x 600 screen resolution is not supported.

2 New Features and Changes

This section describes the main new features and changes included in this release.

2.1 Added support for TLS 1.2

Intel SCS now supports Transport Layer Security (TLS) v1.2 for remote configuration with PKI.

2.2 TLS is now the default for Intel AMT connection in profiles

When creating a new profile or editing an existing profile using Intel SCS Console, TLS is enabled by default. If you deselect this option in order to use MD5 to connect to Intel AMT, a pop-up warning is displayed informing you of the inherent vulnerabilities of using MD5 authentication.

2.3 Strengthened encryption algorithm

This version of Intel SCS has a strengthened encryption algorithm for XML files. If you have profiles or networksettings.xml files from Intel SCS 12.1 or older, you must use `SCSEncryption.exe` to first decrypt and then re-encrypt them to the new algorithm. Intel SCS cannot decrypt files encrypted using the old algorithm.

2.4 Removed USB key configuration capability

The ability to use a USB key to configure Intel® AMT capable devices has been removed from this release of Intel SCS. You can still use the Intel AMT SDK tools to perform manual configuration via a USB key. For more information on this, consult your Intel AMT SDK documentation.

 **Note:**

Currently there are no encryption mechanisms employed when creating or using a USB memory device to provision Intel® AMT (even when using the “scramble” option). Be sure to store the USB device in a secure location and restrict access and use.

2.5 Removed online help button in UI

The online help button has been removed from the Intel SCS user interface. To launch the online help in a browser window, navigate to **C:\Program Files (x86)\Intel\SCS12.2\Console\helpfiles\en-us** and double-click the file **Default.htm**. Or you can refer to the PDF format product documentation.

2.6 Removed standalone discovery utility

The standalone discovery utility SCSDiscovery.exe has been removed. For system discovery functionality, please use the Configurator command SystemDiscovery or perform discovery using the RCS. See the Intel SCS User Guide for details.

2.7 Added support for Microsoft* DCH based driver install packaging

Intel SCS now additionally supports Microsoft DCH based driver install packaging for the Intel® Manageability Engine (Intel® ME) driver.

3 Known Issues

This table describes known issues with this release of Intel SCS.

Issue Description	Impact/Solution
When upgrading to Intel SCS 12.2, the Windows Registry value for TLS opt-in is set to 0 (disabled) by default.	The TLS opt-in Registry value is set to 0 by default, and must be manually changed to 1 (TLS10_OPT_IN_VAL=1) to enable TLS 1.0 support on legacy AMT platforms.
When configuring 802.1x on an Intel AMT capable device with Intel AMT version 12, Intel SCS may enter an infinite loop.	To avoid this scenario, upgrade the Intel AMT 12 firmware on your Intel AMT capable devices to the latest version, available from your device manufacturer's website.