RELEASE NOTES

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Intel® Manageability Commander 2.0

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1 Introduction

Intel® Manageability Commander is a lightweight console used to connect with and utilize the features of Intel® Active Management Technology (Intel® AMT). Through this software, users will be able to connect to activated Intel® AMT devices and perform functions such as power control, remote desktop, hardware inventory, remote terminal, and more.

Additionally, this software will integrate with Microsoft* System Center Configuration Manager (SCCM) version 1511 and later. When deployment wake events are triggered in SCCM, Intel® Manageability Commander will also attempt to perform an Intel® AMT power-on action. You can manually power on collections in SCCM by right-clicking them in Intel® Manageability Commander.

You can also launch Intel® Manageability Commander on a per-system basis by right-clicking the specific system in SCCM. The resulting context menu lets you use Intel® Manageability Commander to remotely power on supported Intel® AMT client systems directly from SCCM.

2 Supported Operating Systems

As a stand-alone application, Intel® Manageability Commander can be installed on the following operating systems:

- Windows 7*
- Windows 8.1*
- Windows 10*
- Windows Server 2012*
- Windows Server 2012 R2*
- Windows Server 2016*

3 Differences Between Version 1.0 and Version 2.0

Intel® Manageability Commander version 2.0 is different from the previous version in the following ways:

- Intel® Manageability Commander 2.0 supports connections to systems running Intel® AMT version 7.0 and newer only, due to removal of TLS 1.0 protocol support.
- Unlike Intel® Manageability Commander 1.0, version 2.0 does not include the Serial-over-LAN, Audit Log, System Defense, and Import/Export System List features. These features may be included in future releases.
- Integration of Intel® Manageability Commander 2.0 into Intel® Setup and Configuration Service (Intel® SCS) is currently limited to version 12 and later of Intel® SCS.

Intel® Manageability Commander 2.0 does include the following features: Adding Systems, System Status, Remote Desktop, Storage Redirection, Hardware Information, Event Log, Network Settings, User Accounts, Alarm Clocks, and Audit Log viewing.

4 Fixed Defects

Table 4.1 lists the fixed defects in the Intel® Manageability Commander version 2.0 software.

Table 4.1: List of fixed defects

Description
Powering off a system using Intel® Manageability Commander uses the Intel® AMT power control feature and is outside of the operating system. This means that an OS-based reboot or power-down is not possible. Over time, repeated use of this feature could lead to corruption in the operating system. This is the expected behavior of the Intel® AMT power off command for all versions of Intel® AMT. This is no longer an issue because a soft-off power action has been added, which allows for an OS-based shutdown.
When using the Kerberos token parameter in the Intel® Manageability Commander connection settings, the Intel® AMT port must be appended to the end of the FQDN. This is no longer an issue because the token parameter has been removed from the connection settings dialog.
Changing user consent settings during an active KVM session applies the change to Intel® AMT. Remote sessions to Intel® AMT must be disconnected before updating this setting. This is no longer an issue because the UI prevents modifying user consent settings during an active KVM session.
Remote Desktop only works with default settings.
During a KVM session some hotkeys (including insert and delete) are not passed through to the KVM session.
No errors are shown when invalid data is input on the Internet Settings or Wireless Profile pages. This is no longer an issue because user input validation has been added.
Expired Kerberos tickets cause authentication error.
The installer's modify option fails to detect which components are installed.
Event log doesn't show items until refreshed.
A cryptic error message is displayed after attempting to create two Intel® AMT users with the same name. This issue has been resolved as user input validation has been added.
The Wireless Interface dialog box sometimes incorrectly shows the radio state as disconnected, and no SSID.
In IDE-R, the power-up commands don't match the media selection types. ISO and CD-ROM are being used interchangeably, making the user experience confusing.
Intel® Manageability Commander fails to wake machines when a mass wake is performed from SCCM, or when utilizing Intel® AMT Wake with a deployment. When performing a mass wake from SCCM on a collection, Intel® Manageability Commander will remain open so that the per-system status can be reviewed. However, when Intel® AMT wake is used as part of a deployment, Intel® Manageability Commander will exit when done so that additional deployments are not blocked.

Description
Digest authentication credentials cannot be used when utilizing Intel® Manageability Commander mass wake from SCCM. Only Kerberos authentication is supported for mass wake operations. When performing a mass wake from SCCM on a collection, Intel® Manageability Commander will prompt the user for the optional use of TLS for the remote connections. However, when Intel® AMT wake is used as part of a deployment, Intel® Manageability Commander will default to using TLS for all remote connections.
The Remote Secure Erase feature has been temporarily disabled in the latest release.
When user consent is set to “Always Required”, the power-up to BIOS power command will now provide useful feedback instead of a failure message.
Support provided for establishing TLS connections in an isolated, DMZ network environment.

5 Known Issues

Table 5.1 lists the known issues in Intel® Manageability Commander version 2.0.

Table 5.1: List of outstanding known issues

Description
Using the RLE8 or RAW8 image encodings with the KVM feature may result in connection issues on some systems.
Due to removal of TLS 1.0 protocol support, attempts to connect to systems running Intel® AMT version 9.0 and older result in a timeout error.
Exporting the list of computers from Intel® Setup and Configuration Service (Intel® SCS) to Intel® Manageability Commander 2.0 is currently only supported in Intel® SCS version 12 and later.