

Intel[®] Setup and Configuration Software

(Intel[®] SCS)

Platform Discovery Utility

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1 Introduction

This document describes how to install and use the Platform Discovery Utility component of the Intel® Setup and Configuration Software (Intel® SCS) suite. The utility is designed to work standalone, but for greater functionality can be integrated with other components of the Intel® SCS. Visit the Intel® SCS website at <https://www-ssl.intel.com/content/www/us/en/software/setup-configuration-software.html> for documentation and downloads.

1.1 About Platform Discovery Utility

The Platform Discovery Utility (PlatformDiscovery.exe) is used to discover Intel® products and capabilities that exist on your platforms. This utility returns data about the hardware and software of each Intel® product that exists on your platforms. You can use this data to determine which Intel® products you can enable on your platforms, and which software or hardware updates are required.

1.2 Platform Discovery Utility Usage

The Platform Discovery Utility (PlatformDiscovery.exe) must be run on the host platform. When the application is launched from an administrator command prompt, the utility outputs XML formatted information to the command prompt window. The XML data shows information about different Intel® products that may be found on the system. This XML data may be collected and reported to determine Intel® product information across an entire infrastructure. For instructions of integration of this data into Microsoft* SCCM, please refer to the user guide in the Intel® SCS Add-on for Microsoft* System Center Configuration Manager found on the Intel® SCS website.

1.3 Supported Intel Products

The Platform Discovery Utility can discover data from these products:

- Intel® AMT
- Intel® SSD Professional Family:
 - Intel® SSD Pro 1500 Series
 - Intel® SSD Pro 2500 Series
- Intel® Enterprise Digital Fence
- Intel® Identity Protection Technology with One Time Password (Intel® IPT with OTP)
- Intel® Identity Protection Technology with Public Key Infrastructure (Intel® IPT with PKI)
- Intel® WiGig
- Intel® Smart Connect Technology
- Intel® Anti-Theft Technology
- Location Based Service
- Intel® WiDi
- Intel® Authenticate



2 Prerequisites

2.1 Supported Operating Systems

Supported Operating Systems	
Version	Platform Discovery
Microsoft® Windows* 10 Enterprise	Yes
Microsoft® Windows* 10 Pro	Yes
Microsoft® Windows* 8.1 Pro	Yes
Microsoft® Windows 8.1 Enterprise	Yes
Microsoft® Windows 8 Pro	Yes
Microsoft® Windows 8 Enterprise	Yes
Microsoft® Windows 7 Professional	Yes
Microsoft® Windows 7 Enterprise (SP1)	Yes
Microsoft® Windows Server* 2012 R2	No
Microsoft® Windows Server 2012	No
Microsoft® Windows Server 2008 R2 (SP2)	No
Microsoft® Windows Server 2008 (SP2)	No

2.2 Required User Permissions

The Platform Discovery Utility requires administrator permissions on the host platform. The local user account running the Platform Discovery Utility must have administrator permissions in the operating system. On operating systems with User Account Control (UAC), the Platform Discovery Utility must be able to **Run as Administrator**.



3 Usage

The Platform Discovery Utility reports information in XML format to the console. To see this data, an administrator would open a command prompt, then run the Platform Discovery Utility, and view the content while the Utility is being run. The information is not saved. To save this data to a file, redirect the output with a redirection command such as "*PlatformDiscovery.exe > output.xml*".

3.1 Command Line Options

You can use any of these global command options from the Command Line Interface:

- **/?** –Displays the help
- **/ReportToRCS RCSaddress** – Sends platform discovery data to the RCS at the specified address. To Integrate with an Intel® SCS RCS server, please visit the Intel® SCS website at: <https://www-ssl.intel.com/content/www/us/en/software/setup-configuration-software.html>
- **/List** – Displays a list of the solutions that this version of the utility can discover (instead of performing discovery)
- **/LogFile** or **<logfile>** – Creates a log file. If the command is supplied without the filename parameter, a new log file will then be created each time a discovery is run. If a filename is supplied, then the existing file will be overwritten each time a new discovery is run.
- **/Verbose** – Changes the logging level to verbose, a detailed log.

3.1.1 Solution GUIDs

Each solution that is supported by the Solutions Framework is assigned a Globally Unique Identifier (GUID).

Solution GUIDs	
Solution/Product	GUID
Intel AMT	a5e80b51-5429-4904-b412-589470884e97
Intel SSD Professional Series	0b93a9cb-64b1-43ed-bc33-e5b0b8692694
Intel Enterprise Digital Fence	e8c6bb4d-eda0-4859-bc7a-197cf252cf88
Intel Identity Protection Technology with OTP	7144b5b8-6883-44a9-80a2-c112ce6d6d7f
Intel Identity Protection Technology with PKI	34e60d6a-457a-483b-82ee-cb4f5ba6f542
Intel WiGig	958f5db1-b722-4fd4-8d5d-68c572751ec3
Intel Smart Connect Technology	a543b148-407c-419d-ab91-6a26af664828
Intel Anti-Theft Technology	8f14b6c3-9981-4347-8f05-08582591f486
Location Based Service	8d101420-2d30-4ff4-b18a-1da73e67d0ef
Intel WiDi	045964d1-6e6a-421a-b161-fd539f14f21f
Intel Authenticate	b4efb937-7caf-4b51-bc30-2224c5790f11

4 XML Reference

Table 1: XML Elements Reference List

Element	Description
<PlatformDiscovery>	A normal (root) element containing all the child elements of the XML document. The version attribute of the start tag of this element defines the version of the Platform Discovery Utility (PlatformDiscovery.exe) that created the XML document.
<Framework>	A void element containing attributes describing the Host Solution Manager on the host platform. Possible attributes: <ul style="list-style-type: none"> available – Whether the Host Solution Manager is installed (true or false) version – The version of the Host Solution Manager
<Solution>	A normal element containing attributes and child elements describing a specific solution. Possible attributes of the start tag of this element: <ul style="list-style-type: none"> uuid – The Globally Unique Identifier (GUID) of the solution name – The descriptive name of the solution exist – Indicates if the platform includes all the necessary hardware and firmware required by the solution (true or false) managed – Indicates if the Solutions Framework is capable of managing the solution (true or false). For solutions, this element indicates if a host plugin is installed and working correctly. For Intel AMT, the value of this element is true if Intel AMT is in a “configured” state. (Intel AMT is not currently a “solution”). state – The state of the solution. The values of this attribute will vary according to the solution. Here are some examples: <ul style="list-style-type: none"> Intel AMT: {not supported unconfigured configured } Intel SSD Pro Series: {not supported not-ready ready} Intel Enterprise Digital Fence {not supported supported enabled disabled} Intel Smart Connect Technology: {not supported enabled disabled} Intel Anti-Theft Technology {not supported not-enrolled enrolled} Intel WiDi {not supported software ok update software} Intel Authenticate {not supported supported} Intel Identity Protection Technology with OTP { not supported supported } Intel Identity Protection Technology with PKI { not supported supported } <p>Note: <Solution> - This element is created for all solutions that the version of the Platform Discovery Utility supports, even if they do not exist on the platform. This means you can easily identify exactly which solutions a specific version of the Platform Discovery Utility tried to detect on the platform.</p>
<Hardware>	A void element containing attributes describing the hardware of the solution. Possible attributes: <ul style="list-style-type: none"> version – The version of the detected hardware <p>Note: Some solutions can include more than one hardware instance (for example, the platform might have two Intel SSD Pro Series disks). A <Hardware> element is created for each instance of hardware that is detected.</p>
<Software>	A void element containing attributes describing the software of the solution. Possible attributes: <ul style="list-style-type: none"> name – The name of the software required – Whether the solution requires software to operate (true or false) available – Whether the software is installed on the platform (true or false) version – The version of the software (if the software is installed)
<FrameworkPlugin>	A void element containing attributes describing the host plugin of the solution. Possible attributes: <ul style="list-style-type: none"> available – Whether a host plugin for this solution is installed on the platform (true or false) version – The version of the host plugin (if a host plugin is installed)



Note: For integration into the Intel® SCS Solution Framework, please visit the Intel® SCS website at: <https://www-ssl.intel.com/content/www/us/en/software/setup-configuration-software.html>

This chapter shows an example of what the Platform DiscoveryXML output looks like.

[start example]

```
<PlatformDiscovery version="11.0.0.68">
  <Framework available="true" version="11.0.0"/>
  <Solution uuid="a543b148-407c-419d-ab91-6a26af664828"
    name="Intel(R) Smart Connect Technology"
    exist="false"
    state="not supported"/>
  <Solution uuid="a5e80b51-5429-4904-b412-589470884e97"
    name="Intel(R) AMT"
    exist="true"
    managed="true"
    state="unconfigured">
    <Hardware version="Intel(R) Management Engine - 11.0.0.1202"/>
    <Software name="Intel(R) Management Engine Interface "
      required="true"
      available="true"
      version="11.0.0.1176"/>
    <FrameworkPlugin available="false"/>
  </Solution>
  <Solution uuid="0b93a9cb-64b1-43ed-bc33-e5b0b8692694"
    name="Intel(R) SSD Pro Series"
    exist="true"
    managed="true"
    state="ready">
    <Hardware version="INTEL SSDSC2BF180A4 - SC02"/>
    <FrameworkPlugin available="true" version="1.0.3.400"/>
  </Solution>
  <Solution uuid="8f14b6c3-9981-4347-8f05-08582591f486"
    name="Intel(R) Anti-Theft Technology"
    exist="false"
    state="not supported"/>
  <Solution uuid="8d101420-2d30-4ff4-b18a-1da73e67d0ef"
    name="Location Based Service"
    exist="false"
    state="not supported"/>
  <Solution uuid="e8c6bb4d-eda0-4859-bc7a-197cf252cf88"
    name="Intel(R) Digital Fence"
    exist="true"
    managed="true"
    state="supported">
    <Hardware version="INTEL SSDSC2BF180A4 - SC02"/>
    <Software name="Intel(R) Enterprise Digital Fence Service"
      required="true"
      available="true"
      version="1.0.827.0"/>
    <FrameworkPlugin available="true" version="1.0.827.0"/>
  </Solution>
  <Solution uuid="7144b5b8-6883-44a9-80a2-c112ce6d6d7f"
    name="Intel(R) Identity Protection Technology with OTP"
    exist="true"
    managed="false"
    state="supported">
    <Hardware version="Intel(R) Management Engine - 11.0.0.1202"/>
    <Hardware version="Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz - 000406E3"/>
    <Software name="Intel(R) Management Engine Interface "
      required="true"
      available="true"
      version="11.0.0.1176"/>
    <FrameworkPlugin available="false"/>
  </Solution>
  <Solution uuid="34E60D6A-457A-483B-82EE-CB4F5BA6F542"
    name="Intel(R) Identity Protection Technology with PKI"
    exist="true"
    managed="false"
    state="supported">
    <Hardware version="Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz - 000406E3"/>
    <Hardware version="Intel(R) Management Engine - 11.0.0.1202"/>
    <Software name="Microsoft Windows 8.1 Enterprise 64-bit"
      required="true"
      available="true"
      version="6.3.9600"/>
  </Solution>
</PlatformDiscovery>
```




```
<Software name="Intel(R) Management Engine Interface "
    required="true"
    available="true"
    version="11.0.0.1176"/>
<Software name="Intel(R) Dynamic Application Loader Host Interface Service"
    required="true"
    available="true"
    version="11.0.0.1176"/>
    <FrameworkPlugin available="false"/>
</Solution>
<Solution uuid="958F5DB1-B722-4FD4-8D5D-68C572751EC3"
    name="Intel(R) WiGig"
    exist="false"
    state="not supported"/>
<Solution uuid="B4EFB937-7CAF-4B51-BC30-2224C5790F11"
    name="Intel(R) Authenticate"
    exist="true"
    managed="false"
    state="supported">
    <Hardware version="Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz - 000406E3"/>
    <Hardware version="Intel(R) Management Engine - 11.0.0.1202"/>
    <Software name="Microsoft Windows 8.1 Enterprise 64-bit"
        required="true"
        available="true"
        version="6.3.9600"/>
    <Software name="Intel(R) Management Engine Interface "
        required="true"
        available="true"
        version="11.0.0.1176"/>
    <Software name="Intel(R) Dynamic Application Loader Host Interface Service"
        required="true"
        available="true"
        version="11.0.0.1176"/>
    <FrameworkPlugin available="false"/>
</Solution>
<Solution uuid="045964d1-6e6a-421a-b161-fd539f14f21f"
    name="Intel(R) WiDi"
    exist="false"
    managed="false"
    state="not supported">
    <Hardware version="Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz - 000406E3"/>
    <Hardware version="Intel(R) Management Engine - 11.0.0.1202"/>
    <Hardware version="Intel(R) HD Graphics 520 - 20.19.15.4360"/>
    <Hardware version="Intel(R) Dual Band Wireless-AC 8260 -
PCI\VEN_8086&DEV_24F3&SUBSYS_00108086&REV_2A\3413E8FFFF3666E500"/>
    <Software name="Microsoft Windows 8.1 Enterprise 64-bit"
        required="true"
        available="true"
        version="6.3.9600"/>
    <Software name="WiDiApp not installed" required="true" available="false"/>
    <Software name="WiDi Graphics Package"
        required="true"
        available="true"
        version="Present"/>
    <Software name="Intel(R) Dual Band Wireless-AC 8260"
        required="true"
        available="true"
        version="18.32.0.5"/>
    <FrameworkPlugin available="false"/>
</Solution>
</PlatformDiscovery>
```

[end example]