



Intel® Endpoint Management Assistant Configuration Tool (Intel® EMA Configuration Tool)

User Guide

Intel® EMA Configuration Tool Version: 1.0.3

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1 Introduction

The Intel® Endpoint Management Assistant Configuration Tool (Intel® EMA Configuration Tool) is a command line tool for discovering and outputting system information about the local system on which it is running. For an example of the system information discovered, see Section 3.2 By default the information it discovers is outputted to the local system's registry and the local console. You can also output to an XML file if desired, using command line parameters (see Section 3.1).

1.1 Supported Operating Systems

- Microsoft Windows 10
- Microsoft Windows 11

1.2 Supported Intel® AMT Versions

The Intel EMA Configuration Tool is supported on Intel® AMT 12 and higher.

1.3 What's New in This Release

- Previous versions of the tool were not reporting all relevant data for target systems that had been updated to Intel MEI driver version 2145.x.x.x and higher. This release fixes that defect, so that all relevant data is now reported.

Enhanced output (in all formats) to include additional SMBIOS and Intel ME Capabilities information for Intel AMT supported/enabled and Remote Secure Erase (RSE) supported/enabled. See the output examples under Section 3, "Usage" on page 3.

- SMBIOS SKU and version (SMBIOS)
- "AMT Supported" = The endpoint device is Intel AMT capable (SMBIOS)
- "AMT Enabled" = Intel AMT is in a working state on this endpoint (SMBIOS)
- "RSE Supported" = The SMBIOS is configured to support Remote Secure Erase (SMBIOS)
- "RSE Enabled" = Indicates whether Intel AMT is able to perform a Remote Secure Erase (MECapabilities)
- Supported power states and power state change capabilities information added to all output formats. See the output examples under Section 3, "Usage" on page 3. For detailed information on Intel AMT supported power states, see the [Intel AMT Implementation and Reference Guide](#).
- New reserved value "console" for parameter --filename, writes JSON formatted output directly to console. See Syntax under Section 3, "Usage" on page 3.
- Intel EMA Agent information added to all output formats. A value of "null" for these items indicates that the Intel EMA agent is not present on this endpoint system. See the output examples under Section 3, "Usage" on page 3.
 - EndpointID = This is the NodeID value in the endpoint's registry.
 - EndpointGroupID = This is the MeshID value in the endpoint's registry.
 - EndpointGroupName = This is the MeshName value in the endpoint's registry.

2 Installation

The following sections describe how to install and uninstall Intel EMA Configuration Tool.

2.1 Interactive Install

1. In Windows Explorer, navigate to where the MSI file is located in the artifacts.
2. Double-click the MSI file and follow the prompts.
3. Repeat this to repair or uninstall the product.

2.2 Silent Install

1. Navigate to where the MSI file is located in the artifacts.
2. Execute either of the following commands.
 - `>.\EMAConfigTool.msi -q`
 - `>msiexec.exe /q /i EMAConfigTool.msi`

2.3 Silent Uninstall

1. Navigate to where the MSI file is located in the artifacts.
2. Execute the following command.
 - `>msiexec.exe /q /x EMAConfigTool.msi`

3 Usage

To use the Intel EMA Configuration Tool, do the following on the system on which it is installed:

1. Open a command prompt (alternatively, you can run the tool from within Windows PowerShell*).
2. Navigate to the installation folder (default **C:\Program Files (x86)\Intel\EMAConfigTool**).
3. Enter the command **EMAConfigTool.exe** and any desired parameters (see Section 3.1 below).

3.1 Syntax

--noregistry	Prevent writing to registry. By default data is saved to registry.
--noconsole	Do not send output to console.
-v, --verbose	Write all available Intel ME attributes to console. This includes certificate hashes and more. All available attributes are always written to registry and/or file.
--writejson	Specifies that the output should be written to an json file.
--writexml	Specifies that the output should be written to an xml file.
--filepath	Optional directory where to save the xml and/or json output file; must be used with file output option. Default is current directory. If both --writejson and --writexml parameters are used, both output files will be written to this directory.
--filename	Optional specified filename, must be used with file output option. Default is [hostname]_System_Summary.xml/json. If both --writejson and --writexml parameters are used, both output files will use this filename, with appropriate extension (.xml, .json). You can add the value console to the --filename parameter to send JSON formatted output directly to the console. --filename console
--delaystart	Optional delay in seconds before system is analyzed. Default is 0 secs. Valid range [0..600] secs.
--delayterm	Optional delay in seconds after system is analyzed before process terminates. Only applied when writing discovery results to console. Default is 5 secs. Valid range [0..600] secs.
--help	Display help text.

3.2 Output

By default the Intel EMA Configuration Tool writes its output to the local system's registry, as well as the system console. You can change this by using the **--noregistry** and **--noconsole** parameters. Registry output is written to HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Intel EMA Configuration Tool.

The following is an example of the output from the Intel EMA Configuration Tool. Information that could be used to identify the system on which it was generated has been removed.

Intel EMA Configuration Tool

Application Version: 1.0.2.74
Scan Date: 7/12/2021 12:19:16 PM
*** Host Computer Information ***
Computer Name: <name>
Manufacturer: Intel Corporation
Model: CometLake Client Platform
Processor: Intel(R) Core(TM) i7-10810U CPU @ 1.10GHz
Windows Version: Microsoft Windows 10 Pro
BIOS Version: CMLSFWR1.R00.2064.D00.2002070633
UUID: <uuid>
*** SMBIOS Information ***
AMT Supported: True
AMT Enabled: True
SMBIOS ME SKU: Intel(R) Full AMT Manageability
SMBIOS ME Version: 14.0.46.1431
KVM Supported: True
SOL Supported: True
USB-R supported in BIOS: True
RSE Supported: True
*** ME Information ***
Version: 14.0.46.1431
SKU: Intel(R) Full AMT Manageability
State: Provisioned
Control Mode: Admin
Driver Installed: True
Driver Version: 2040.100.0.1029
PKI DNS Suffix: Not Found
LMS State: Running
LMS Version: 2040.100.0.1029
MicroLMS State: NotPresent
EHBC Enabled: False
*** ME Capabilities ***
AMT in Enterprise Mode: True
TLS Enabled: True
HW Crypto Enabled: True
Current Provisioning state: POST_PROVISIONING_STATE
NetworkInterface Enabled: True

SOL Enabled: True
IDER Enabled: True
FWUpdate Enabled: False
LinkIsUp state: False
KVM Enabled: True
RSE Enabled: True
*** Power Management Capabilities ***
Supported Power States:
5: PowerCycle_Off_Soft
8: Off_Soft
2: On
10: Master_Bus_Reset
11: NMI
4: SleepDeep
7: Hibernate
12: Off_Soft_Graceful
14: MasterBusReset_Graceful
Power Change Capabilities:
2: On
3: SleepLight
4: SleepDeep
7: Hibernate
8: Off_Soft
*** CIRA Information ***
CIRA Server: Not Found
CIRA Connection Status: NOT_CONNECTED
CIRA Connection Trigger: USER_INITIATED
*** ME Wired Network Information ***
Wired Interface Enabled: True
Link Status: Down
IP Address: 0.0.0.0
MAC Address: 90:49:FA:06:48:8C
DHCP Enabled: True
DHCP Mode: Active
DNS Suffix (from OS): Not Found
*** ME Wireless Network Information ***
Wireless Interface Enabled: False

Link Status: Down

IP Address: 0.0.0.0

MAC Address: Information Unavailable

DHCP Enabled: True

DHCP Mode: Unknown

*** Last AMT Provisioning Attempt Details ***

Host Initiated: True

Provisioning TLS Mode: PKI

Provisioning Root Cert: <<cert hash here>>

Provisioning Cert Hash Type: SHA256

Provisioning Server FQDN: intel.vprodemo.com

Provisioning Server IP: 192.168.0.75

Secure DNS Mode: False

TLS Start Time: 4/29/2021 3:13:55 PM

*** Root Certificate Hash Entries ***

Root Cert 1: Go Daddy Class 2 CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 2: Go Daddy Root CA - G2, SHA256, <<cert hash here>>, Active, Default;

Root Cert 3: Comodo AAA CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 4: Starfield Class 2 CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 5: Starfield Root CA - G2, SHA256, <<cert hash here>>, Active, Default;

Root Cert 6: VeriSign Class 3 Primary CA-G5, SHA256, <<cert hash here>>, Active, Default;

Root Cert 7: Baltimore CyberTrust Root, SHA256, <<cert hash here>>, Active, Default;

Root Cert 8: Cybertrust Global Root, SHA256, <<cert hash here>>, Active, Default;

Root Cert 9: Verizon Global Root, SHA256, <<cert hash here>>, Active, Default;

Root Cert 10: Entrust.net CA (2048), SHA256, <<cert hash here>>, Active, Default;

Root Cert 11: Entrust Root CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 12: Entrust Root CA - G2, SHA256, <<cert hash here>>, Active, Default;

Root Cert 13: VeriSign Universal Root CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 14: Affirm Trust Premium, SHA256, <<cert hash here>>, Active, Default;

Root Cert 15: DigiCert Global Root CA, SHA256, <<cert hash here>>, Active, Default;

Root Cert 16: DigiCert Global Root G2, SHA256, <<cert hash here>>, Active, Default;

Root Cert 17: DigiCert Global Root G3, SHA256, <<cert hash here>>, Active, Default;

Root Cert 18: DigiCert Trusted Root G4, SHA256, <<cert hash here>> Active, Default;

Root Cert 19: GlobalSign NP RSA CA 2018, SHA256, <<cert hash here>>, Active, Default;

Root Cert 20: GlobalSign NP ECC CA 2018, SHA256, <<cert hash here>>, Active, Default;

Root Cert 21: GlobalSign Root CA - R3, SHA256, <<cert hash here>>, Active, Default;

Root Cert 22: GlobalSign ECC Root CA - R5, SHA256, <<cert hash here>>, Active, Default;

Root Cert 23: GlobalSign Root CA - R6, SHA256, <<cert hash here>>, Active, Default;
Saving results in: .\\DESKTOP-E4102TM_System_Summary.xml
Saving results in: .\\DESKTOP-E4102TM_System_Summary.json
Pausing before ending process in 3 sec. The duration of this pause can be adjusted using the -
-delayterm option.

3.3 XML Output

The following is an example of the XML output from the Intel EMA Configuration Tool. Information that could be used to identify the system on which it was generated has been removed.

```
<?xml version="1.0" encoding="UTF-8"?>
<System>
  <ApplicationName>Intel EMA Configuration Tool</ApplicationName>
  <ScanDate>7/12/2021 12:19:16 PM</ScanDate>
  <ApplicationVersion>1.0.2.74</ApplicationVersion>
  <ComputerInfo>
    <ComputerName>computer name</ComputerName>
    <Manufacturer>Intel Corporation</Manufacturer>
    <Model>CometLake Client Platform</Model>
    <Processor>Intel(R) Core(TM) i7-10810U CPU @ 1.10GHz</Processor>
    <WindowsVersion>Microsoft Windows 10 Pro</WindowsVersion>
    <BIOSVersion>CMLSFWR1.R00.2064.D00.2002070633</BIOSVersion>
    <UUID>uuid</UUID>
  </ComputerInfo>
  <MEFirmwareInfo>
    <MEVersion>14.0.46.1431</MEVersion>
    <MESKU>Intel(R) Full AMT Manageability</MESKU>
    <MEProvisioningState>Provisioned</MEProvisioningState>
    <IsMEDriverInstalled>True</IsMEDriverInstalled>
    <MEDriverVersion>2040.100.0.1029</MEDriverVersion>
    <IsAMTProvisioned>True</IsAMTProvisioned>
    <IsAMTReadyForProvisioning>False</IsAMTReadyForProvisioning>
    <LMSState>Running</LMSState>
    <MicroLMSState>NotPresent</MicroLMSState>
    <IsEHBCEnabled>False</IsEHBCEnabled>
    <ControlMode>Admin</ControlMode>
    <PKIDNSSuffix>Not Found</PKIDNSSuffix>
  <MECapabilities>
```

```

<IsAMTSupported>True</IsAMTSupported>
<IsTLSEnabled>True</IsTLSEnabled>
<IsHWCryptoEnabled>True</IsHWCryptoEnabled>
<CurrentProvisioningState>POST_PROVISIONING_STATE</CurrentProvisioningState>
<IsNetworkInterfaceEnabled>True</IsNetworkInterfaceEnabled>
<IsSOLEnabled>True</IsSOLEnabled>
<IsIDEREnabled>True</IsIDEREnabled>
<IsFWUpdateEnabled>False</IsFWUpdateEnabled>
<LinkIsUpstate>False</LinkIsUpstate>
<IsKVMEnabled>True</IsKVMEnabled>
<IsRSEEnabled>True</IsRSEEnabled>
</MECapabilities>
<PowerStates>
<SupportedPowerStates>5: PowerCycle_Off_Soft</SupportedPowerStates>
<SupportedPowerStates>8: Off_Soft</SupportedPowerStates>
<SupportedPowerStates>2: On</SupportedPowerStates>
<SupportedPowerStates>10: Master_Bus_Reset</SupportedPowerStates>
<SupportedPowerStates>11: NMI</SupportedPowerStates>
<SupportedPowerStates>4: SleepDeep</SupportedPowerStates>
<SupportedPowerStates>7: Hibernate</SupportedPowerStates>
<SupportedPowerStates>12: Off_Soft_Graceful</SupportedPowerStates>
<SupportedPowerStates>14: MasterBusReset_Graceful</SupportedPowerStates>
<PowerChangeCapabilities>2: On</PowerChangeCapabilities>
<PowerChangeCapabilities>3: SleepLight</PowerChangeCapabilities>
<PowerChangeCapabilities>4: SleepDeep</PowerChangeCapabilities>
<PowerChangeCapabilities>7: Hibernate</PowerChangeCapabilities>
<PowerChangeCapabilities>8: Off_Soft</PowerChangeCapabilities>
<OtherPowerChangeCapabilities>None</OtherPowerChangeCapabilities>
</PowerStates>
<CIRAIInfo>
<Server>Not Found</Server>
<ConnectionStatus>NOT_CONNECTED</ConnectionStatus>
<IsCIRACConnected>False</IsCIRACConnected>
<ConnectionTrigger>USER_INITIATED</ConnectionTrigger>
</CIRAIInfo>
<WiredNetworkInfo>
<IsWiredInterfaceEnabled>True</IsWiredInterfaceEnabled>

```

```

<IsLinkUp>False</IsLinkUp>
<Ipv4Address>0.0.0.0</Ipv4Address>
<MACAddress>90:49:FA:06:48:8C</MACAddress>
<IsDHCPEnabled>True</IsDHCPEnabled>
<DHCPMode>Active</DHCPMode>
<DNSSuffixFromOS>Not Found</DNSSuffixFromOS>
</WiredNetworkInfo>
<WirelessNetworkInfo>
<IsWirelessInterfaceEnabled>False</IsWirelessInterfaceEnabled>
<IsLinkUp>False</IsLinkUp>
<Ipv4Address>0.0.0.0</Ipv4Address>
<MACAddress>Information Unavailable</MACAddress>
<IsDHCPEnabled>True</IsDHCPEnabled>
<DHCPMode>Unknown</DHCPMode>
</WirelessNetworkInfo>
<RootCertificates>
<Certificate>Go Daddy Class 2 CA, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>Go Daddy Root CA - G2, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Comodo AAA CA, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>Starfield Class 2 CA, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>Starfield Root CA - G2, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>VeriSign Class 3 Primary CA-G5, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Baltimore CyberTrust Root, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Cybertrust Global Root, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Verizon Global Root, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>Entrust.net CA (2048), SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Entrust Root CA, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>Entrust Root CA - G2, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>VeriSign Universal Root CA, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>Affirm Trust Premium, SHA256, <<cert hash here>>, Active, Default; </Certificate>
<Certificate>DigiCert Global Root CA, SHA256, <<cert hash here>>, Active, Default;
</Certificate>

```

```

<Certificate>DigiCert Global Root G2, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>DigiCert Global Root G3, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>DigiCert Trusted Root G4, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>GlobalSign NP RSA CA 2018, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>GlobalSign NP ECC CA 2018, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>GlobalSign Root CA - R3, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>GlobalSign ECC Root CA - R5, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
<Certificate>GlobalSign Root CA - R6, SHA256, <<cert hash here>>, Active, Default;
</Certificate>
</RootCertificates>
<LastProvisioningAttempt>
<IsHostInitiated>True</IsHostInitiated>
<ProvisioningTLSMode>PKI</ProvisioningTLSMode>
<ProvisioningRootCert> <<cert hash here>></ProvisioningRootCert>
<ProvisioningCertHashType>SHA256</ProvisioningCertHashType>
<ProvisioningServerFQDN>intel.vprodemo.com</ProvisioningServerFQDN>
<ProvisioningServerIP>192.168.0.75</ProvisioningServerIP>
<SecureDNSMode>False</SecureDNSMode>
<TLSStartTime>4/29/2021 3:13:55 PM</TLSStartTime>
</LastProvisioningAttempt>
</MEFirmwareInfo>
<SMBIOSFirmwareInfo>
<AMTSupported>True</AMTSupported>
<AMTEnabled>True</AMTEnabled>
<SMBIOSMESKU>Intel(R) Full AMT Manageability</SMBIOSMESKU>
<SMBIOSMEVersion>14.0.46.1431</SMBIOSMEVersion>
<KVMSupported>True</KVMSupported>
<SOLSupported>True</SOLSupported>
<USBRSupported>True</USBRSupported>
<IDERSupported>False</IDERSupported>
<RSESupported>True</RSESupported>
</SMBIOSFirmwareInfo>
<EMAAGentInfo>

```

```

<EndPointId>null</EndPointId>
<EndPointGroupId>null</EndPointGroupId>
<EndPointGroupName>null</EndPointGroupName>
</EMAAgentInfo>
</System>

```

3.4 JSON Output

The following is an example of the JSON output from the Intel EMA Configuration Tool. Information that could be used to identify the system on which it was generated has been removed.

```

{
  "?xml": {
    "@version": "1.0",
    "@encoding": "UTF-8"
  },
  "System": {
    "ApplicationName": "Intel EMA Configuration Tool",
    "ScanDate": "7/12/2021 12:19:16 PM",
    "ApplicationVersion": "1.0.2.74",
    "ComputerInfo": {
      "ComputerName": "name",
      "Manufacturer": "Intel Corporation",
      "Model": "CometLake Client Platform",
      "Processor": "Intel(R) Core(TM) i7-10810U CPU @ 1.10GHz",
      "WindowsVersion": "Microsoft Windows 10 Pro",
      "BIOSVersion": "CMLSFWR1.R00.2064.D00.2002070633",
      "UUID": "uuid"
    },
    "MEFirmwareInfo": {
      "MEVersion": "14.0.46.1431",
      "MESKU": "Intel(R) Full AMT Manageability",
      "MEProvisioningState": "Provisioned",
      "IsMEDriverInstalled": "True",
      "MEDriverVersion": "2040.100.0.1029",
      "IsAMTProvisioned": "True",
      "IsAMTReadyForProvisioning": "False",
      "LMSState": "Running",
      "MicroLMSState": "NotPresent",
      "IsEHBCEnabled": "False",

```

```

"ControlMode": "Admin",
"PKIDNSSuffix": "Not Found",
"MECapabilities": {
  "IsAMTSupported": "True",
  "IsTLSEnabled": "True",
  "IsHWCryptoEnabled": "True",
  "CurrentProvisioningState": "POST_PROVISIONING_STATE",
  "IsNetworkInterfaceEnabled": "True",
  "IsSOLEnabled": "True",
  "IsIDEREnabled": "True",
  "IsFWUpdateEnabled": "False",
  "LinkIsUpstate": "False",
  "IsKVMEnabled": "True",
  "IsRSEEnabled": "True"
},
"PowerStates": {
  "SupportedPowerStates": [
    "5: PowerCycle_Off_Soft",
    "8: Off_Soft",
    "2: On",
    "10: Master_Bus_Reset",
    "11: NMI",
    "4: SleepDeep",
    "7: Hibernate",
    "12: Off_Soft_Graceful",
    "14: MasterBusReset_Graceful"
  ],
  "PowerChangeCapabilities": [
    "2: On",
    "3: SleepLight",
    "4: SleepDeep",
    "7: Hibernate",
    "8: Off_Soft"
  ],
  "OtherPowerChangeCapabilities": "None"
},
"CIRAIInfo": {

```

```

"Server": "Not Found",
"ConnectionStatus": "NOT_CONNECTED",
"IsCIRACConnected": "False",
"ConnectionTrigger": "USER_INITIATED"
},
"WiredNetworkInfo": {
"IsWiredInterfaceEnabled": "True",
"IsLinkUp": "False",
"Ipv4Address": "0.0.0.0",
"MACAddress": "90:49:FA:06:48:8C",
"IsDHCPEnabled": "True",
"DHCPMode": "Active",
"DNSSuffixFromOS": "Not Found"
},
"WirelessNetworkInfo": {
"IsWirelessInterfaceEnabled": "False",
"IsLinkUp": "False",
"Ipv4Address": "0.0.0.0",
"MACAddress": "Information Unavailable",
"IsDHCPEnabled": "True",
"DHCPMode": "Unknown"
},
"RootCertificates": {
"Certificate": [
"Go Daddy Class 2 CA, SHA256, <<cert hash here>>, Active, Default; ",
"Go Daddy Root CA - G2, SHA256, <<cert hash here>>, Active, Default; ",
"Comodo AAA CA, SHA256, <<cert hash here>>, Active, Default; ",
"Starfield Class 2 CA, SHA256, <<cert hash here>>, Active, Default; ",
"Starfield Root CA - G2, SHA256, <<cert hash here>>, Active, Default; ",
"VeriSign Class 3 Primary CA-G5, SHA256, <<cert hash here>>, Active, Default; ",
"Baltimore CyberTrust Root, SHA256, <<cert hash here>>, Active, Default; ",
"Cybertrust Global Root, SHA256, <<cert hash here>>, Active, Default; ",
"Verizon Global Root, SHA256, <<cert hash here>>, Active, Default; ",
"Entrust.net CA (2048), SHA256, <<cert hash here>>, Active, Default; ",
"Entrust Root CA, SHA256, <<cert hash here>>, Active, Default; ",
"Entrust Root CA - G2, SHA256, <<cert hash here>>, Active, Default; ",
"VeriSign Universal Root CA, SHA256, <<cert hash here>>, Active, Default; ",

```

```

"Affirm Trust Premium, SHA256, <<cert hash here>>, Active, Default; ",
"DigiCert Global Root CA, SHA256, <<cert hash here>>, Active, Default; ",
"DigiCert Global Root G2, SHA256, <<cert hash here>>, Active, Default; ",
"DigiCert Global Root G3, SHA256, <<cert hash here>>, Active, Default; ",
"DigiCert Trusted Root G4, SHA256, <<cert hash here>>, Active, Default; ",
"GlobalSign NP RSA CA 2018, SHA256, <<cert hash here>>, Active, Default; ",
"GlobalSign NP ECC CA 2018, SHA256, <<cert hash here>>, Active, Default; ",
"GlobalSign Root CA - R3, SHA256, <<cert hash here>>, Active, Default; ",
"GlobalSign ECC Root CA - R5, SHA256, <<cert hash here>>, Active, Default; ",
"GlobalSign Root CA - R6, SHA256, <<cert hash here>>, Active, Default; "
]
},
"LastProvisioningAttempt": {
"IsHostInitiated": "True",
"ProvisioningTLSMode": "PKI",
"ProvisioningRootCert":
"C3:84:6B:F2:4B:9E:93:CA:64:27:4C:0E:C6:7C:1E:CC:5E:02:4F:FC:AC:D2:D7:40:19:35:0E:81:FE:54:6A:
E4",
"ProvisioningCertHashType": "SHA256",
"ProvisioningServerFQDN": "intel.vprodemo.com",
"ProvisioningServerIP": "192.168.0.75",
"SecuredDNSMode": "False",
"TLSStartTime": "4/29/2021 3:13:55 PM"
}
},
"SMBIOSFirmwareInfo": {
"AMTSupported": "True",
"AMTEnabled": "True",
"SMBIOSMESKU": "Intel(R) Full AMT Manageability",
"SMBIOSMEVersion": "14.0.46.1431",
"KVMSupported": "True",
"SOLSupported": "True",
"USBRSupported": "True",
"IDERSupported": "False",
"RSESupported": "True"
},
"EMAAGentInfo": {
"EndPointId": "null",

```

```
"EndPointGroupId": "null",  
"EndPointGroupName": "null"  
}  
}  
}
```

4 Known Issues

Below is the list of known issues in this version of Intel EMA Configuration Tool.

- On some systems, Intel EMA Configuration Tool may fail to load the embedded DLL, resulting in an error. If you encounter this issue, please contact Intel Customer Support. This issue is being actively investigated.
- On some systems, the last provisioning attempt is not reported back from Intel AMT. Furthermore, in some cases, when it is reported, the provisioning root certificate is displayed with all zeros. This is specific to some versions of Intel AMT. This issue is being actively investigated.
- You may notice some data differences between what the ACUConfig tool reported and what is reported by this release of the Intel EMA Configuration Tool. The Intel EMA Configuration Tool reports exactly what is reported back to it from Intel AMT and does not make any inferences from other data sources such as the operating system and SMBIOS. This is expected, but your feedback of such issues is welcome and will be considered in addressing these differences in future releases of this tool.