

Embedded Host Based Configuration (EHBC) feature of Intel AMT Enabled

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language=en&country=us&brand=EBG,TPG,IPG,MOTO,PHONE,TABLET,SMARTPHONE)

Lenovo Security Advisory: LEN-44725

Potential Impact: Insecure configuration

Severity: High

Scope of Impact: Lenovo-specific

CVE Identifier: CVE-2020-8353

Summary Description:

Prior to August 10, 2020, some Lenovo Desktop and Workstation systems were shipped with the Embedded Host Based Configuration (EHBC) feature of Intel AMT enabled. This could allow an administrative user with local access to configure Intel AMT.

The following products are affected if shipped before August 10, 2020:

- ThinkCentre M80t/s
- ThinkCentre M90t/s
- ThinkCentre M910z
- ThinkCentre M920s/t/q/z
- ThinkStation P330t/s
- ThinkStation P330 Tiny
- ThinkStation P340t/s

Mitigation Strategy for Customers (what you should do to protect yourself):

Use the Intel® AMT Configuration Utility 12.2.0.150 or later to verify the EHBC is enabled.

For this example, the command line interface of the configurator (ACUConfig.exe) is being used and is located in Configurator folder available in the Intel® Setup and Configuration Software (Intel® SCS) Kit in the screenshot below

At command prompt, browse to the directory where the ACUConfig.exe is located and type:

ACUConfig.exe /verbose /output console Status

```

**** Start CheckAMI ****
Connected to the Intel(R) Management Engine Interface driver, version 9.0.0.1221
**** Start FWUpdateData ****
**** END FWUpdateData ****
Intel(R) AMT in PROVISIONING_MODE_ENTERPRISE
**** END CheckAMI ****
**** Start GetAntFQDN ****
**** END GetAntFQDN ****
Calling function Discovery...
Calling function GetLocalSystemAccount over MEI...
Connected to the Intel(R) Management Engine Interface driver, version 9.0.0.1221
Function GetLocalSystemAccount over MEI ended successfully
Host Based Setup is supported
Current Control Mode: 0 (Not provisioned)
Allowed Control Modes: 2 (Admin) and 1 (Client)
Function Discovery ended successfully
**** Start UuidDiscovery ****
**** END UuidDiscovery ****
GetHostBaseAMTInfo output data:
IsAMI:True.
IsAntCapable:False.
IsEnterpriseMode:True.
ConfigurationMode:0.
IsRemoteConfEnabled:True.
AMTVersion:9.0.0.
IsMobile:True.
ProvisioningMode:2.
Uuid:88888888-8887-8888-8888-878888888888.
IsClientConfEnabled:True.
HostBasedSupport:True.
ConfigurationState:0.
FQDN:
EmbeddedConfigurationAllowed:True.
Retrieving machine status...
**** Start DisplayAMTInfo ****
Host information:
Uuid: 88888888-8887-8888-8888-878888888888
Intel(R) AMT version- 9.0.0
The system is unconfigured.
The system is setup using PKI.
The system supports host-based configuration.
AMT *****
**** The Embedded Host Based Configuration option is enabled on this system. ****
**** END DisplayAMTInfo ****
Exit with code 0 - Success.

```

To disable Intel EHBC:

ACUConfig.exe DisableEhbcState

References:

ACU config tool: [https://downloadcenter.intel.com/downloads/eula/26505/Intel-Setup-and-Configuration-Software-Intel-SCS-?](https://downloadcenter.intel.com/downloads/eula/26505/Intel-Setup-and-Configuration-Software-Intel-SCS-?httpDown=https%3A%2F%2Fdownloadmirror.intel.com%2F26505%2Feng%2FSCS_download_package_12.2.0.150.zip)
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Revision History:

| RevisionDate | Description |
|--------------|----------------------------|
| 1 | 2020-11-10 Initial release |

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