

Guidance for Upgrading the ME Firmware

Step1. Check if your system is AMT provisioned or not.

If your system is not AMT provisioned, go to Step2 and upgrade the ME firmware directly.

If your system was AMT provisioned, follow the instructions (step 1) to unprovision the system before upgrading the ME firmware:

http://www.intel.com/content/dam/support/us/en/documents/technologies/intel-active-management-technology-intel-amt/Firmware_Deployment_Process-Rev1.0.pdf

Step2. Upgrade ME Firmware

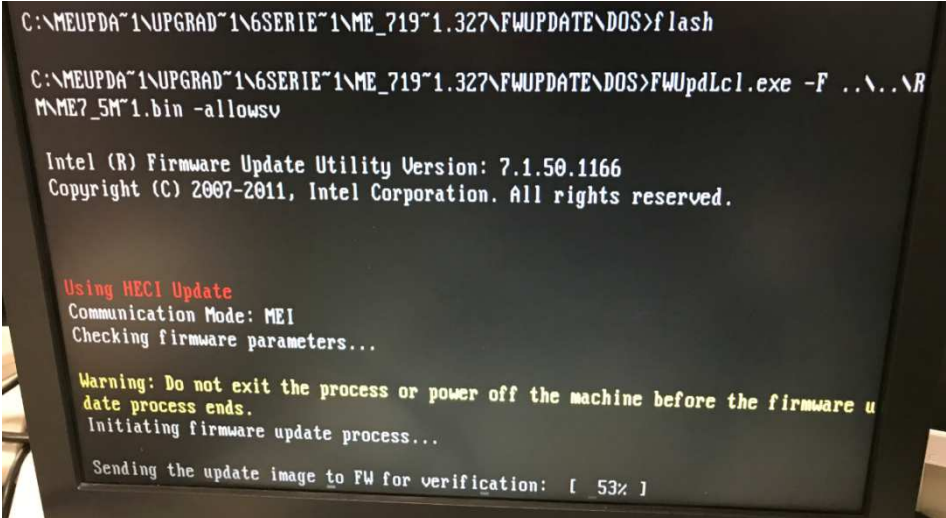
2-A. Download the ME upgrade package from the website:

https://us.answers.acer.com/app/answers/detail/a_id/47162

2-B. Choose one of the below environment to upgrade the ME:

➤ *Upgrade in DOS:*

Boot into DOS and find the ME upgrade package → FWUpdate
→ DOS → Execute Flash.bat



```
C:\MEUPDA~1\UPGRAD~1\6SERIE~1\ME_719~1.327\FWUPDATE\DOS>flash  
C:\MEUPDA~1\UPGRAD~1\6SERIE~1\ME_719~1.327\FWUPDATE\DOS>FWUpdLcl.exe -F ..\..\R  
M\ME7_5M~1.bin -allowsv  
Intel (R) Firmware Update Utility Version: 7.1.50.1166  
Copyright (C) 2007-2011, Intel Corporation. All rights reserved.  
  
Using HECI Update  
Communication Mode: MEI  
Checking firmware parameters...  
  
Warning: Do not exit the process or power off the machine before the firmware u  
date process ends.  
Initiating firmware update process...  
  
Sending the update image to FW for verification: [ 53% ]
```

- **Upgrade in Windows (*Intel AMT(ME) driver required*):**
 Boot into Windows and then launch command line with Administrator Authority, find the ME upgrade package → FWUpdate → Win or Win64 → Execute Flash.bat or FLASH_x64.bat

```
C:\Users\vd830_35\Desktop\Upgrade ME\7 series\ME_8.1.71.3608(20170516)\FWUpdate\WIN64>FLASH_x64.bat

C:\Users\vd830_35\Desktop\Upgrade ME\7 series\ME_8.1.71.3608(20170516)\FWUpdate\WIN64>FWUpdLc164.exe -F ..\..\ROM\ME8_5M_Production.bin -allowsv

Intel (R) Firmware Update Utility Version: 8.1.40.1456
Copyright (C) 2007 - 2013, Intel Corporation. All rights reserved.

Communication Mode: MEI
Checking firmware parameters...

Warning: Do not exit the process or power off the machine before the firmware update process ends.
Sending the update image to FW for verification: [ COMPLETE ]

FW Update: [ 60% <Stage: 15 of 19> (->)]
```

- **Upgrade in UEFI Shell:**
 Boot into EFI shell and find the ME upgrade package → FWUpdate → EFI64 → Execute Flash.nsh.

```
fs2:\ME_8.1.71.3608(20170516)\FWUpdate\EFI64> dir
Directory of: fs2:\ME_8.1.71.3608(20170516)\FWUpdate\EFI64

05/23/17 08:48p <DIR>          0 .
05/23/17 08:48p <DIR>          0 ..
05/16/17 04:14p                58 FLASH.NSH
08/06/13 12:17p           395,584 FWUpdLc1.efi
      2 File(s)          395,642 bytes
      2 Dir(s)

fs2:\ME_8.1.71.3608(20170516)\FWUpdate\EFI64> FLASH.NSH
FLASH.NSH> FWUpdLc1.efi -f ..\..\ROM\ME8_5M_Production.bin -allowsv

Intel (R) Firmware Update Utility Version: 8.1.40.1456
Copyright (C) 2007 - 2012, Intel Corporation. All rights reserved.

Communication Mode: MEI
Checking firmware parameters...

Warning: Do not exit the process or power off the machine before the firmware u
Sending the update image to FW for verification: [ 21% ]
```

2-C. Once the ME upgrade completed, reboot your system.

```
fs2:\ME_8.1.71.3608(20170516)\FWUpdate\EFI64> FLASH.NSH
FLASH.NSH> FWUpdLcl.efi -f ..\..\ROM\ME8_5M_Production.bin -allowsv

Intel (R) Firmware Update Utility Version: 8.1.40.1456
Copyright (C) 2007 - 2012, Intel Corporation. All rights reserved.

Communication Mode: MEI
Checking firmware parameters...

Warning: Do not exit the process or power off the machine before the
Sending the update image to FW for verification: [ COMPLETE ]

FW Update: [ 100% (Stage: 19 of 19) (|)]
FW Update is complete and a reboot will run the new FW.

fs2:\ME_8.1.71.3608(20170516)\FWUpdate\EFI64> _
```

Step3. Re-provision your system

Follow the instructions (step 3) to re-provision your system if necessary.

http://www.intel.com/content/dam/support/us/en/documents/technologies/intel-active-management-technology-intel-amt/Firmware_Deployment_Process-Rev1.0.pdf

Appendix A: Check if your system is Vulnerable or not

1. Download and install the **Intel-SA-00075 Discovery Tool**:

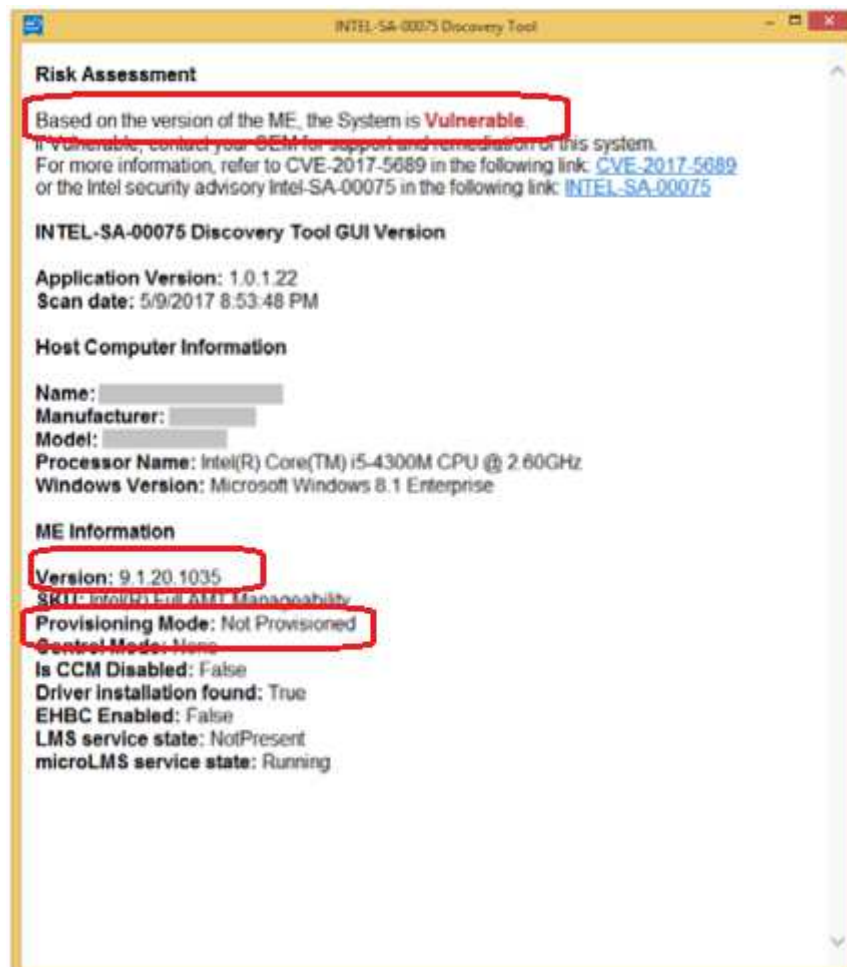
<https://downloadcenter.intel.com/download/26755>

The tool requires:

- Microsoft* .NET Runtime 4.0
- Microsoft Windows 7, 8, 8.1 or 10
- Local operating system administrative access

2. Double click the “Intel-SA-00075 Discovery Tool” icon on desktop

3. Check the information:



Appendix B: The resolved ME firmware version

Intel manageability firmware	Associated CPU Generation	Resolved Firmware X.X.XX.3XXX
6.0.xx.xxxx	1 st Gen Core	6.2.61.3535
6.1.xx.xxxx		6.2.61.3535
6.2.xx.xxxx		6.2.61.3535
7.0.xx.xxxx	2 nd Gen Core	7.1.91.3272
7.1.xx.xxxx		7.1.91.3272
8.0.xx.xxxx	3 rd Gen Core	8.1.71.3608
8.1.xx.xxxx		8.1.71.3608
9.0.xx.xxxx	4 th Gen Core	9.1.41.3024
9.1.xx.xxxx		9.1.41.3024
9.5.xx.xxxx		9.5.61.3012
10.0.xx.xxxx	5 th Gen Core	10.0.55.3000
11.0.xx.xxxx	6 th Gen Core	11.0.25.3001
		11.0.22.3001
		11.0.18.3003
11.5.xx.xxxx	7 th Gen Core	11.6.27.3264
11.6.xx.xxxx		11.6.12.3202