



How to Set Up AMT Machine?

Intel® Active Management Technology

Prepared by: LAN Team

Update: Aug 28, 2006

All trademarks, trade name, service marks and logos referenced herein belong to their respective companies.

© Copyright 2006 First International Computer, Inc, All rights reserved.

Enabling Intel® AMT

The default setting of ATM BIOS Support in BIOS is disabled. You need first to enable the ATM BIOS Support in Advanced Chipset Feature of BIOS Setup.

To enable Intel Management Engine on the target platform, perform the following steps 1 through 4.

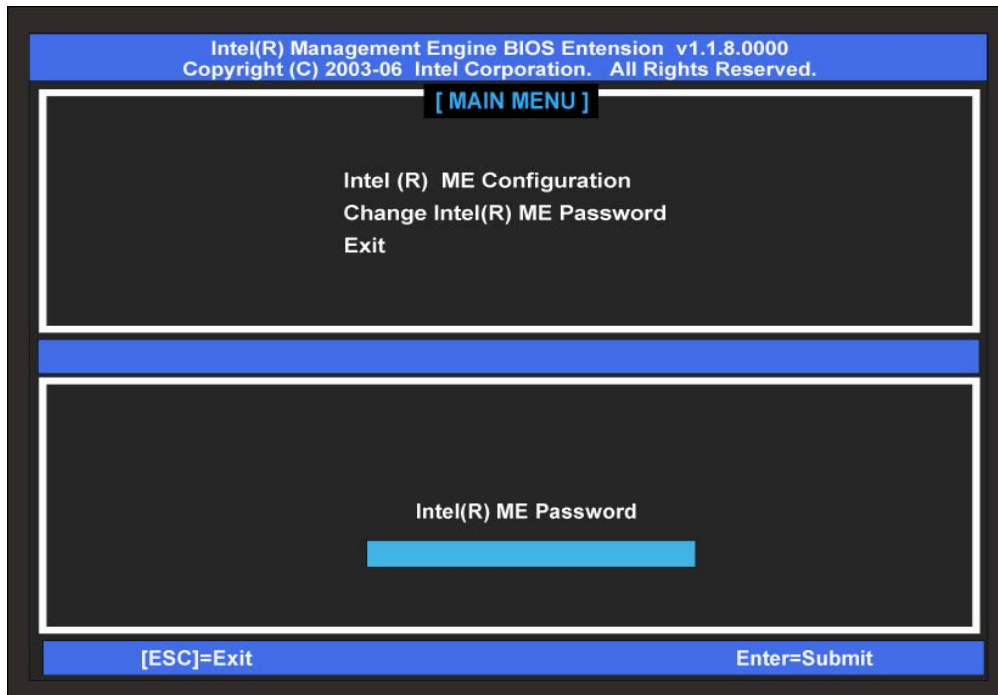
1. Press **<Ctrl - P>** as soon as the following message is displayed, as this message will be displayed for only a few seconds.



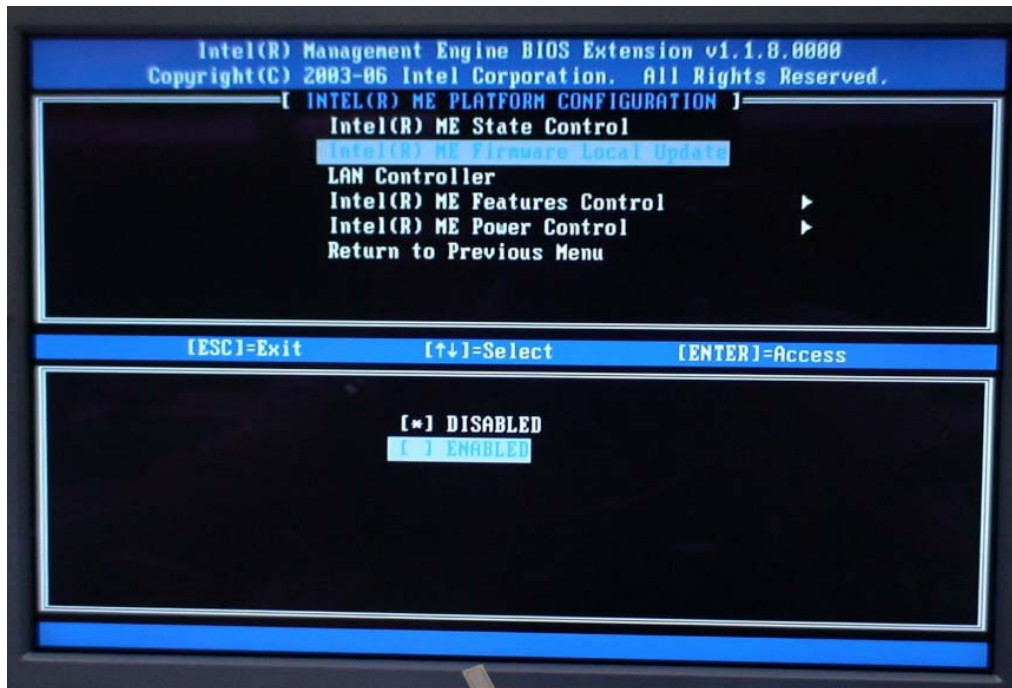
Intel (R) Management Engine BIOS Extension v1.1.8.0000
Copyright (C) 2003-06 Intel Corporation. All Rights Reserved.

Press **<CTRL-P>** to enter Intel (R) ME Setup

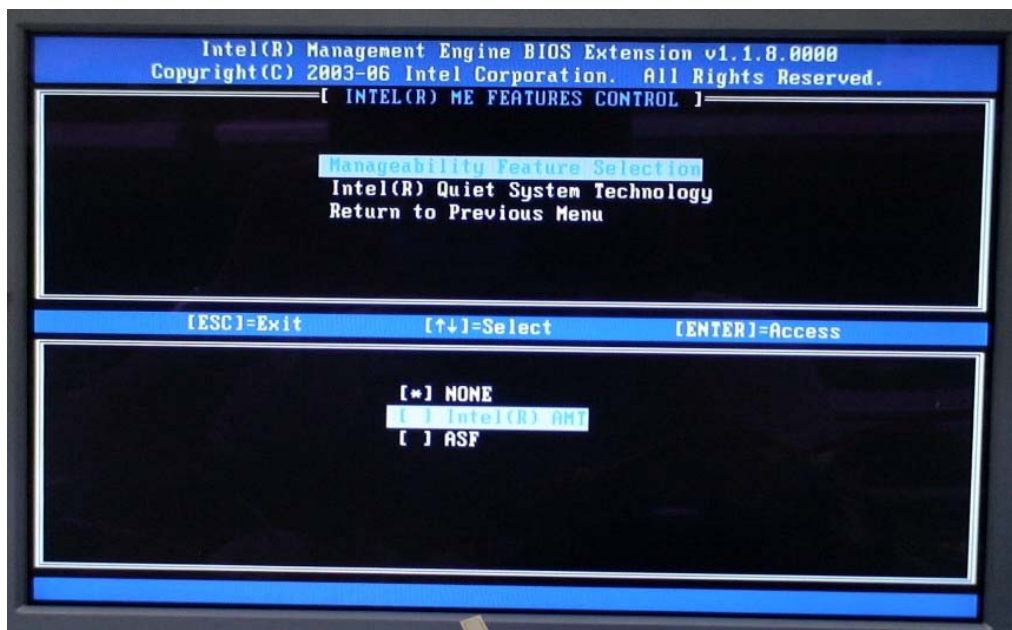
2. Enter '**admin**' under 'Intel ME Password'. Press Enter.
3. Select 'Chang Intel ME Password'. Press Enter
4. The new password must be strong, i.e., it must include at least:
 - a. 8 characters
 - b. One upper case letter
 - c. One lower case letter
 - d. A number
 - e. A special character/non-alpha-numeric character (Ex: !, @, #, \$, %, ^, &, *).
 - f. The password cannot contain blanks or the character '<' or '>'.



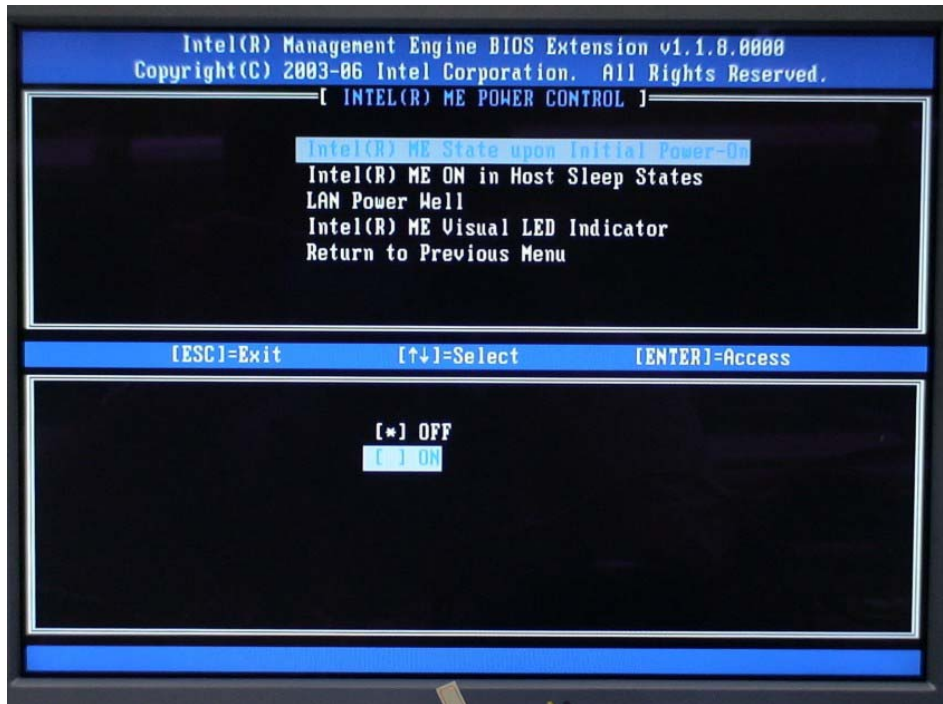
5. Select 'Intel ME Configuration'. Press Enter.
6. The following message will be displayed: 'System resets after configuration change. Continue (Y/N)'. Press 'Y'.
7. Select 'Intel ME State Control'. Press Enter. Then, select '**Enable**'. Press Enter.
8. Select 'Intel ME Firmware Local Update Qualifier'. Press Enter. Then, select '**Enable**'. Press Enter



9. Select 'Intel ME Features Control'. Press Enter.
10. Select 'Manageability Feature Selection'. Press Enter. Then, select '**Intel AMT**'. Press Enter.
11. Select 'Return to Previous Menu'. Press Enter.



12. Select 'Intel ME Power Control'. Pres Enter.
13. Select 'Intel ME State upon Initial Power-On'. Pres Enter. Then select 'ON'.



14. Select 'Intel ME ON in Host Sleep States'. Pres Enter. Then select 'ALWAYS'.
15. Select 'Intel ME Visual LED Indicator'. Pres Enter. Then select 'ON'.
16. Select 'Return to Previous Menu'. Press Enter.



17. Select 'Return to Previous Menu'. Press Enter.
18. **The system shuts down. Pull out the power cord and reconnect after 5 seconds.** Then, turn on the system.

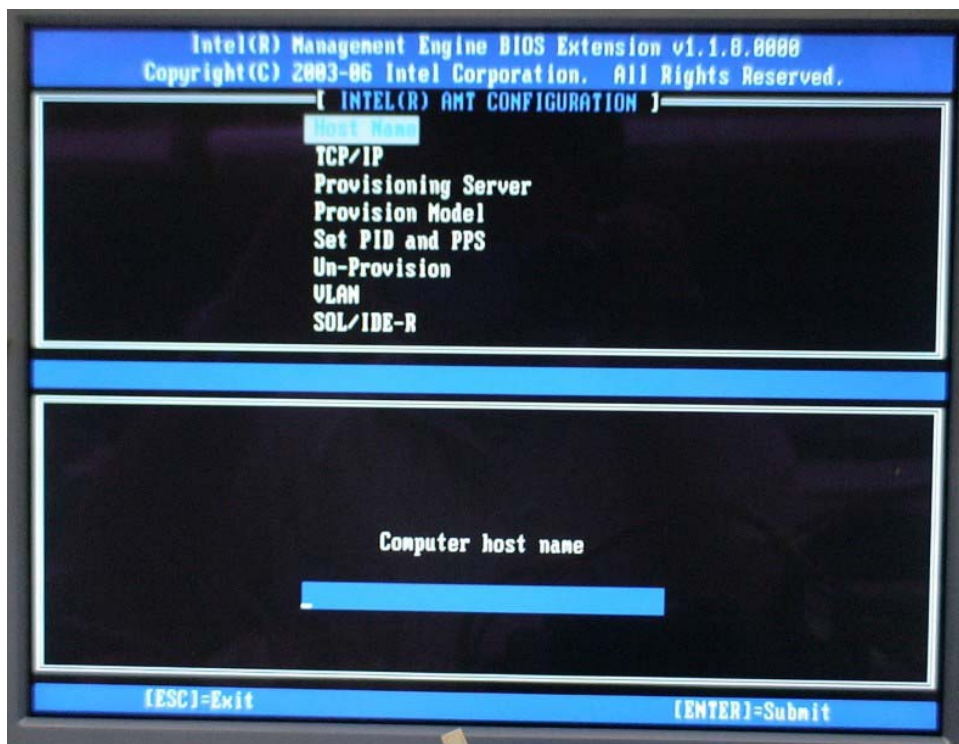


19. After the initial boot screen, the following message press '**Ctrl - P**'.
20. The user will be prompted for the password. Then, enter the new Intel ME password.

21. Select 'Intel AMT Configuration'. Press Enter.



22. Select 'Host Name'. Press Enter. Then, type in a unique name for this AMT machine. Press Enter.

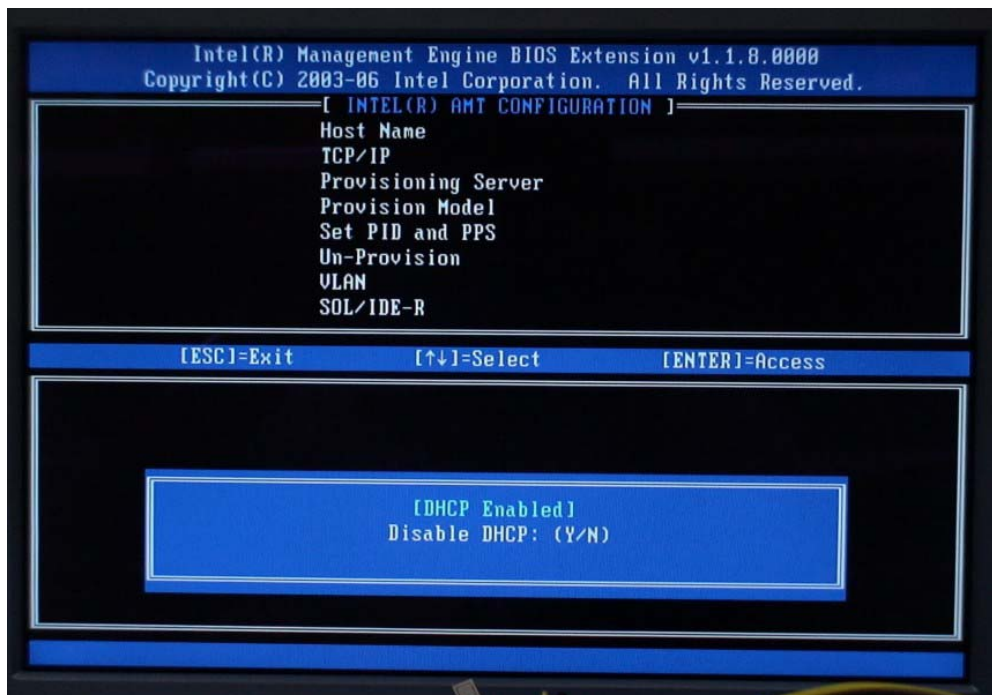


23. Select 'TCP/IP'. Press Enter. Then, the following message will be displayed:

a. 'Disable Network Interface: (Y/N)'. Then, press 'N'.



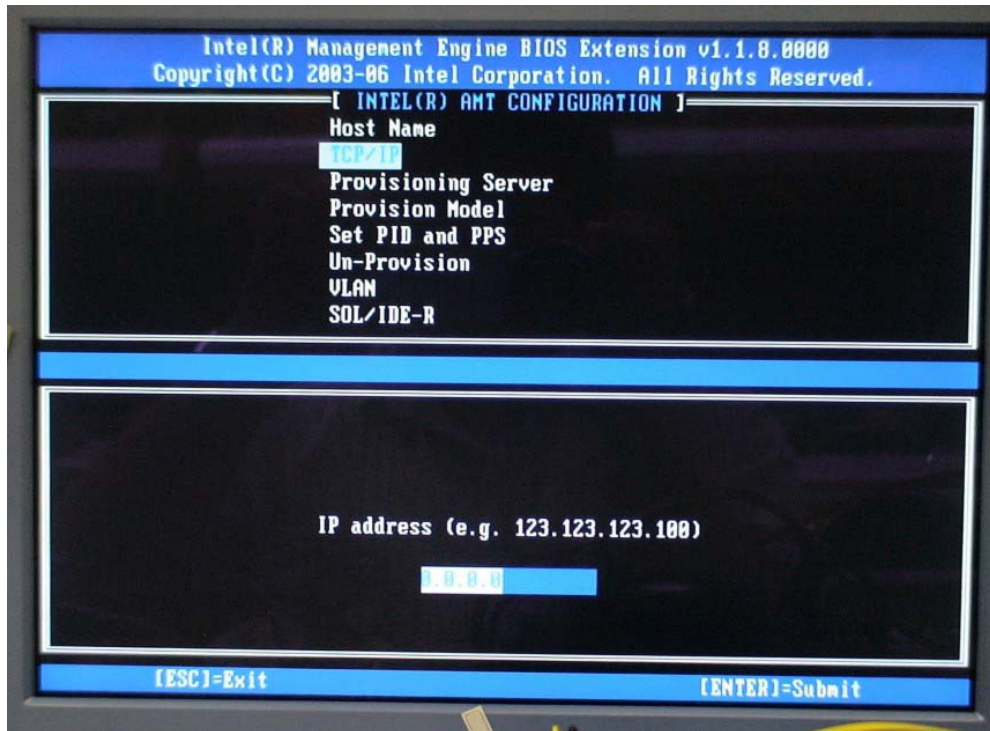
b. '[DHCP Enabled] Disable DHCP (Y/N)'. Then, press 'Y'.



24. The following is displayed: 'IP address:'

- a. Enter a static IP address.
- b. Enter the subnet mask.

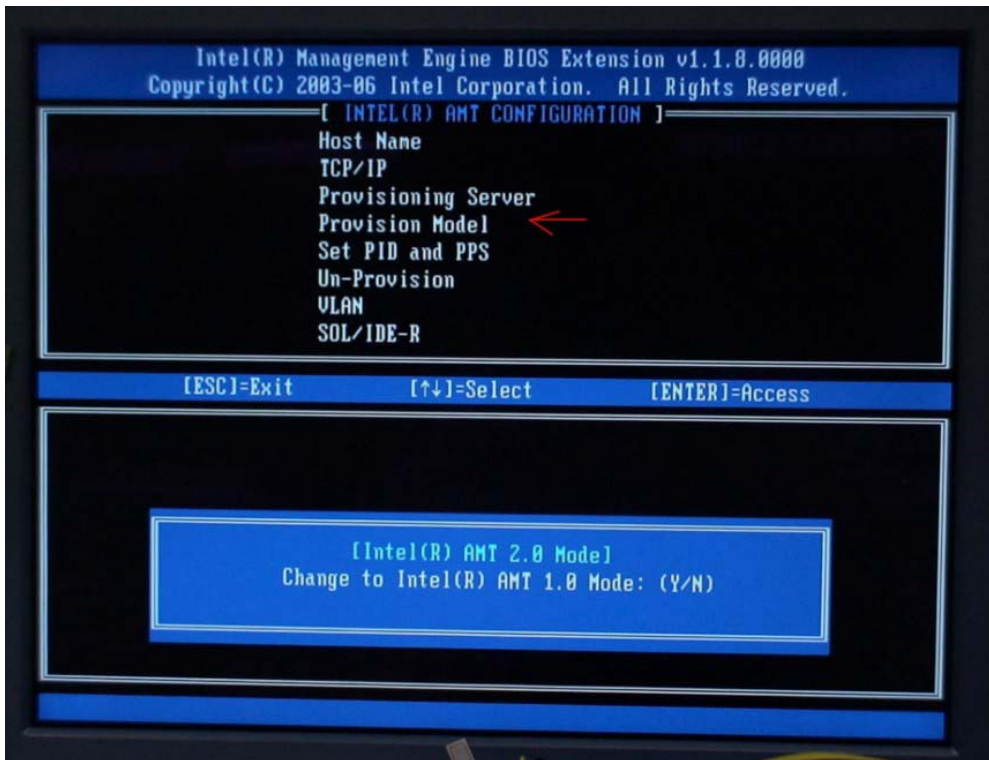
25. Other setting about TCP/IP. Press Enter(Leave as default value).



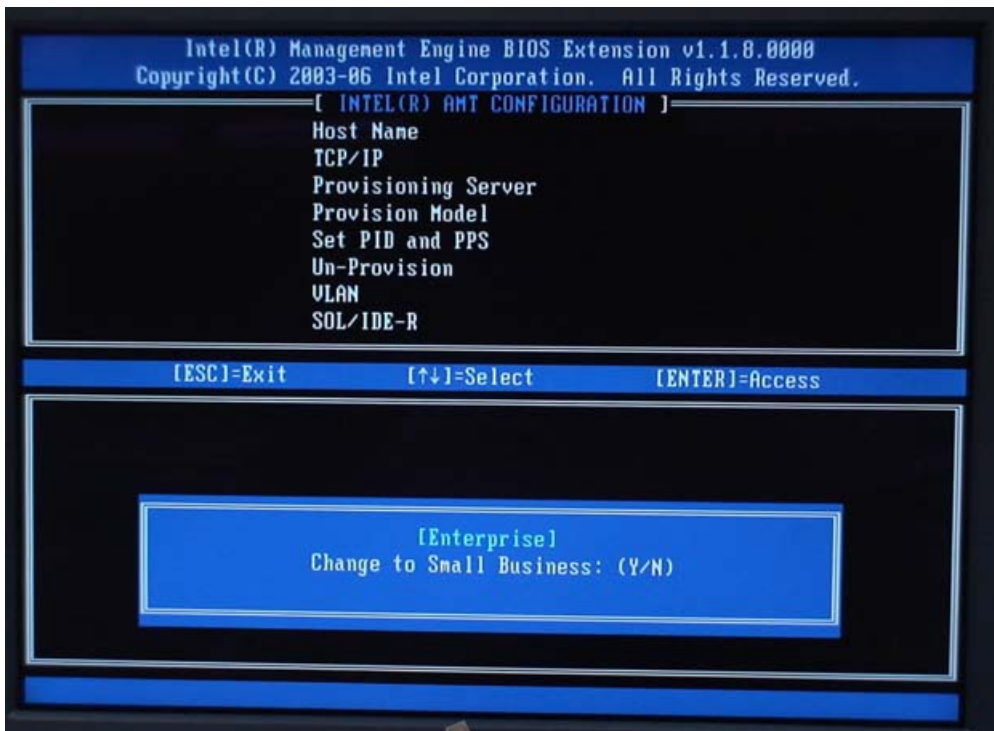
26. Select 'Provision Model' from the menu. Press Enter.

27. The following is displayed:

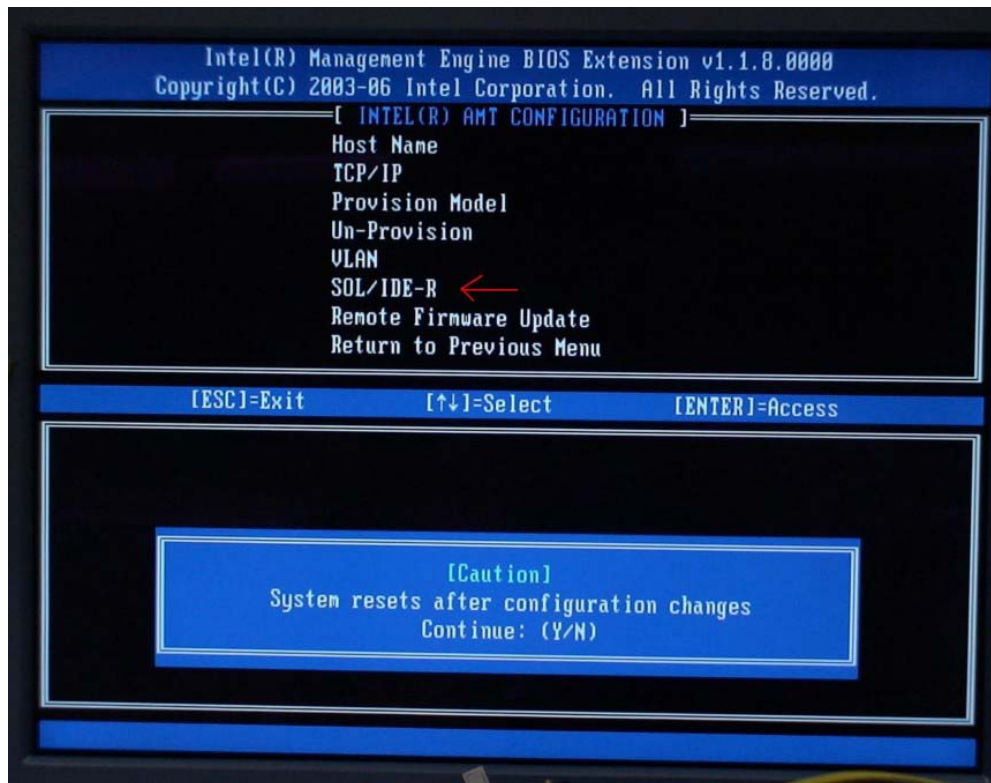
- a. '[Intel AMT 2.0 Mode] Change to Intel AMT 1.0 Mode: (Y/N)'. Press 'N'.



b. '[Enterprise] change to Small Business: (Y/N)'. Press 'Y'



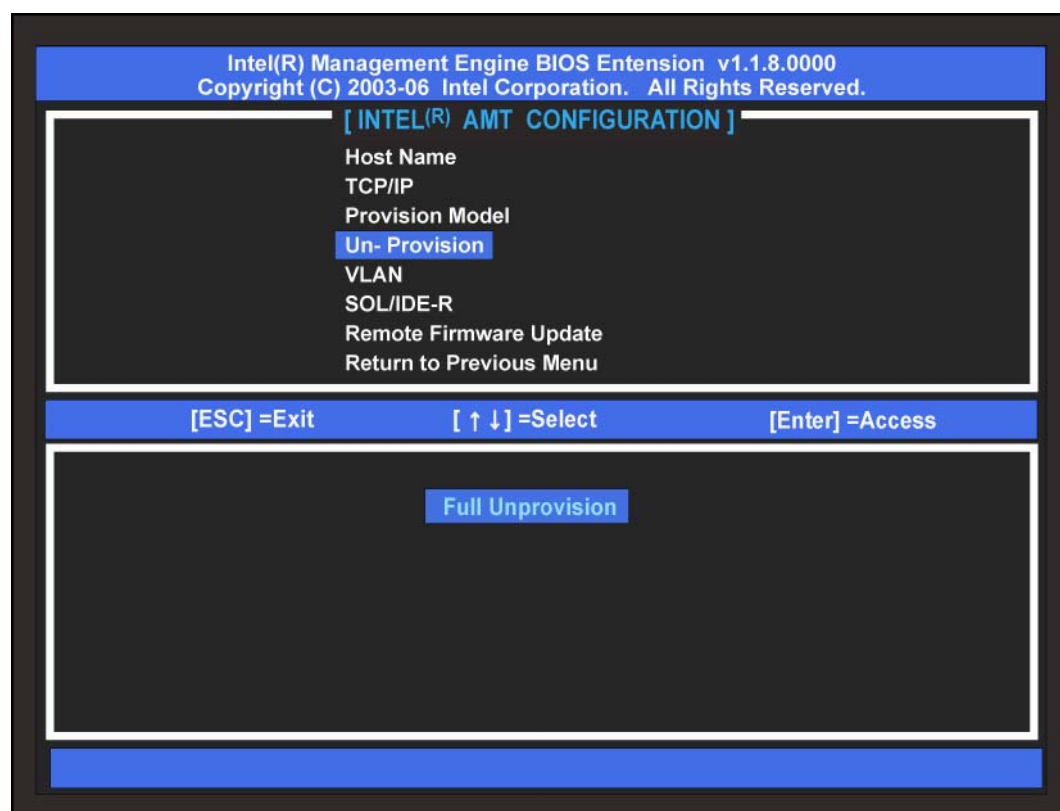
28. Select 'SOL/IDER'. Press Enter.
29. The following is displayed:
 - a. '[Caution] System resets after configuration changes. Continue (Y/N)'. Press 'Y'.
 - b. 'User name & Password' select '**Enabled**'. Press Enter.
 - c. 'Serial Over LAN' select '**Enabled**'. Press Enter.
 - d. 'IDE Redirection' select '**Enabled**'. Press Enter.
30. Selection 'Return to Previous Menu'. Press Enter.
31. Select 'Exit'. Press Enter.
32. The following is displayed: 'Are you sure you want to exit? (Y/N)'. Press 'Y'.
33. The system will boot to OS.



Trouble shooting

If you cannot use IDE-R & SOL. Please follow this step:

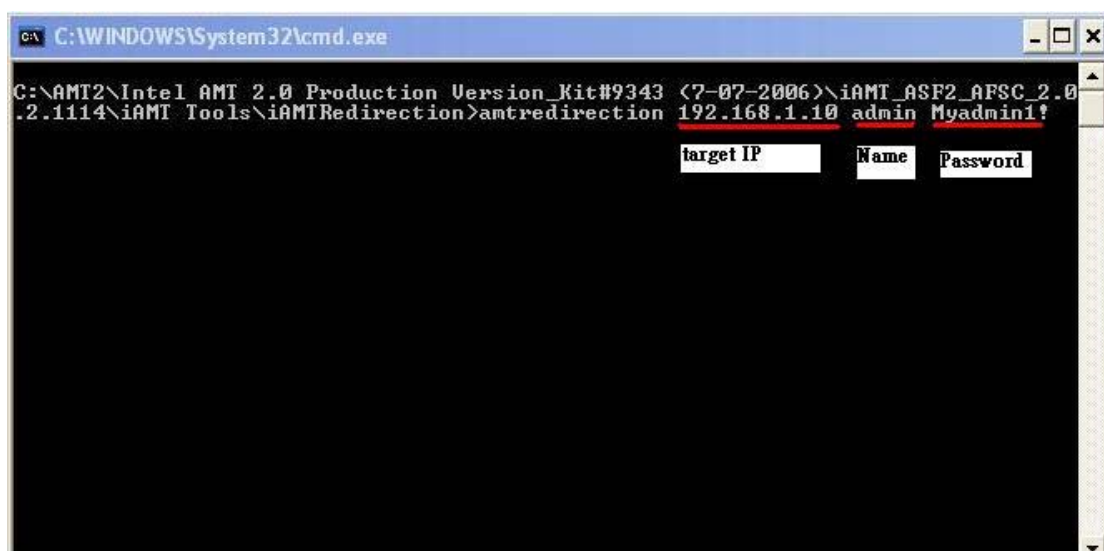
1. After the initial boot screen, the following message press 'Ctrl - P'
2. The user will be prompted for the password. Then, enter the new Intel ME Password.
3. Select 'Intel AMT Configuration'. Press Enter.
5. Select 'Un-Provision'. Press Enter.
6. Select 'Full Unprovision'. Press Enter.
7. Set items from Step 22 to 33 under above section.



Appendix: AMT Redirection Screenshot from Server Computer

The following section shows you how to use Intel utility to set up redirection in Server computer. And, the screenshots are captured from server computer.

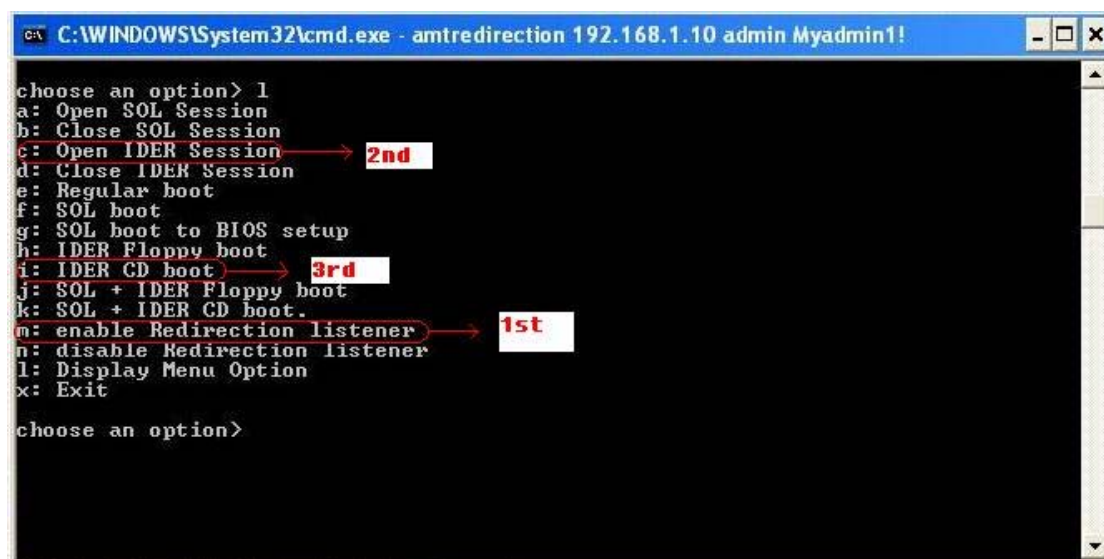
1. Use iAMTRedirection.exe in iAMT tools.
2. The following command is executed on the Windows command line prompt:
AMTRedirection.exe <IP address> [<username> <password>]



```
C:\WINDOWS\System32\cmd.exe
C:\AMT2\Intel AMT 2.0 Production Version_Kit#9343 <7-07-2006>\iAMT_ASF2_AFSC_2.0.2.1114\iAMI Tools\iAMTRedirection 192.168.1.10 admin Myadmin!?
```

target IP	Name	Password
-----------	------	----------

3. Press 'M' to enable Redirection listener
4. Press 'C' to open IDER Session
5. Press 'I' to IDER CD boot.



```
C:\WINDOWS\System32\cmd.exe - amtredirection 192.168.1.10 admin Myadmin!
choose an option> 1
a: Open SOL Session
b: Close SOL Session
c: Open IDER Session → 2nd
d: Close IDER Session
e: Regular boot
f: SOL boot
g: SOL boot to BIOS setup
h: IDER Floppy boot
i: IDER CD boot → 3rd
j: SOL + IDER Floppy boot
k: SOL + IDER CD boot.
l: enable Redirection listener → 1st
m: disable Redirection listener
n: Display Menu Option
x: Exit
choose an option>
```

Note:

1. AMT device must have AMT MAC address in BIOS.
2. Remote Control PC must install '.net framework 1.1' or later version. Before use iAMT tools.
3. Remote Control PC must contain one *.ISO format file for Windows installation kit

** All contents in the document are subjected to change without notice.

About FIC:

Founded in 1980, First International Computer, Inc (FIC) is a world leader in the design and production of computer motherboards, graphics cards, PC systems, notebooks, mobile solutions, and other electronic devices.

As an OEM/ODM supplier to many of the leading brands in North American, Asia and Europe, FIC has established itself as a pioneer of innovative products, supplying engineering expertise, advanced R&D and logistical services throughout the world.

To find the latest information about FIC products and services visit

www.fic.com.tw.