
Experience sharing for installing IBM Tivoli Monitoring

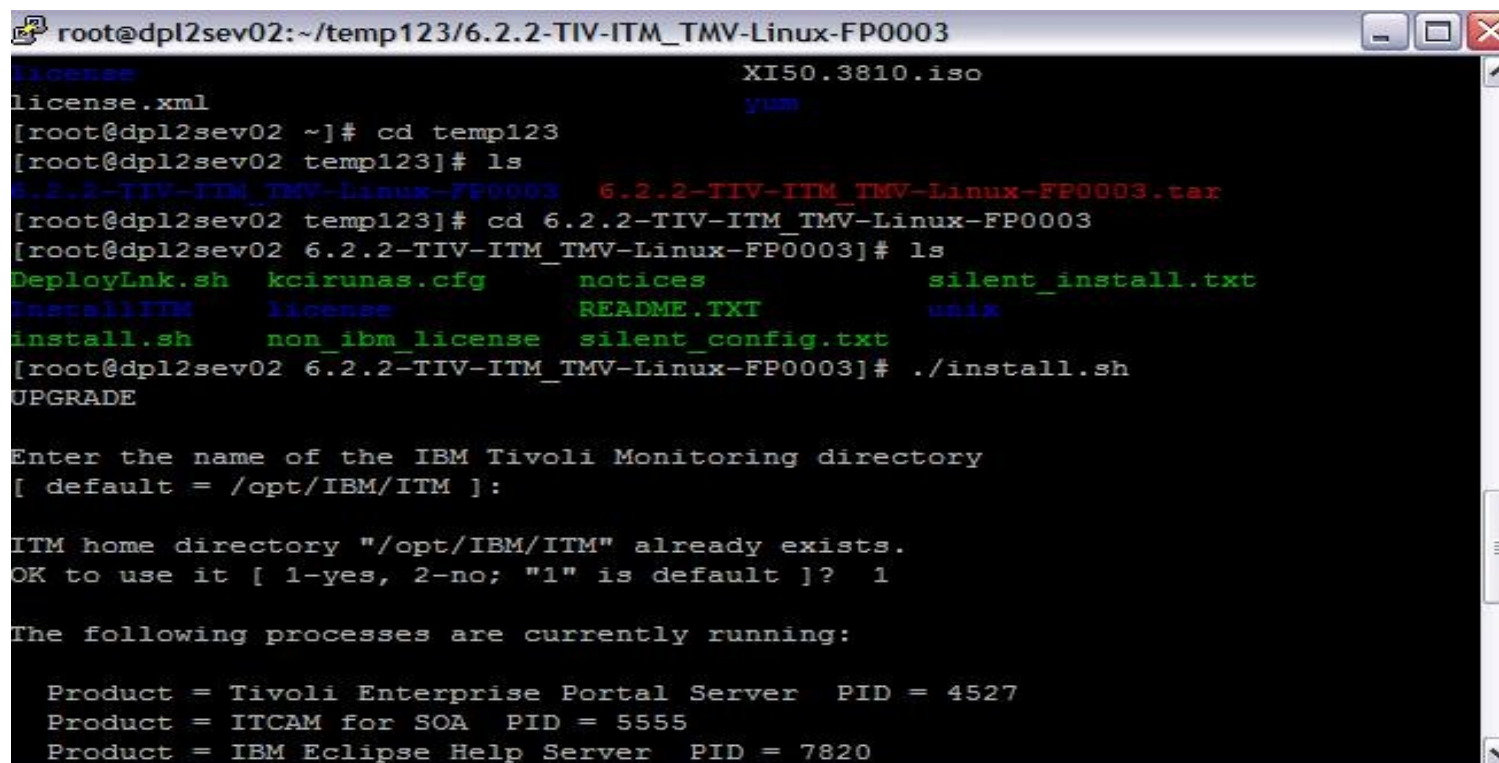
Slides Agenda

- Linux or UNIX: Installing the hub monitoring server
- Configuring the hub monitoring server
- Adding application support to the hub monitoring server - GUI procedure

Linux or UNIX: Installing the hub monitoring server

- In the directory where you extracted the installation files, run the following command:

./install.sh



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
license                               XI50.3810.iso
license.xml                            yes
[root@dpl2sev02 ~]# cd temp123
[root@dpl2sev02 temp123]# ls
6.2.2-TIV-ITM_TMV-Linux-FP0003  6.2.2-TIV-ITM_TMV-Linux-FP0003.tar
[root@dpl2sev02 temp123]# cd 6.2.2-TIV-ITM_TMV-Linux-FP0003
[root@dpl2sev02 6.2.2-TIV-ITM_TMV-Linux-FP0003]# ls
DeployLnk.sh  kcirunas.cfg      notices          silent_install.txt
InstallITM    license           README.TXT      unix
install.sh    non_ibm_license  silent_config.txt
[root@dpl2sev02 6.2.2-TIV-ITM_TMV-Linux-FP0003]# ./install.sh
UPGRADE

Enter the name of the IBM Tivoli Monitoring directory
[ default = /opt/IBM/ITM ]:

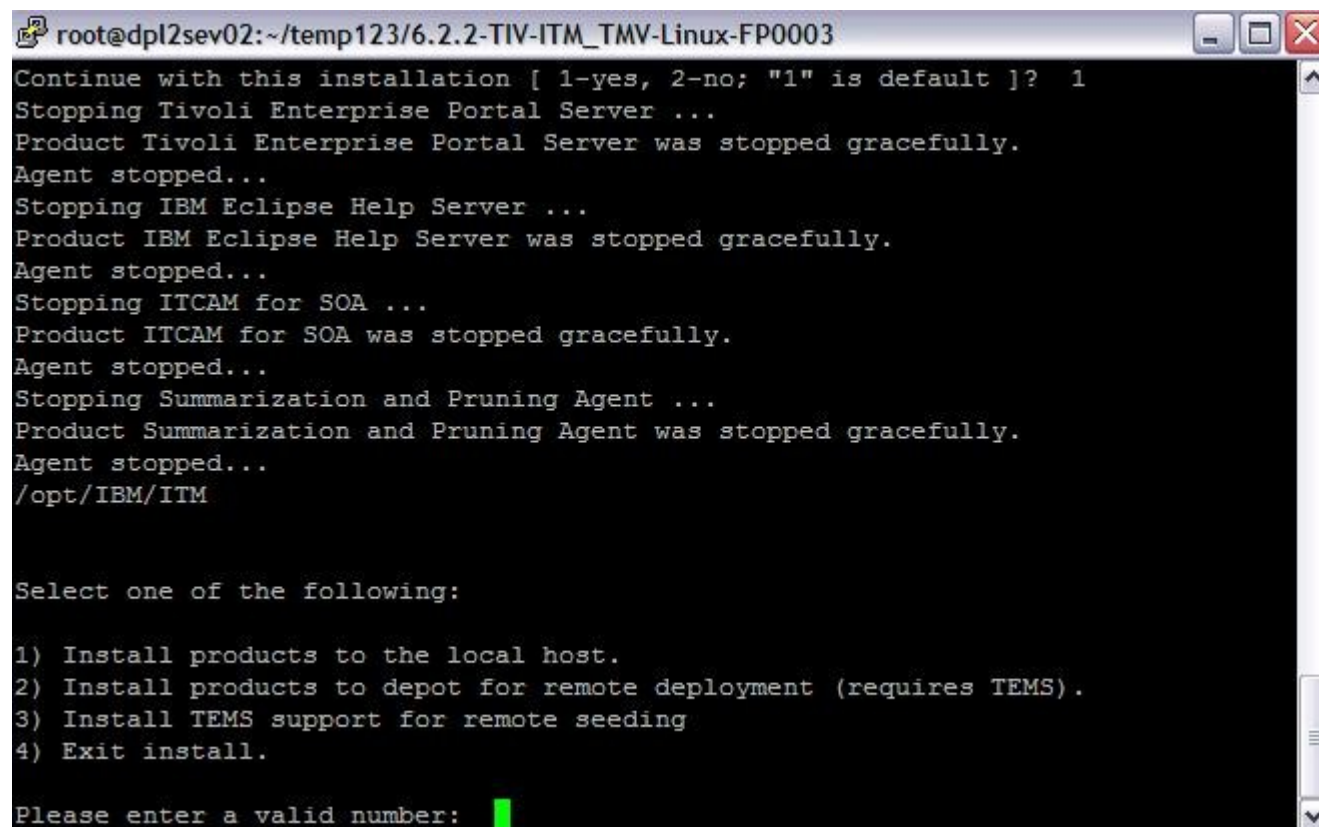
ITM home directory "/opt/IBM/ITM" already exists.
OK to use it [ 1=yes, 2=no; "1" is default ]? 1

The following processes are currently running:

Product = Tivoli Enterprise Portal Server  PID = 4527
Product = ITCAM for SOA  PID = 5555
Product = IBM Eclipse Help Server  PID = 7820
```

Linux or UNIX: Installing the hub monitoring server

- When prompted for the IBM Tivoli Monitoring home directory, press Enter to accept the default (/opt/IBM/ITM).
- Type 1 "Install products to the local host." to start the installation and press Enter.



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Continue with this installation [ 1=yes, 2=no; "1" is default ]? 1
Stopping Tivoli Enterprise Portal Server ...
Product Tivoli Enterprise Portal Server was stopped gracefully.
Agent stopped...
Stopping IBM Eclipse Help Server ...
Product IBM Eclipse Help Server was stopped gracefully.
Agent stopped...
Stopping ITCAM for SOA ...
Product ITCAM for SOA was stopped gracefully.
Agent stopped...
Stopping Summarization and Pruning Agent ...
Product Summarization and Pruning Agent was stopped gracefully.
Agent stopped...
/opt/IBM/ITM

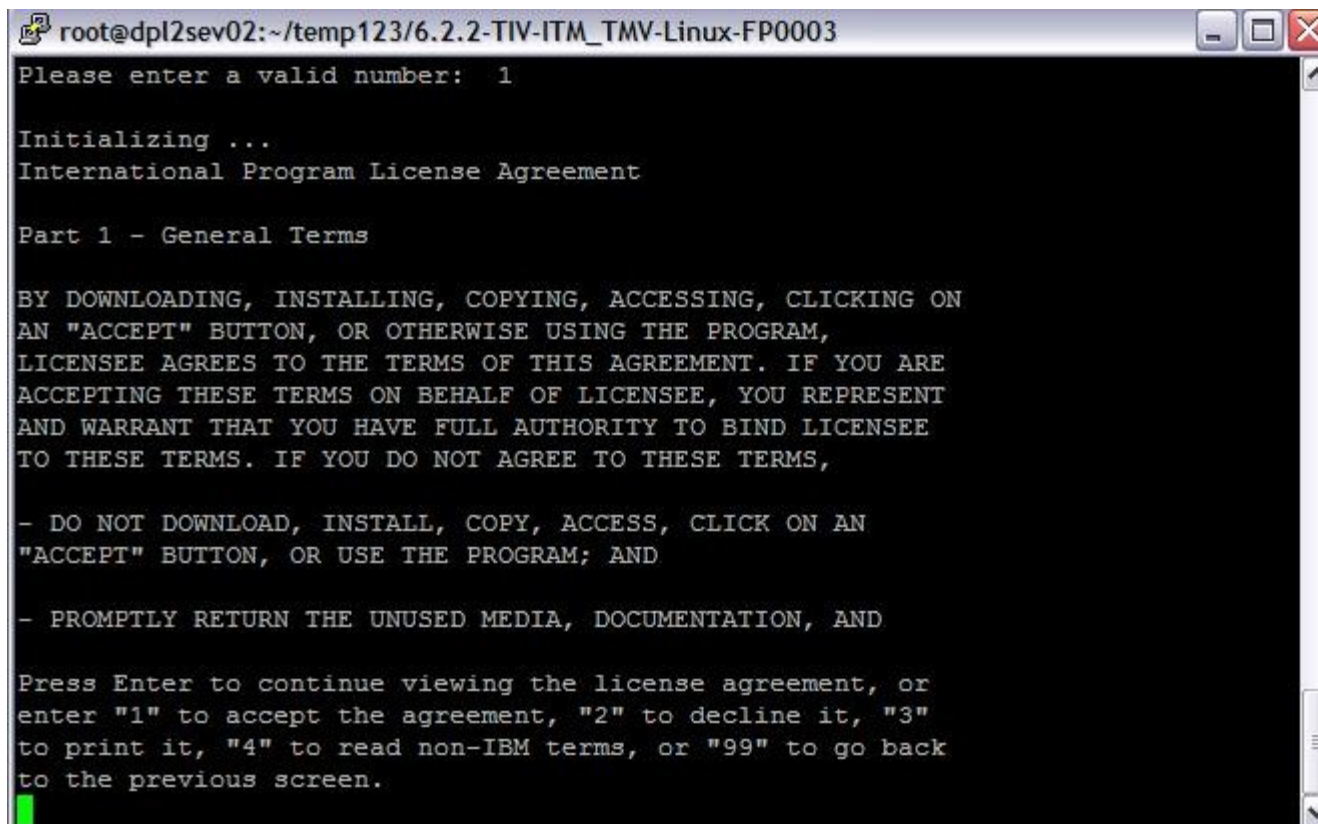
Select one of the following:

1) Install products to the local host.
2) Install products to depot for remote deployment (requires TEMS).
3) Install TEMS support for remote seeding
4) Exit install.

Please enter a valid number: █
```

Linux or UNIX: Installing the hub monitoring server

- The end user license agreement is displayed. Press Enter to read through the agreement.



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Please enter a valid number: 1

Initializing ...
International Program License Agreement

Part 1 - General Terms

BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON
AN "ACCEPT" BUTTON, OR OTHERWISE USING THE PROGRAM,
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ACCEPTING THESE TERMS ON BEHALF OF LICENSEE, YOU REPRESENT
AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND LICENSEE
TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,

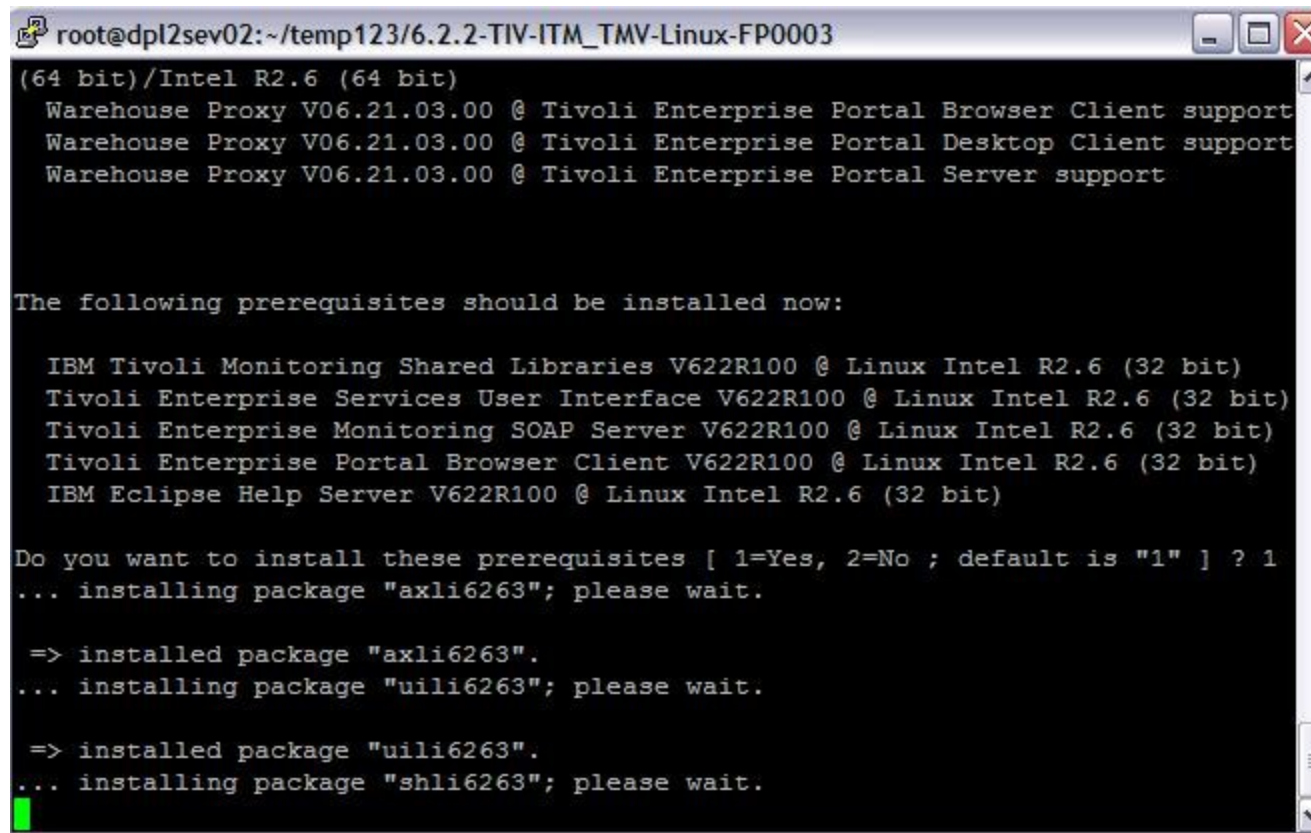
- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, CLICK ON AN
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Press Enter to continue viewing the license agreement, or
enter "1" to accept the agreement, "2" to decline it, "3"
to print it, "4" to read non-IBM terms, or "99" to go back
to the previous screen.
```

Linux or UNIX: Installing the hub monitoring server

- Press 1 for agreeing to install the prerequisites packages.



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
(64 bit)/Intel R2.6 (64 bit)
Warehouse Proxy V06.21.03.00 @ Tivoli Enterprise Portal Browser Client support
Warehouse Proxy V06.21.03.00 @ Tivoli Enterprise Portal Desktop Client support
Warehouse Proxy V06.21.03.00 @ Tivoli Enterprise Portal Server support

The following prerequisites should be installed now:

IBM Tivoli Monitoring Shared Libraries V622R100 @ Linux Intel R2.6 (32 bit)
Tivoli Enterprise Services User Interface V622R100 @ Linux Intel R2.6 (32 bit)
Tivoli Enterprise Monitoring SOAP Server V622R100 @ Linux Intel R2.6 (32 bit)
Tivoli Enterprise Portal Browser Client V622R100 @ Linux Intel R2.6 (32 bit)
IBM Eclipse Help Server V622R100 @ Linux Intel R2.6 (32 bit)

Do you want to install these prerequisites [ 1=Yes, 2=No ; default is "1" ] ? 1
... installing package "axli6263"; please wait.

=> installed package "axli6263".
... installing package "uili6263"; please wait.

=> installed package "uili6263".
... installing package "shli6263"; please wait.
```


Linux or UNIX: Installing the hub monitoring server

- The product packages available for this operating system and component support categories are listed. For a new installation, type 1.

```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003

=> installed package "cwli6263".
... installing package "kfli6263"; please wait.

=> installed package "kfli6263".
All agents require that application support files that contain agent-specific information be installed on the Tivoli Enterprise Monitoring Server that the agents will connect to, Tivoli Enterprise Portal Server and Tivoli Enterprise Portal desktop and browser client. Install application support before starting to install any Tivoli Enterprise Monitoring Agents.

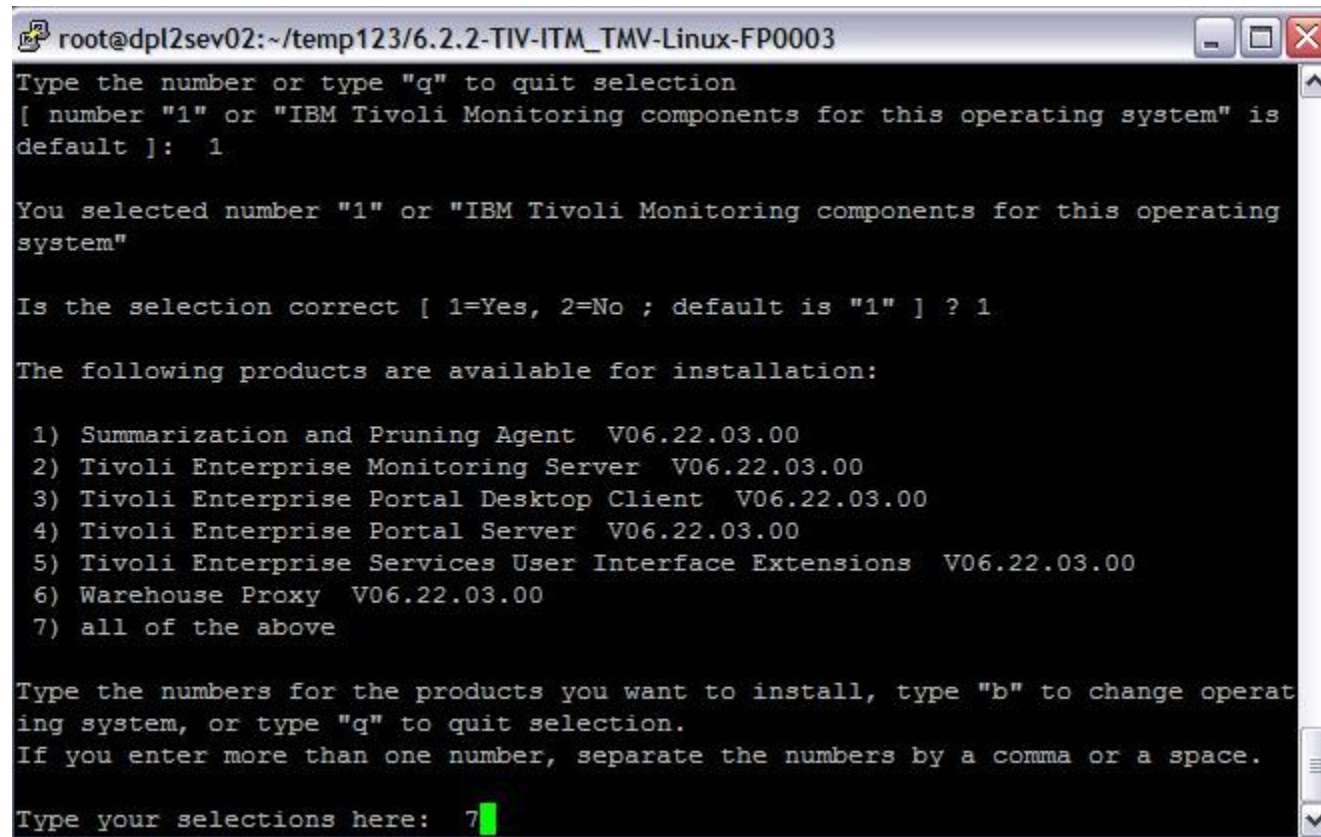
Product packages are available for this operating system and component support categories:

1) IBM Tivoli Monitoring components for this operating system
2) Tivoli Enterprise Portal Browser Client support
3) Tivoli Enterprise Portal Desktop Client support
4) Tivoli Enterprise Portal Server support
5) Tivoli Enterprise Monitoring Server support
6) Other operating systems

Type the number or type "q" to quit selection
[ number "1" or "IBM Tivoli Monitoring components for this operating system" is default ]: █
```

Linux or UNIX: Installing the hub monitoring server

- Type 7 for including all the products under ITM



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Type the number or type "q" to quit selection
[ number "1" or "IBM Tivoli Monitoring components for this operating system" is
default ]: 1

You selected number "1" or "IBM Tivoli Monitoring components for this operating
system"

Is the selection correct [ 1=Yes, 2=No ; default is "1" ] ? 1

The following products are available for installation:

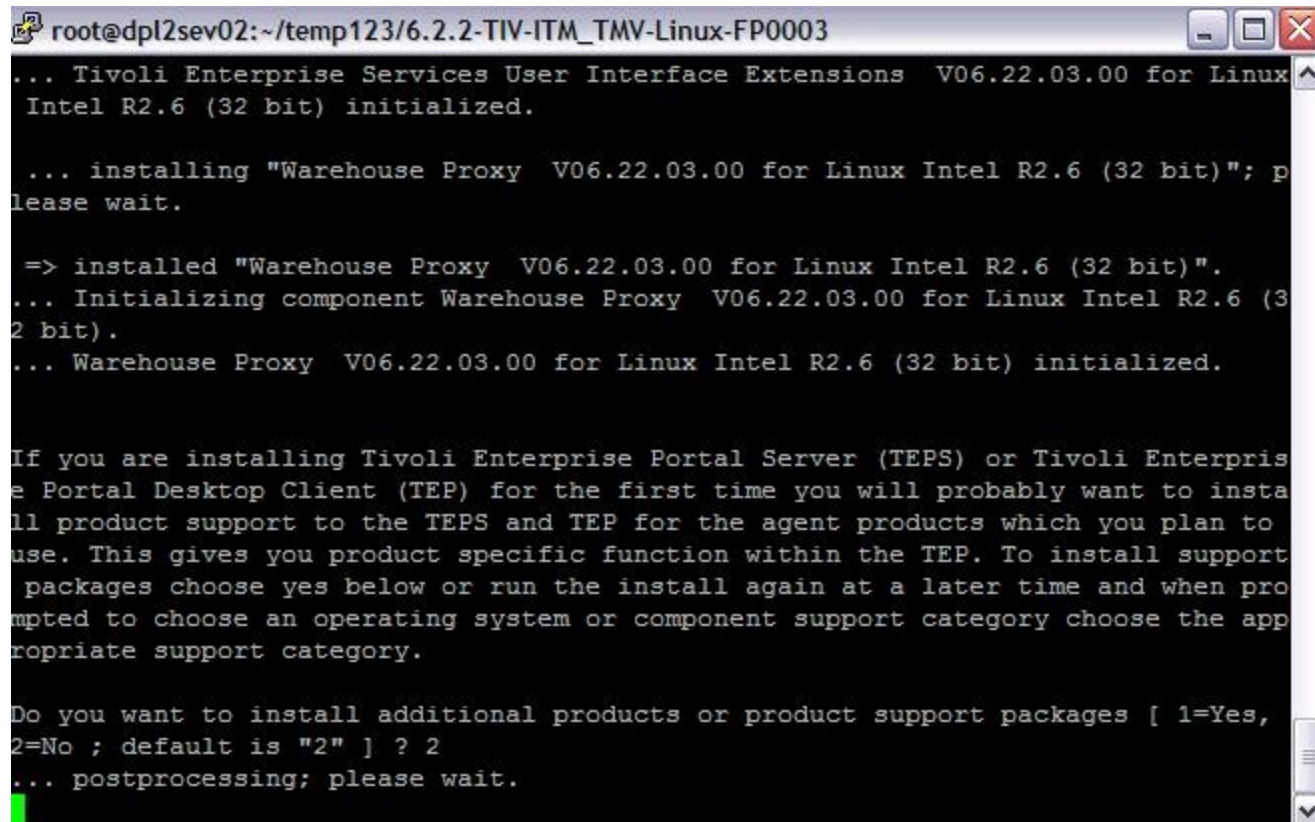
1) Summarization and Pruning Agent V06.22.03.00
2) Tivoli Enterprise Monitoring Server V06.22.03.00
3) Tivoli Enterprise Portal Desktop Client V06.22.03.00
4) Tivoli Enterprise Portal Server V06.22.03.00
5) Tivoli Enterprise Services User Interface Extensions V06.22.03.00
6) Warehouse Proxy V06.22.03.00
7) all of the above

Type the numbers for the products you want to install, type "b" to change operat
ing system, or type "q" to quit selection.
If you enter more than one number, separate the numbers by a comma or a space.

Type your selections here: 7
```


Linux or UNIX: Installing the hub monitoring server

- Type 2 for the default product support



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
... Tivoli Enterprise Services User Interface Extensions V06.22.03.00 for Linux
Intel R2.6 (32 bit) initialized.

... installing "Warehouse Proxy V06.22.03.00 for Linux Intel R2.6 (32 bit)"; p
lease wait.

=> installed "Warehouse Proxy V06.22.03.00 for Linux Intel R2.6 (32 bit)".
... Initializing component Warehouse Proxy V06.22.03.00 for Linux Intel R2.6 (3
2 bit).
... Warehouse Proxy V06.22.03.00 for Linux Intel R2.6 (32 bit) initialized.

If you are installing Tivoli Enterprise Portal Server (TEPS) or Tivoli Enterpris
e Portal Desktop Client (TEP) for the first time you will probably want to insta
ll product support to the TEPS and TEP for the agent products which you plan to
use. This gives you product specific function within the TEP. To install support
packages choose yes below or run the install again at a later time and when pro
mpted to choose an operating system or component support category choose the app
ropriate support category.

Do you want to install additional products or product support packages [ 1=Yes,
2=No ; default is "2" ] ? 2
... postprocessing; please wait.
```

Linux or UNIX: Installing the hub monitoring server

- Type 1 for confirming product support of TEMS

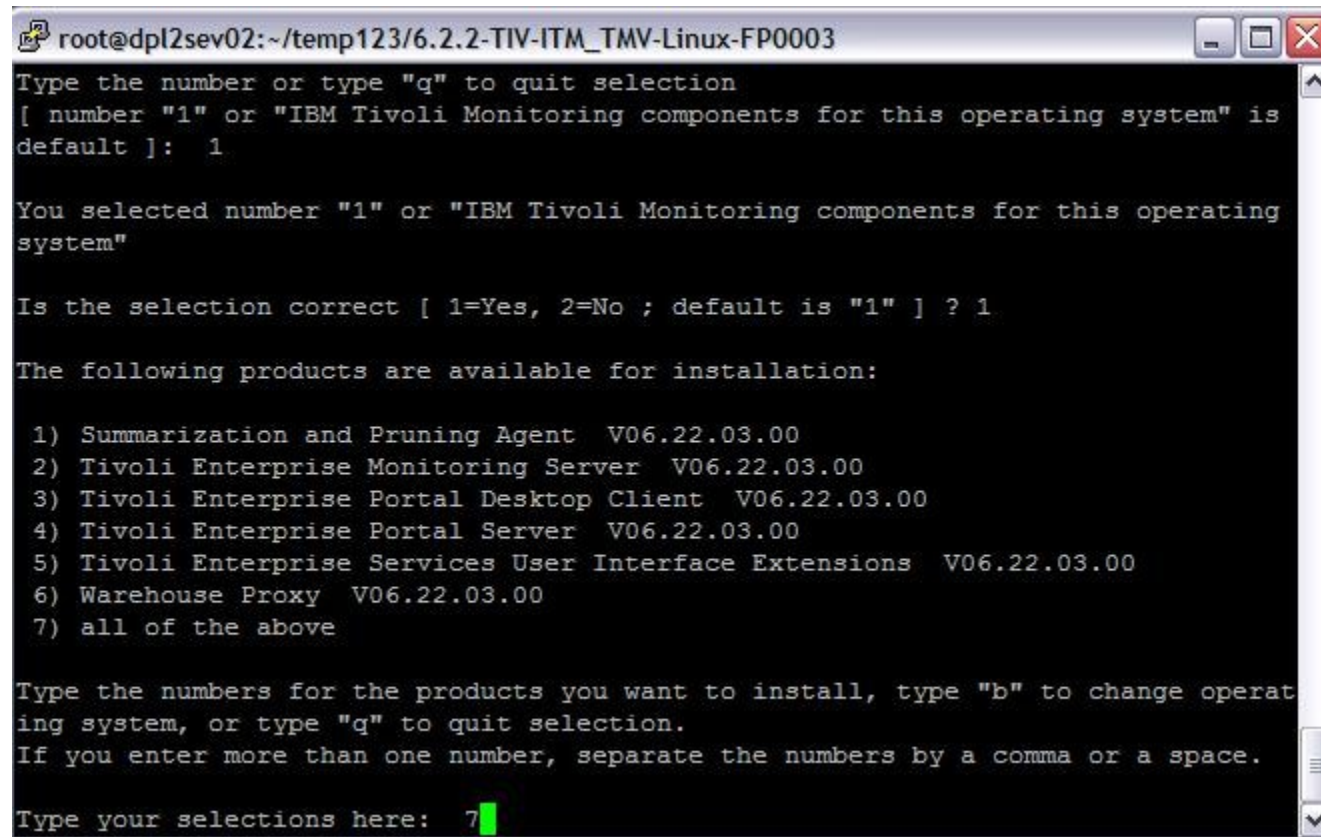
```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Installation step complete.

Following Tivoli Enterprise Monitoring Server product support were installed:
*) Monitoring Agent for IBM Tivoli Monitoring 5.x Endpoint
*) Warehouse Proxy
*) Monitoring Agent for i5/OS
*) Monitoring Agent for UNIX OS
*) Monitoring Agent for Windows OS
*) Tivoli Enterprise Monitoring Server
*) Summarization and Pruning Agent
*) Monitoring Agent for UNIX Logs
*) Universal Agent
*) Agentless Monitoring for Windows Operating Systems
*) Monitoring Agent for Linux OS
*) Agentless Monitoring for AIX Operating Systems
*) Agentless Monitoring for Linux Operating Systems
*) Agentless Monitoring for HP-UX Operating Systems
*) Agentless Monitoring for Solaris Operating Systems

Note: This operation causes the monitoring server to restart.
Do you want to seed product support on the Tivoli Enterprise Monitoring Server?
[ 1=Yes, 2=No ; default is "1" ] ? 1
Starting TEMS...
```

Linux or UNIX: Installing the hub monitoring server

- Type 2 for the default product support



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Type the number or type "q" to quit selection
[ number "1" or "IBM Tivoli Monitoring components for this operating system" is
default ]: 1

You selected number "1" or "IBM Tivoli Monitoring components for this operating
system"

Is the selection correct [ 1=Yes, 2=No ; default is "1" ] ? 1

The following products are available for installation:

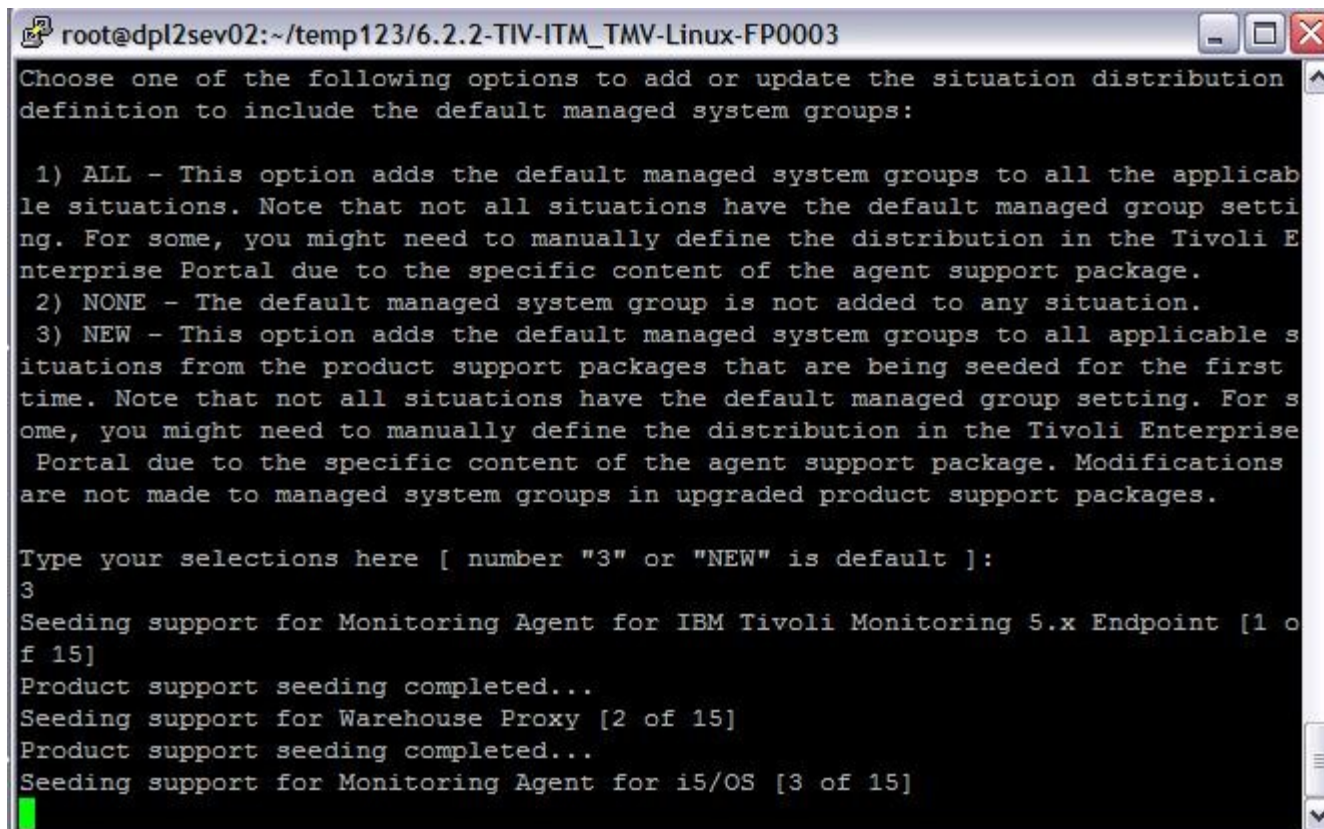
1) Summarization and Pruning Agent V06.22.03.00
2) Tivoli Enterprise Monitoring Server V06.22.03.00
3) Tivoli Enterprise Portal Desktop Client V06.22.03.00
4) Tivoli Enterprise Portal Server V06.22.03.00
5) Tivoli Enterprise Services User Interface Extensions V06.22.03.00
6) Warehouse Proxy V06.22.03.00
7) all of the above

Type the numbers for the products you want to install, type "b" to change operat
ing system, or type "q" to quit selection.
If you enter more than one number, separate the numbers by a comma or a space.

Type your selections here: 7
```

Linux or UNIX: Installing the hub monitoring server

- Type 3 for the default to add default managed systems groups (from product support packages that are being seeded in the first time).



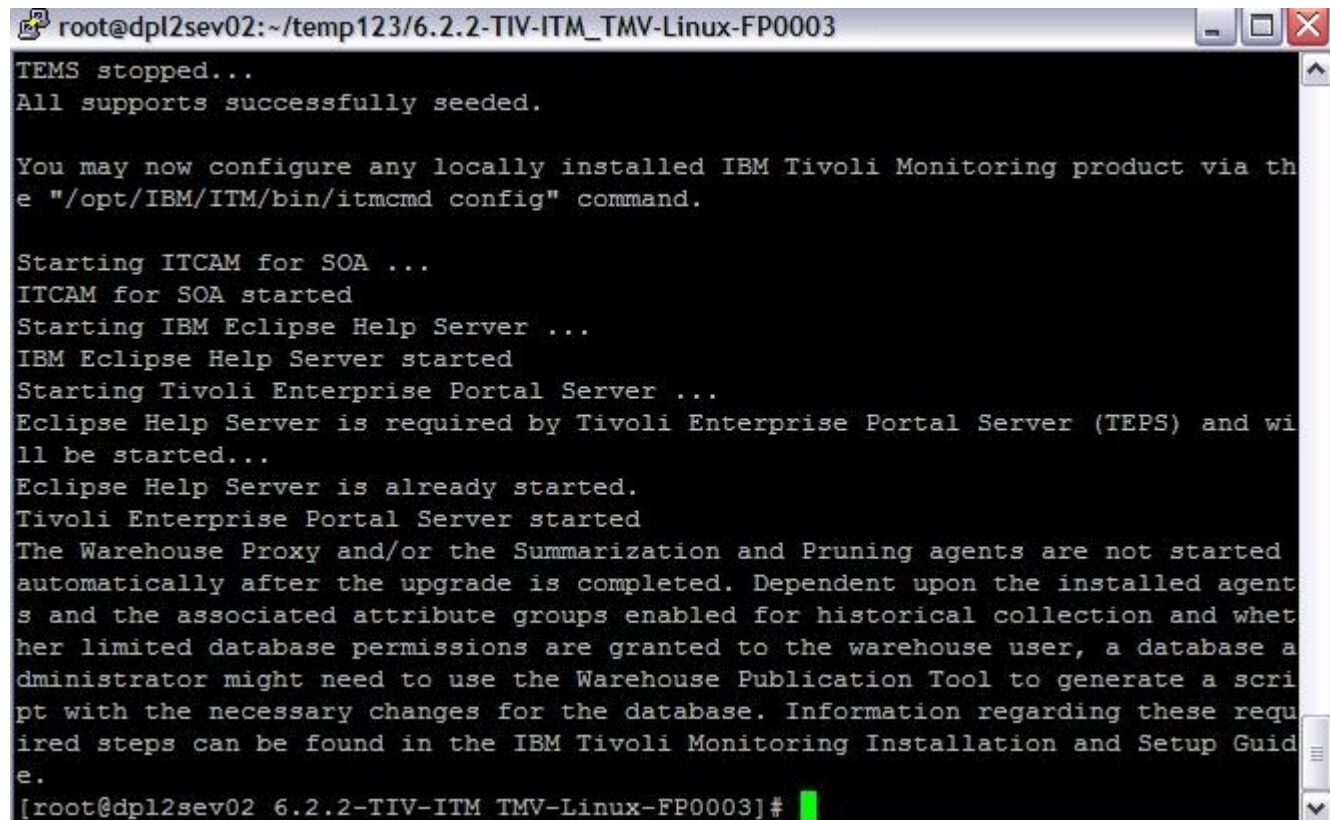
```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
Choose one of the following options to add or update the situation distribution
definition to include the default managed system groups:

 1) ALL - This option adds the default managed system groups to all the applicab
le situations. Note that not all situations have the default managed group setti
ng. For some, you might need to manually define the distribution in the Tivoli E
nterprise Portal due to the specific content of the agent support package.
 2) NONE - The default managed system group is not added to any situation.
 3) NEW - This option adds the default managed system groups to all applicab
le situations from the product support packages that are being seeded for the first
time. Note that not all situations have the default managed group setting. For s
ome, you might need to manually define the distribution in the Tivoli Enterprise
Portal due to the specific content of the agent support package. Modifications
are not made to managed system groups in upgraded product support packages.

Type your selections here [ number "3" or "NEW" is default ]:
3
Seeding support for Monitoring Agent for IBM Tivoli Monitoring 5.x Endpoint [1 o
f 15]
Product support seeding completed...
Seeding support for Warehouse Proxy [2 of 15]
Product support seeding completed...
Seeding support for Monitoring Agent for i5/OS [3 of 15]
```


Linux or UNIX: Installing the hub monitoring server

- Installation Finished.



```
root@dpl2sev02:~/temp123/6.2.2-TIV-ITM_TMV-Linux-FP0003
TEMS stopped...
All supports successfully seeded.

You may now configure any locally installed IBM Tivoli Monitoring product via the
"/opt/IBM/ITM/bin/itmcmd config" command.

Starting ITCAM for SOA ...
ITCAM for SOA started
Starting IBM Eclipse Help Server ...
IBM Eclipse Help Server started
Starting Tivoli Enterprise Portal Server ...
Eclipse Help Server is required by Tivoli Enterprise Portal Server (TEPS) and will
be started...
Eclipse Help Server is already started.
Tivoli Enterprise Portal Server started
The Warehouse Proxy and/or the Summarization and Pruning agents are not started
automatically after the upgrade is completed. Dependent upon the installed agents
and the associated attribute groups enabled for historical collection and whether
limited database permissions are granted to the warehouse user, a database administrator
might need to use the Warehouse Publication Tool to generate a script with the necessary
changes for the database. Information regarding these required steps can be found in
the IBM Tivoli Monitoring Installation and Setup Guide.
[root@dpl2sev02 6.2.2-TIV-ITM_TMV-Linux-FP0003]#
```

Configuring the hub monitoring server

- Use root login ID to configure
- At the command line, change to the /opt/IBM/ITM/bin directory (or the directory where you installed IBM Tivoli Monitoring).
- Run the following command:
`./itmcmd config -S -t tems_name`

where tems_name is the name of your monitoring

Configuring the hub monitoring server

UNIX monitoring server protocols and values

Protocol	Value	Definition
IP.UDP	IP Port Number	The port number for the monitoring server. The default is 1918.
SNA	Net Name	The SNA network identifier for your location.
	LU Name	The LU name for the monitoring server. This LU name corresponds to the Local LU Alias in your SNA communications software.
	Log Mode	The name of the LU6.2 LOGMODE. The default value is "CANCTDCS."
IP.PIPE	IP.PIPE Port Number	The port number for the monitoring server. The default is 1918.
IP.SPIPE	IP.SPIPE Port Number	The port number for the monitoring server. The default is 3660.

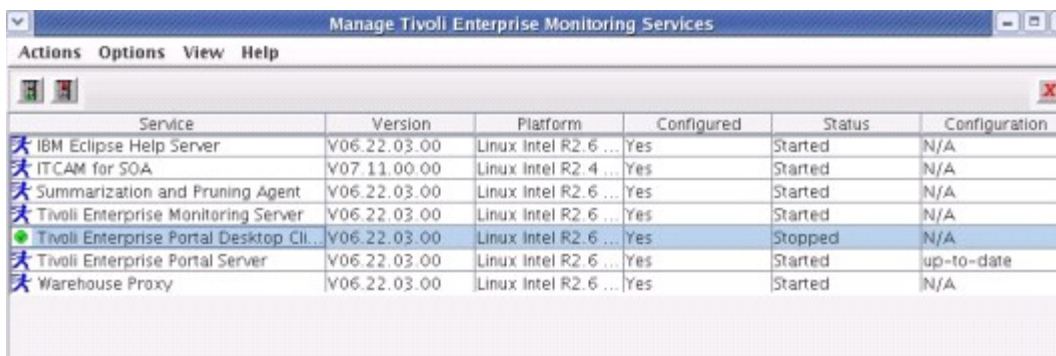
Adding application support to the hub monitoring server - GUI procedure

- Log on to the computer where the Tivoli Enterprise Portal Server is installed.
- Start the Manage Tivoli Enterprise Monitoring Services utility:
 - a. Change to the bin directory:


```
cd install_dir/bin
```
 - b. Run the following command:


```
./itmcmd manage [-h ITMinstall_dir]
```

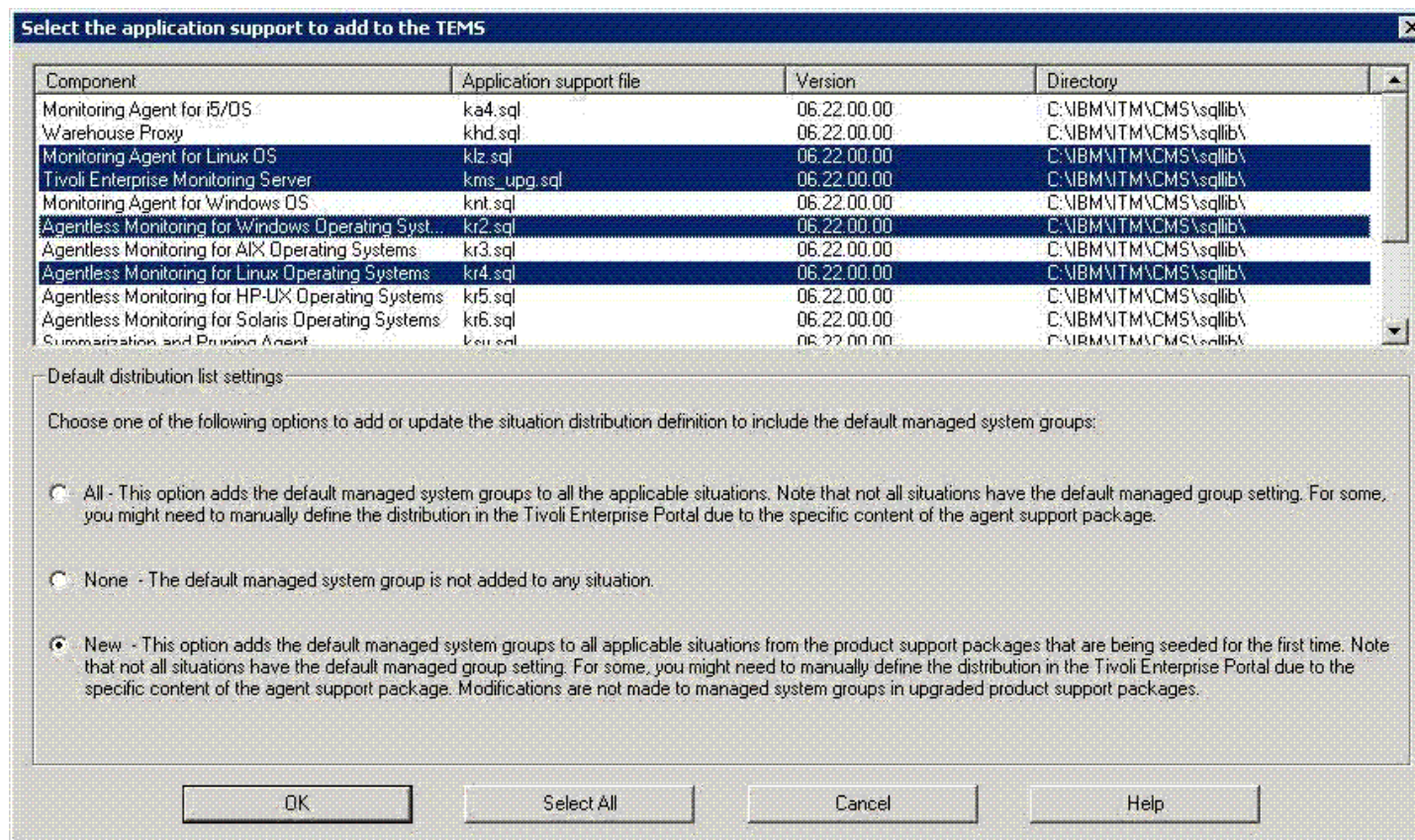
 - (i) h: An option used to specify the installation directory(optional) .
 - (ii) ITMinstall_dir: The directory where the monitoring server is installed. The default installation directory is /opt/IBM/ITM.
- Right-click Tivoli Enterprise Monitoring Server and click Start.



Service	Version	Platform	Configured	Status	Configuration
IBM Eclipse Help Server	V06.22.03.00	Linux Intel R2.6 ...	Yes	Started	N/A
ITCAM for SOA	V07.11.00.00	Linux Intel R2.4 ...	Yes	Started	N/A
Summarization and Pruning Agent	V06.22.03.00	Linux Intel R2.6 ...	Yes	Started	N/A
Tivoli Enterprise Monitoring Server	V06.22.03.00	Linux Intel R2.6 ...	Yes	Started	N/A
Tivoli Enterprise Portal Desktop Cli...	V06.22.03.00	Linux Intel R2.6 ...	Yes	Stopped	N/A
Tivoli Enterprise Portal Server	V06.22.03.00	Linux Intel R2.6 ...	Yes	Started	up-to-date
Warehouse Proxy	V06.22.03.00	Linux Intel R2.6 ...	Yes	Started	N/A

Adding application support to the hub monitoring server - GUI procedure

-Right-click Tivoli Enterprise Monitoring Server and click Advanced.



Reference

- **“Configuring application support for nonbase monitoring agents”**
http://pic.dhe.ibm.com/infocenter/tivihelp/v30r1/index.jsp?topic=%2Fcom.ibm.itm.doc_6.2.2fp2%2Fas_nonbase.htm
- **“Linux or UNIX: Installing the hub monitoring server”**
http://pic.dhe.ibm.com/infocenter/tivihelp/v15r1/index.jsp?topic=%2Fcom.ibm.itm.doc_6.2.2fp2%2Fhub_install.htm