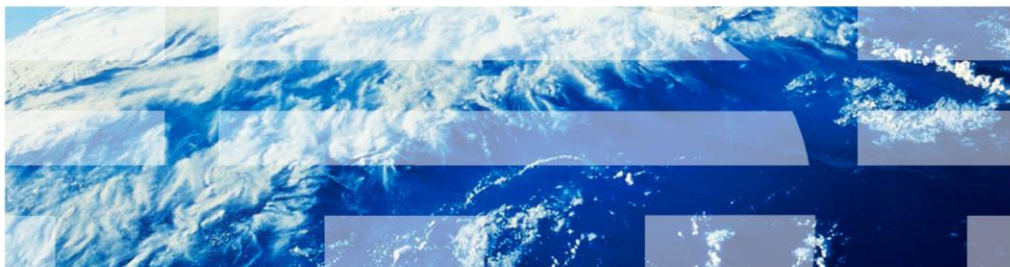# IBM Tivoli Monitoring V6.2.2

Configure the Tivoli Monitoring for Power Systems, HMC agent V6.2.2 Interim Feature 2

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IBM Tivoli® Monitoring V6.2.2, Configure the Tivoli Monitoring for Power Systems™, HMC agent V6.2.2 Interim Feature 2. This module shows the steps to configure an HMC agent.

Assumptions

Before you proceed, the module designer assumes that you have the following knowledge and environment:
- Basic HMC administration skills
- AIX® user skills
- The HMC agent is installed on an AIX system

The module developer assumes that you have basic HMC administration skills and AIX user skills.

The HMC agent must be installed on a supported AIX system that includes AIX 6™ and 7.

Objectives

When you complete this module, you can perform these tasks:

- View HMC data on the Tivoli Enterprise Portal
- Monitor the HMC with the HMC agent

When you complete this module, you can view HMC data on the Tivoli Enterprise Portal. In addition, you can monitor the HMC with the HMC agent.

(1 of 2) Configuring the HMC agent

- Log in to the system where the HMC agent is installed
- Go to **$CANDLEHOME/aix523/ph/bin**
- Run the `key.pl` script to configure the communication between the HMC and the agent system

```
# ./key.pl
Enter the name of the primary HMC server: tapshmc.rtp.raleigh.ibm.com
Enter the name of the HMC user[hscroot]:
Generating public/private rsa key pair.
Your identification has been saved in //.ssh/id_rsa.
Your public key has been saved in //.ssh/id_rsa.pub.
The key fingerprint is:
e7:a2:bf:93:36:9d:0b:c0:c6:0f:50:fe:e4:74:28:ad root@aixcnp
The key's randomart image is:
+--[ RSA 2048]----+
|        .         |
|      o . .       |
|     . o = .      |
|      + B .       |
|       E S .      |
|      . + o       |
|         +o..     |
|        .=oo      |
|        .oo+..    |
+------------------+
Setting up credential with tapshmc.rtp.raleigh.ibm.com.
Password:
Password:
Would you like to set a backup HMC server yes/[no]?no
Would you like to continue setting a default managed system [yes]/no? no
# []
```

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The first step in configuring the HMC agent is to set up an ssh communication between the agent system and the HMC. The **key.pl** script, that is provided with the product, sets up this communication. The script is located in the **$CANDLEHOME/aix523/ph/bin** directory. The **key.pl** script requests information on the host name of the HMC; the user account, which is used to log in to the HMC; and the password. The script requires that the **openssh.base.client** file set to be installed on the AIX system.

The HMC user account must have a minimum of HMC viewer privileges. After the **key.pl** script runs, you can log in to the HMC machine with the user account that you provided, without a password.

The managed system name need not be provided when the HMC agent is configured.

- Log in to the system where the HMC agent is installed
- Change the directory to **$CANDLEHOME/bin**
- Run the command `./itmcmd config -o <instance name> -A ph`
  This command configures the Tivoli Monitoring Enterprise Server and the communication protocols for the HMC agent

```
# /opt/IBM/ITM/bin/itmcmd config -o inst1 -A ph
Agent configuration started...
Edit "Monitoring Agent for HMC Base" settings? [ 1=Yes, 2=No ] (default is: 1):
Edit 'HMC Information' settings? [ 1=Yes, 2=No ] (default is: 1):
HMC Hostname (default is: tapshmc.tivlab.raleigh.ibm.com): tapshmc.rtp.raleigh.ibm.com
HMC Username (default is: hscroot):

Will this agent connect to a TEMS? [1=YES, 2=NO] (Default is: 1):
TEMS Host Name (Default is: nmp136.tivlab.raleigh.ibm.com):

Network Protocol [ip, sna, ip.pipe or ip.spipe] (Default is: ip.pipe):

    Now choose the next protocol number from one of these:
    - ip
    - sna
    - ip.spipe
    - 0 for none
Network Protocol 2 (Default is: 0):
IP.PIPE Port Number (Default is: 1918):
Enter name of KDC_PARTITION (Default is: null):

Configure connection for a secondary TEMS? [1=YES, 2=NO] (Default is: 2):
Enter Optional Primary Network Name or 0 for "none" (Default is: 0):
Agent configuration completed...
#
```

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The last step is to configure the Tivoli Enterprise Monitoring Sever (TEMS) for the HMC agent with the **itmcmd** command. The HMC agent is a multi-instance agent. Each instance can monitor a different HMC.

Run the command **./itmcmd config -o <*instance name*> -A ph**.

This command configures the Tivoli Monitoring Enterprise Server and the communication protocols for the HMC agent.

Starting the HMC agent

To start the agent, run the command
`$CANDLEHOME/bin/itmcmd agent -o <instance name> start ph`

```
# ./itmcmd agent -o inst1 start ph
Processing. Please wait...

Starting Base Monitoring Agent for HMC ...
Base Monitoring Agent for HMC started
#
```

To start the agent, run the command
$CANDLEHOME/bin/itmcmd agent -o *<instance name>* start ph.

Because the agent is a multi-instance agent, you must provide the instance name when starting the agent.

Now that you completed this module, you can perform these tasks:

- View HMC data on the Tivoli Enterprise Portal
- Monitor the HMC with the HMC agent

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