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# Installation of ITM 6.0.3.2 in Windows to monitor MQ queue managers

# IBM Techdoc: 7048598 http://www.ibm.com/support/docview.wss?uid=swg27048598

## Date last updated: 08-Sep-2016

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+++ Objective

The purpose of this document is to provide a tutorial for installation IBM Tivoli Monitoring 6.3.0.2 in a Windows 7 machine.

The overall objective is to have ITM and ITCAM services monitoring MQ queue managers in Windows and in Linux, and additional tutorials will provide steps for other components.

In order to keep the overall scenario as simple as possible, only the most essential components will be installed. Therefore, this tutorial does not show other ITM components; of course, if you need those ITM components, then you can go ahead and install/configure them.

These are the chapters:

Chapter 1 provides the details on how to download the software from IBM Passport Advantage.

Chapter 2 describes how to install these fundamental components:

TEMS - Tivoli Enterprise Monitoring Server

TEMA - Tivoli Enterprise Monitoring Agent

Chapter 3 describes how to install the GUI support:

- TEPS Tivoli Enterprise Portal Server
- TEPD Tivoli Enterprise Portal Desktop Client

Chapter 4 shows how to start the Tivoli Enterprise Portal GUI

Chapter 5 describes how to install the ITM monitoring agents (these are NOT the agents that will monitor the MQ configuration and the MQ queue managers)

### + Set of tutorials and webinar

http://www.ibm.com/support/docview.wss?uid=swg27048598 Installation of ITM 6.0.3.2 in Windows to monitor MQ queue managers IBM Techdoc: 7048598 First tutorial in the series.

#### http://www.ibm.com/support/docview.wss?uid=swg27048600

Installation of ITCAM Agents 7.3 in Windows to monitor MQ queue managers IBM Techdoc: 7048600 Second tutorial in the series.

http://www.ibm.com/support/docview.wss?uid=swg27048601

Installation of ITM Agents 6.0.3.2 and ITCAM MQ Agents 7.3 in Linux IBM Techdoc: 7048601 Third tutorial in the series.

#### http://www.ibm.com/support/docview.wss?uid=swg27048602

ITM and ITCAM - summary of commands for monitoring MQ queue managers IBM Techdoc: 7048602

Webinar:

http://www.ibm.com/support/docview.wss?uid=swg27048572

Using ITCAM to monitor MQ queue managers in Linux and Windows Abstract

This WebSphere Support Technical Exchange is designed to present an introduction on basic installation of IBM Tivoli Monitoring (ITM) and IBM Tivoli Composite Application Manager (ITCAM) Agents for WebSphere Messaging to monitor MQ queue managers in Linux and Windows.

Level of Difficulty: Beginner

+ Reference

https://www.ibm.com/support/knowledgecenter/SSTFXA\_6.3.0.2/com.ibm.itm.doc\_6.3fp2 /welcome.htm

IBM Tivoli Monitoring V6.3 Fix Pack 2 documentation

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+++++ Chapter 1: Downloading the software

Visit IBM Passport Advantage to download the software There are many components to choose from. For the basic configuration described in this document, only 2 components were downloaded into the local Windows PC.

+ Summary of the 2 components to download

The most effective way to find an item in IBM Passport Advantage is by searching for "Pat Number".

Number of part to download: CIQ3GEN Title on Passport Advantage: IBM Tivoli Monitoring V6.3.0.2 Base, Windows (64 Bit env.), English Downloaded in local PC into the following directory: C:\downloads\ITM6302\BASE\ITM\_V6.3.0.2\_BASE\_WIN\_64\_EN.zip Size: 3.1 GB Number of part to download CIQ3QML Title on Passport Advantage

Title on Passport Advantage IBM Tivoli Monitoring V6.3.0.2 Agents, Multiplatform, Multilingual Downloaded in local PC into the following directory: C:\downloads\ITM6302\AGENTS\ITM\_V6.3.0.2\_AGT\_MP\_ML.tar.gz Size: 3.3 GB

### + Details: Start by visiting:

<u>https://www-01.ibm.com/support/knowledgecenter/SSTFXA\_6.3.0.2/com.ibm.itm.doc\_6.3fp2/welcome.htm</u> IBM Tivoli Monitoring V6.3 Fix Pack 2 documentation

#### Click on:

**Download Instructions** 

E				
Table of Contents	Tivoli Monitoring 6.3.0.2 > Version 6.3 Fix Pack 2			
↑ Back to all products				
Tivoli Monitoring	IBM Tivoli Monitoring V6.3 Fix Pack 2 documentation			
Tivoli Monitoring 6.3.0.2				
<ul> <li>Version 6.3 Fix Pack 2</li> <li>Quick Start Guide</li> </ul>	Welcome to the IBM Tivoli Mo and network applications on a	nitoring V6.3 Fix Pack 2 documentation, where you can fin- variety of operating systems, track the availability and perf	d informatior formance of y	
<ul> <li>Download instructions for IBM 1</li> <li>New in this release</li> <li>Using the publications</li> <li>Installation and Configuration G</li> <li>User's Guides</li> <li>Administrator's Guide</li> <li>Reference Guides</li> <li>Accessibility</li> <li>Documentation library</li> </ul>	Getting started Quick Start Guide New in this release Download instructions Preparing for installation Installation roadmap Installing IBM Tivoli Monitoring	<i>Common tasks</i> Tivoli Enterprise Portal User's Guide Administrator's Guide Command Reference	Trou Trou Mes: C+ Ti Tivol C+ Ti C+ Ti	
Glossary				

You will be taken to:

https://www.ibm.com/support/knowledgecenter/SSTFXA\_6.3.0.2/com.ibm.itm.doc\_6.3fp2 /welcome.htm Tivoli Monitoring 6.3.0.2 > Version 6.3 Fix Pack 2 > Download instructions for IBM Tivoli Monitoring V6.3.0.2

Table 2. Tivoli Monitoring software Number of eAssembly to download CRLF2ML Number of part to download CIQ3GEN Title on Passport Advantage IBM Tivoli Monitoring V6.3.0.2 Base, Windows (64 Bit env.), English Contents Tivoli Enterprise Monitoring Server, Tivoli Enterprise Portal Server, Tivoli Enterprise Portal

Client, Tivoli Data Warehouse agents, and application support for base agents in English for 64-bit Windows operating systems

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To install the Tivoli monitoring agents and Agent Builder, download the parts in Table 3.

Table 3. Tivoli Monitoring agents and Agent Builder Number of eAssembly to download CRLF3ML Number of part to download CIQ3QML Title on Passport Advantage IBM Tivoli Monitoring V6.3.0.2 Agents, Multiplatform, Multilingual Contents Operating system agents (IBM i, Linux, UNIX, Windows) and agentless OS agents (AIX, HP-UX, Linux, Solaris, Windows)

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+++++ Chapter 2: Installing the TEMS and the TEMA ++++ Chapter 2: Installing the TEMS and the TEMA

Let's install first the 2 most basic components: TEMS - Tivoli Enterprise Monitoring Server TEMA - Tivoli Enterprise Monitoring Agents

Login to the Windows PC as an Administrator.

Go to the directory where the installation file for the ITM BASE was downloaded: IBM Tivoli Monitoring V6.3.0.2 Base, Windows (64 Bit env.), English

Downloaded in local PC in: C:\downloads\ITM6302\BASE\ITM\_V6.3.0.2\_BASE\_WIN\_64\_EN.zip

Unzip the file.

Go to the WINDOWS subdirectory:

C:\downloads\ITM6302\BASE\ITM\_V6.3.0.2\_BASE\_WIN\_64\_EN\WINDOWS

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Launch the installation wizard by double-clicking the setup.exe file in the  $\WINDOWS$  subdirectory

You must do "right click" and select: Run as Administrator Otherwise, you will get error that you must run it as an administrator.

	Open
	Run as administrator
Organize	Open with EditPad Troubleshoot compatibility Run with graphics processor Edit with Notepad++
Name KULW KULW KULW KUMN KUMN KUMN	<ul> <li>Scan for Viruses</li> <li>Zip and Share (WinZip Express)</li> <li>WinZip</li> <li>Convert with Wondershare Video Converter</li> <li>Burn with Wondershare Video Converter</li> <li>Scan with Malwarebytes Anti-Malware Restore previous versions</li> </ul>
KUM\ KUM\ KUXV KUXV KUXV	Send to  Symantec Encryption Desktop Cut Copy
III KUXV III KUXV Ø READ	Create shortcut Delete Rename
🔄 setup.ex	Re 09/05/2013
Setup.ir	09/05/2013

You will see the Welcome installation screen and the licensing agreement. Follow the prompts.

For the screen that asks where to install the product...

IBM Tivoli Monitoring - InstallShield Wizard **Choose Destination Location** Select folder where setup will install files.

... you can accept the default Destination folder:

C:\IBM\ITM

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For the User Data Encryption Key, again, I chose to accept the default: The default encryption key is: IBMTivoliMonitoringEncryptionKey

IBM Tivoli Monitoring - InstallShield Wizard
User Data Encryption Key
Encryption is used for all Secure Socket (SSL) connections with the Tive
Server, thereby protecting any sensitive data being transmitted. The enc
character Encryption Key. You may use the default as shown, or enter y
character key, excluding special characters = (equal) ' (quote) and , (cor
Key:
IBMTivoliMonitoringEncryptionKey

Continue with the prompts

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In the Select Features window ...

... select the check box for TEMS: (the 2nd item in the list) Tivoli Enterprise Monitoring Server (TEMS)

Hori Enterprise Monitoring Agents - TEMA
 Tivoli Enterprise Monitoring Server - TEMS

Notice that automatically the 1st item in the list, TEMA, was also selected.

Tivoli Enterprise Monitoring Agents - TEMA
 Tivoli Enterprise Monitoring Server - TEMS
 Tivoli Enterprise Portal Server - TEPS
 TEP Desktop Client - TEPD
 Tivoli Enterprise Monitoring Automation Server - KAS
 Tivoli Enterprise Help Server

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Expand the item for TEMS (the 2nd item in the top hierarchy)

Select the features you want to install, and deselect the features you do no



Because the focus of this techdoc is to install the minimum components, some items will be unchecked / unselected from  $\mathsf{TEMS}$ 

Notice that the corresponding deselection took place in the first/top main component "Tivoli Enterprise Monitoring Agents" TEMA.

For this techdoc the following items for TEMA and TEMS remained selected. The others were unselected:

For TEMA:

(\*) Tivoli Enterprise Monitoring Agents - TEMA

- (\*) 32/64 Bit Agent Compatibility Package (x86-64 only)
- (\*) Tivoli Enterprise Monitoring Agent Framework
- (\*) Tivoli Enterprise Monitoring Agent Framework (x86-64 only)
- () Warehouse Proxy Agent (x86-64 only)
- () Tivoli Performance Analyzer
- () Summarization and Pruning Agent (x86-64 only)
- (\*) Tivoli Enterprise Services User Interface Extensions

🖃 🗹 Tivoli Enterprise Monitoring Agents - TEMA
32/64 Bit Agent Compatibility Package (x86-64 only)
Tivoli Enterprise Monitoring Agent Framework
— ✓ Tivoli Enterprise Monitoring Agent Framework (x86-64 c
Tivoli Performance Analyzer
■ Tivoli Enterprise Services User Interface Extensions

### For TEMS

### (\*) Tivoli Enterprise Monitoring Server - TEMS

- () Monitoring Agent for i5/OS
- () Warehouse Proxy
- (\*) Monitoring Agent for Linux OS
- (\*) Tivoli Enterprise Monitoring Server (86-64 only)
- (\*) Monitoring Agent for Windows OS
- () Tivoli Performance Analyzer
- (\*) Agentless Monitoring for Windows OS
- () Agentless Monitoring for AIX OS
- (\*) Agentless Monitoring for Linux OS
- () Agentless Monitoring for HP-UX OS
- () Agentless Monitoring for Solaris OS
- () Summarization and Pruning Agent
- () IBM Tivoli Monitoring 5.x Endpoint Support
- (\*) Monitoring Agent for UNIX Logs
- (\*) Universal Agent
- (\*) Monitoring Agent for UNIX OS

Lew I Ivoli Enterprise Monitoring Server - TEMS
Monitoring Agent for i5/0S
🗹 Tivoli Enterprise Monitoring Server (86-x64 only)
Monitoring Agent for Windows OS
Tivoli Performance Analyzer
— ✓ Agentless Monitoring for Windows Operating Systems
Agentless Monitoring for Linux Operating Systems
Agentless Monitoring for Solaris Operating Systems

Agentless Monitoring for Linux Operating Systems	-
	:
Agentless Monitoring for Solaris Operating Systems	
Monitoring Agent for UNIX OS	

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For now, these other components were not installed at this time. TEPS and TEPD will be installed later.

- () Tivoli Enterprise Portal Server TEPS
- () TEP Desktop Client TEPD
- () Tivoli Enterprise Monitoring Automation Server KAS
- () IBM Eclipse Help Server

E Tive	oli Enterprise Portal Server - TEPS		=
TEP Desktop Client - TEPD      Tivoli Enterprise Monitoring Automation Server - KAS      Tivoli Enterprise Help Server			
<ul> <li>■ □ □ □ □</li> </ul>		•	-

After pressing Next, the generation report for the pre-requisites was performed.

There was 1 failure: the prerequisites for the product KMS (Windows 7 is not supported) failed. After some investigation I decided to ignore this warning and it was ok to ignore it.

Genera	ating Prerequisite Scanner reports	
PASS PASS FAIL PASS PASS	KGL       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KUE       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KMS       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KGS       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KGS       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KGS       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt         KJM       C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt	*
FAIL	$\label{eq:prerequisite} Prerequisite Scanner Overall Result = C: \label{eq:result} IBM \label{eq:result} IBM \label{eq:result} IBM \label{eq:result} IBM \label{eq:result} IBM \label{eq:result} Prerequisite Scanner Overall Result = C: \label{eq:result} IBM \label$	

Clicked "Yes" to the warning that not all the prerequisites were met.

IBM Tivoli Monitoring - InstallShield Wizard	- 23
Not all prerequisites for components have been met. Do you want to continue with the installation?	
Yes <u>N</u> o	

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On the next panel, I selected the corresponding items that I selected earlier:

- (\*) 32/64 Bit Agent Compatibility Package (x86-64 only)
- () Warehouse Proxy Agent (x86-64 only)
- () Summarization and Pruning Agent (x86-64 only)
- (\*) Tivoli Enterprise Services User Interface Extensions

Select the agents to configure for remote deployment.

Tivoli Enterprise Services User Interface Extensions

Continue with the prompts and you will be asked for a password.

The user "sysadmin" cannot be changed. Because this is a test machine, I used an easy password: passw0rd

BM Tivoli Monitoring - InstallShield Wizard 🧧						
TEPS Desktop and Browser Signe	on ID and Password	IBM				
	Please provide the Password the TEP Server. The passwo NOTE: The ID cannot be ch installation.	to be used by the Desktop Client and Browser Client to access rd is validated by TEMS during TEPS connect. anged, it must be sysadmin. Other IDs can be added after				
	ID:	sysadmin				
	Password:	•••••				
	Confirm Password:	••••••				

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Review the installation summary details. The summary identifies the components you are installing.

+ begin quote

Install into Directory: C:\IBM\ITM Add Program Folder: IBM Tivoli Monitoring

Available Disk Space: 75618 MB Required Disk Space: 545 MB Deploy Required Disk Space: 237 MB TEMP Total Disk Space Required: 100 MB Total Disk Space Required: 882 MB

Install the following features:

Tivoli Enterprise Monitoring Agents - TEMA: 32/64 Bit Agent Compatibility Package (x86-64 only) Tivoli Enterprise Monitoring Agent Framework Tivoli Enterprise Monitoring Agent Framework (x86-64 only) Tivoli Enterprise Services User Interface Extensions

Tivoli Enterprise Monitoring Server - TEMS: Monitoring Agent for Linux OS Tivoli Enterprise Monitoring Server (86-x64 only) Monitoring Agent for Windows OS Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Monitoring Agent for UNIX Logs Universal Agent Monitoring Agent for UNIX OS

GSK component: IBM GSKit Security Interface (86-x64 only) IBM GSKit Security Interface

JVM component: Embedded JVM (86-x64 only) Embedded JVM

Tivoli Command Line Interface: Tivoli Enterprise Services User Interface

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Configure the following Agents for deployment: 32/64 Bit Agent Compatibility Package (x86-64 only) Tivoli Enterprise Services User Interface Extensions

+ end quote

Click Next to begin the installation.

The appropriate files will be installed.

After the components are installed, a configuration window (called the Setup Type window) is displayed.

(\*) Configure Tivoli Enterprise Monitoring Server

(\*) Configure agents default connection to Tivoli Enterprise Monitoring Server

(\*) Launch Manage Tivoli Monitoring Services for additional configuration options and to start Tivoli Monitoring services.

In the following screens you will be prompted for the information required to configure the following items. Uncheck the box to delay configuration until after installation is complete. Some configurations items are mandatory (preceded by an *) and cannot be unchecked.
Configure Tivoli Enterprise Monitoring Servei
Configure agents default connection to Tivoli Enterprise Monitoring Server
Launch Manage Tivoli Monitoring Services for additional configuration options and to start Tivoli Monitoring services

Click Next to start configuring all selected components.

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There will be a pop up Window that will have items to be configured. If you have many windows opened in your desktop you may miss it!

IBM Tivoli Monitoring - InstallShie	ld Wizard		83	
Setup Status		II	M.	
	IBM Tivoli Monitoring is configuring your ner	w software installation.		
	Configuring IBM/Tivoli Monitoring Agents.			
	Tivoli Enterprise Monitoring S	erver Configuration		x
	TEMS Type	Configuration Auditing	Г	Tivoli Event Integration Facility
	• Hub	✓ Security: Validate User		
	C Remote	LDAP Security: Validate User with LDA	Р? Г	<ul> <li>Disable Workflow Policy/Tivoli Emitter Agent Event Forwarding</li> </ul>
		Address Translation	ī	TEMS Security Compatibility Mode
	TEMS Name	HUB_IP-9-30-145-168		
	Protocol for this TEMS		🔲 Configure Hot Sta	ndby TEMS
InstallShield	Protocol 1:	IP.PIPE	Protocol 1:	T
	Protocol 2:		Protocol 2:	

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For the screen of "Tivoli Enterprise Monitoring Server Configuration" I made 2 changes:

1: Unchecked the box: ( ) Security: Validate User

(The reason is that this is a test environment - for Production, definitively a reconfiguration will be needed to ensure that the user is validated)

2: Added: Protocol 2: IP.UDP

I accepted the name for the TEMS, which is based on the HOSTNAME of the Windows PC: HUB\_IP-9-30-145-168

Tivoli Enterprise Monitoring	Server Configuration	
TEMS Type	Configuration Auditing	
🔍 Hub	🔲 Security: Validate User	]
C Remote	LDAP Security: Validate User with LD	AP ?
	Address Translation	
TEMS Name	HUB_IP-9-30-145-168	
Protocol for this TEMS		
Protocol 1:	IP.PIPE	
Protocol 2:	IP.UDP	Ē
E Protocol 3:		

Click OK. Next, configure the Protocols:

Note: In a preliminary test installation, when I accepted the Hostname, I got a warning, which was a "false alarm" and could be ignored, but I wanted to avoid that warning this time. Thus I am specifying the IP address.

If you decide to keep the Hostname, then the following technote might be useful:

Warning: There is recognized incorrect value for Hub TEMS configuration. <Hostname> was not recognized as "self reference" See the following technote: <u>http://www.ibm.com/support/docview.wss?uid=swg21599506</u> TEMS Hostname configuration error

For IP.PIPE, I specified the IP address instead of the hostname: 9.30.145.168 I accepted the port: 1918

Hub TEMS Configuration	
Advanced settings: Hub TEMS IP.PIPE   IP.UDP	
Hostname or IP Address	9.30.145.168
Port number	1918

Same for the IP.UDP protocol:

Hı	ub TEMS Configuration	
Г	-Advanced settings: Hub TEMS	
	IP.PIPE IP.UDP	
	Hostname or IP Address	9.30.145.168
	Port number and/or Port Pools	1918 ?

Click OK to continue.

You will see the following window: Add application support to the TEMS

Add application support to the TEMS	X
TEMS Location	CINE OK
On this computer	Cancel
O On a different computer	
	Help

Accept the default: (\*) On this computer

Earlier on, we selected the base monitoring agents for which we wanted to install application support files on the monitoring server.

In this step, we activate the application support through a process known as seeding the monitoring server.

#### WARNING!!

This step was very confusing to me, even after I did a couple of preliminary installations. I thought: why I am asking again to deal with the agents? I have already told the installer to install the agents?

This is my conclusion and it helped me to better understand the rest of the configuration.

The TEMS is the CORE of ITM, and is capable to interact with many types of agents. But after the TEMS is installed for the first time, it does NOT KNOW how to interact with ANY agent!

Thus, it is important to tell the TEMS, which are the agents that it needs to interact with at this time.

During the previous step, some files related to the agents were installed in the PC, but the TEMS does NOT automatically use them.

Thus, the next screen will tell the TEMS that it needs to use them!

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You will see the window "Select the application support to add to the TEMS".

This window lists the monitoring agents that were installed earlier, but that the TEMS has NOT recognize yet.

You need to tell the TEMS explicitly that you want the TEMS to know about those agents! Click OK.

This will begin what is known as "seeding the monitoring server".

Ensure that all the agents are select and then accept the default of: (\*) New

Component	Application support file	Version
Aonitoring Agent for Linux OS	klz.sql	06.30.02.00
ivoli Enterprise Monitoring Server	kms_upg.sql	06.30.02.00
fonitoring Agent for Windows OS	knt.sql	06.30.02.00
gentless Monitoring for Windows Operating Syst	kr2.sql	06.30.02.00
gentless Monitoring for Linux Operating Systems	kr4.sql	06.30.02.00
Ionitoring Agent for UNIX Logs	kul.sql	06.23.03.00
Iniversal Agent	kum.sql	06.23.03.00
Ionitoring Agent for UNIX OS	kux.sql	06.30.02.00
Choose one of the following options to add or upda	te the situation distribution definitio	on to include the default ma
Choose one of the following options to add or upda	te the situation distribution definition terminition terminition terminities to all the applicable situation of the situation	on to include the default ma uations. Note that not all si
Choose one of the following options to add or upda All - This option adds the default managed syst you might need to manually define the distribut None - The default managed system group is	te the situation distribution definition rem groups to all the applicable sit ion in the Tivoli Enterprise Portal d not added to any situation.	on to include the default ma uations. Note that not all si lue to the specific content
<ul> <li>Choose one of the following options to add or upda</li> <li>All - This option adds the default managed syst you might need to manually define the distributi</li> <li>None - The default managed system group is in the default managed system group is that not all situations have the default managed specific content of the agent support package</li> </ul>	te the situation distribution definition tem groups to all the applicable situ ion in the Tivoli Enterprise Portal d not added to any situation. system groups to all applicable situ d group setting. For some, you mig . Modifications are not made to ma	on to include the default ma uations. Note that not all si lue to the specific content o nations from the product sug ht need to manually define anaged system groups in up

Click OK.

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Frankly, I do not know why the Protocols window is being shown again. Thus, I just clicked OK:

Configuration Defaults for Co	nnecting to a TEMS			
Primary TEMS Connection Protocol 1: Protocol 2:	IP.PIPE IP.UDP	•	Advanced settings	9.30.145.168
Protocol 3: Protocol 4: Protocol 5: Protocol 6:		• •	Port number	nd IP.SPIPE
Entry Options C Use case as typed C Convert to upper case			Address Translatic	on Used Settings
Configure Second	ary TEMS Connection		ОК	Cancel

Continue with the prompts until Finished.

Then the following screen will appear:

Manage Tivoli Enterprise Monitoring Services - TEMS Mode - (Local Computer)

There is at this time only 1 Service/Application:

Tivoli Enterprise Monitoring Server (TEMS1)



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And under the Start menu, you will see the Program Folder: IBM Tivoli Monitoring

Which contains the following items:

Manage Tivoli Monitoring Services Readme

Tivoli Enterprise Build-Level Listing



From the Start menu, for the IBM Tivoli Monitoring folder, if you click on the entry: Tivoli Enterprise Build-level Listing"

... you will see a window with the details of the installed components:

CL IBM Tivoli Build	d - Level Listing		
	Save As	Print	
Product code UE C:\IBM\ITM\BI Driver UE 06.30	Title Tivoli Enterprise Services U N - KUEWICMA.W ).02.00 built 2013/09/05 09:04 p	lser Interface Extensions Ilatform winnt	
Product code LZ C:\IBM\ITM\CN Driver LZ 06.30	Title Monitoring Agent for Linux C 4S - KLZWICMS.IvI .02.00 built 2013/08/22 10:08 pl	)S latform winnt	
Product code MS	Title Tivoli Enterprise Monitoring	Server	=

In Start > Administrative Tools > Computer Management

Under "Local users and groups", Select "Users"

Notice that there is a new user: sysadmin



Under "Services and Applications", notice that there is a new Service: Tivoli Enterprise Monitoring Svcs - TEMS1

🌆 Computer Management					
<u>File Action View H</u> elp					
🗢 🄿 🗖 🖬 🍳 🗟 🛛					
🜆 Computer Management (Local	Name	Description	Status	Startup Type	Log On As
<ul> <li> <sup>1</sup>/<sub>8</sub> System Tools         <ul> <li>Task Scheduler</li> <li>Task Scheduler</li> <li>Event Viewer</li> <li>Shared Folders</li> <li>Coal Users and Groups</li> <li>Users</li> <li>Groups</li> <li>OPerformance</li> <li>Duvist Neuroper</li> </ul> </li> </ul>	<ul> <li>SSDP Discovery</li> <li>Storage Service</li> <li>Superfetch</li> <li>System Event Notification Service</li> <li>Tablet PC Input Service</li> <li>Task Scheduler</li> <li>TCP/IP NetBIOS Helper</li> <li>Telenhony</li> </ul>	Discovers n Enforces gr Maintains a Monitors sy Enables Tab Provides su Provides Tel	Started Started Started Started	Manual Manual Automatic Automatic Manual Automatic Automatic Manual	Local Service Local Syste Local Syste Local Syste Local Syste Local Syste Local Service Network S
a Bevice Manager ▲ 🚰 Storage	Theres     Thread Ordering Server	Provides us Provides or	Started	Automatic	Local Syste
Services and Applications	Tivoli Enterprise Monitoring Svcs - TEMS1	E (1) \$ (47) 111	Started	Automatic	Local Syste.
Services	Service TP AutoConnect Service	ThinPrint .p		Manual	Local Syste
i WMI Control	🔍 TP VC Gateway Service	ThinPrint c		Manual	Local Syste
I	🔍 TPM Base Services	Enables acc		Manual	Local Service

Open an Explorer window to see the folders.

Notice that a new directory was created: C:\IBM\ITM



OK, now let's proceed to install the GUI component that will help us to visualize the monitored environment.

++++ Chapter 3: Installing the TEPS and TEPD Client

Installing the Tivoli Enterprise Portal Server and the Tivoli Enterprise Portal Desktop Client. (To keep the scenario as simple as possible, I did not install the browse-based client)

Go to the folder where the ITM code was downloaded and extracted (the same directory for installing the TEMA and the TEMS).

Go to the WINDOWS subdirectory:

C:\downloads\ITM6302\BASE\ITM\_V6.3.0.2\_BASE\_WIN\_64\_EN\WINDOWS

Similarly as in Chapter 2, launch the installation wizard by double-clicking the setup.exe file in the \WINDOWS subdirectory You must do "right click" and select: Run as Administrator

Notice that the first screen indicates that the installer has detected that some components have been installed already.



Click Next.

Accept the license.

Notice that the top 2 entries are already selected because they were installed in Chapter 2: TEMA and TEMS

Select the features you want to install, and deselect the features you do
⊕ 🗹 Tivoli Enterprise Monitoring Agents - TEMA
🕀 🗹 Tivoli Enterprise Monitoring Server - TEMS
Tivoli Enterprise Portal Server - TEPS
🗄 - 🗔 TEP Desktop Client - TEPD
🖶 🗔 Tivoli Enterprise Monitoring Automation Server - KAS
i IBM Eclipse Help Server

Now let's select the TEPS:

In the Select Features window, select Tivoli Enterprise Portal Server - TEPS from the list of components to install.

The IBM Eclipse Help Server is automatically selected when you select the portal server.



Expand TEPS and select/unselect components until the list looks like this:

- (\*) Tivoli Enterprise Portal Server TEPS
  - () Monitoring Agent for i5/OS
  - (\*) Tivoli Enterprise Portal Server (86-x64 only)
  - () Warehouse Proxy
  - (\*) IBM Installation Manager
  - (\*) TEC GUI Integration
  - (\*) Monitoring Agent for Linux OS
  - (\*) Monitoring Agent for Windows OS
  - () Tivoli Performance Analyzer
  - (\*) Agentless Monitoring for Windows OS
  - () Agentless Monitoring for AIX OS
  - (\*) Agentless Monitoring for Linux OS
  - () Agentless Monitoring for HP-UX OS
  - () Agentless Monitoring for Solaris OS
  - () Summarization and Pruning Agent
  - () IBM Tivoli Monitoring 5.x Endpoint Support
  - (\*) Monitoring Agent for UNIX Logs
  - (\*) Universal Agent
- (\*) Monitoring Agent for UNIX OS
- (\*) IBM Eclipse Help Server

The selection screen looks like this:

🔲 🗹 Tivoli Enterprise Portal Server - TEPS		
Monitoring Agent for i5/0S	-	
III Tivoli Enterprise Portal Server (86-x64 only)	=	
IBM Installation Manager		
→ IEC GUI Integration		
Tivoli Performance Analyzer		
Agentless Monitoring for Windows Operating System	ns	
	-	
Agentless Monitoring for Linux Uperating Systems		
Agentless Monitoring for HP-UX Uperating Systems		
Agentless Monitoring for Solaris Uperating Systems		
Summarization and Pruning Agent		
IBM Tivoli Monitoring 5.x Endpoint Support		
Monitoring Agent for UNIX Logs		
Monitoring Agent for UNIX OS	=	
🖶 🗔 TEP Desktop Client - TEPD		
🚋 🗔 Tivoli Enterprise Monitoring Automation Server - KAS		
🗄 🗹 IBM Eclipse Help Server	+	

Now select the item for TEPD:

Select also

- (\*) TEP Desktop Cleitn TEPD
- () Monitoring Agent for i5/OS
- (\*) Tivoli Enterprise Portal Server (86-x64 only)
- () Warehouse Proxy
- (\*) TEC GUI Integration
- (\*) Monitoring Agent for Linux OS
- (\*) Monitoring Agent for Windows OS
- () Tivoli Performance Analyzer
- (\*) Agentless Monitoring for Windows OS
- () Agentless Monitoring for AIX OS
- (\*) Agentless Monitoring for Linux OS
- () Agentless Monitoring for HP-UX OS
- () Agentless Monitoring for Solaris OS
- () Summarization and Pruning Agent
- (\*) Monitoring Agent for UNIX Logs
- (\*) Universal Agent
- (\*) Monitoring Agent for UNIX OS



Click on Next.

Then the requisite checking took place and there were some failures:

FAIL KCQ C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt

- PASS KCJ C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt
- FAIL Prerequisite Scanner Overall Result

C:\IBM\ITM\InstallITM\prereqscan\COMMON\result.txt

The failures were same as another component, in which Windows 7 was not listed in the supported OSs.

I decided to ignore this warning and continue with the installation.

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The window "Agent Deployment" is a potentially confusing window.

Just select the corresponding components that were selected earlier:

- (\*) 32/64 Bit Agent Compatibility Package (x86-64 only)
- () Warehouse Proxy Agent (x86-64 only)
- () Summarization and Pruning Agent (x86-64 only)
- (\*) Tivoli Enterprise Services User Interface Extensions

Agent Deployment	
	Select the agents to configure for remote deployment.
	☑ 32/64 Bit Agent Compatibility Package (x86-64 only) Warehouse Proxy Agent (x86-64 only)

This is the list of items to be installed at this time:

A previous install has been detected and will be updated. Install into Directory: C:\IBM\ITM Add Program Folder: IBM Tivoli Monitoring

Available Disk Space: 70439 MB Required Disk Space: 4409 MB Deploy Required Disk Space: 237 MB TEMP Total Disk Space Required: 600 MB Total Disk Space Required: 5246 MB

Install the following features:

Tivoli Enterprise Monitoring Agents - TEMA: 32/64 Bit Agent Compatibility Package (x86-64 only) Tivoli Enterprise Monitoring Agent Framework Tivoli Enterprise Monitoring Agent Framework (x86-64 only) Tivoli Enterprise Services User Interface Extensions

Tivoli Enterprise Monitoring Server - TEMS:

Monitoring Agent for Linux OS Tivoli Enterprise Monitoring Server (86-x64 only) Monitoring Agent for Windows OS Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Monitoring Agent for UNIX Logs Universal Agent

Monitoring Agent for UNIX OS Tivoli Enterprise Portal Server - TEPS: Tivoli Enterprise Portal Server (86-x64 only) **IBM Installation Manager TEC GUI Integration** Monitoring Agent for Linux OS Monitoring Agent for Windows OS Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Monitoring Agent for UNIX Logs **Universal Agent** Monitoring Agent for UNIX OS **TEP Desktop Client - TEPD:** Tivoli Enterprise Portal Desktop Client (86-x64 only) TEC GUI Integration Monitoring Agent for Linux OS Monitoring Agent for Windows OS Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Monitoring Agent for UNIX Logs Universal Agent Monitoring Agent for UNIX OS **TEP Web Browser Client:** Tivoli Enterprise Portal Browser Client **TEC GUI Integration** Embedded JVM - TEP Browser Client Monitoring Agent for Linux OS Monitoring Agent for Windows OS Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Monitoring Agent for UNIX Logs **Universal Agent** Monitoring Agent for UNIX OS IBM Eclipse Help Server: **IBM Eclipse Help Server** GSK component: IBM GSKit Security Interface (86-x64 only) **IBM GSKit Security Interface** JVM component: Embedded JVM (86-x64 only)

Embedded JVM

Tivoli Command Line Interface: Tivoli Enterprise Services User Interface

Configure the following Agents for deployment: 32/64 Bit Agent Compatibility Package (x86-64 only) Tivoli Enterprise Services User Interface Extensions

Click Next to start the installation.

After installation is complete, a configuration window (called the Setup Type window) is displayed.

Setup Type Select the setup type that best s	uits your needs.
	In the following screens you will be prompted for the information required to configure the followi items. Uncheck the box to delay configuration until after installation is complete. Some configurations items are mandatory (preceded by an *) and cannot be unchecked.
	Configure Tivoli Enterprise Portal
	Configure Tivoli Enterprise Monitoring Server
	Configure agents default connection to Tivoli Enterprise Monitoring Server
	Launch Manage Tivoli Monitoring Services for additional configuration options and to start Tivoli Monitoring services

Accept the default selections and continue with the prompts.

The hostname of the computer where you are installing the portal server will be shown. (The host name of this computer is displayed by default.) Accept it. Click Next.



Accept the default for the database type:

(\*) Embedded TEPS database

TEP Server Configuration
Specify the database type to be used for Tivoli Enterprise Portal Server.
If a radio button is disabled, the database is either not installed or installed but not at a supported level.
Database Type
Embedded TEPS database
C DB2

Configure the connection between the portal server and the hub Tivoli Enterprise Monitoring Server.

Select the communications protocol that the monitoring server uses from the Protocol dropdown list. Click OK.

Enter the host name or IP address and the port number for the hub monitoring server. Click OK.

You will have to make the same configuration changes as you did in Chapter 2. This is what the window looks like after using the IP address and adding IP.UDP. The port number 1918 was used.

Configuration Defaults for Co	nnecting to a TEMS			
Primary TEMS Connection Protocol 1: Protocol 2:		•	Advanced settings	
Protocol 3: Protocol 4: Protocol 5: Protocol 6:		• •	Hostname or IP Address Port number Common for IP.PIPE and	9.30.145.168
Entry Options C Use case as typed C Convert to upper case D Optional Secondary TEM	S Connection		Address Translation	Used
Configure Second	ary TEMS Connection		ОК	Cancel

After making the configuration changes, click OK.

I accepted the defaults for: LDAP Security

and for:

Dashboard data provider

That is, these items were NOT selected.

TEP Server Configuration
LDAP Security
Malidate User with LDAP ?      Enable Single Sign On
Dashboard data provider
Enable the dashboard data provider
Domain override
Enable authorization policies
OK Cancel Help

There was a question regarding the warehouse and database, I just ignored it by clicking "No" and continue with the prompts.



You will see the window "Add application support to the TEMS"

Accept the TEMS location to be: (\*) On this computer

Add application support to the TEMS	<b>—</b>
TEMS Location	ОК
<ul> <li>On this computer</li> </ul>	Cancel
O On a different computer	
	Help

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Accept the selections in "Select the application support to add to the TEMS" and the choice of:

- (\*) None
- ... to continue. Click OK.

Select the application support to add to the TEM	S		×			
Component	Application support file	Version	Directory			
Monitoring Agent for Linux OS	klz_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Tivoli Enterprise Monitoring Server	kms_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Monitoring Agent for Windows OS	knt_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Agentless Monitoring for Windows Operating Syst	kr2_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Agentless Monitoring for Linux Operating Systems	kr4_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Monitoring Agent for UNIX Logs	kul_upg.sql	06.23.03.00	C:\IBM\ITM\CMS\sqllib\			
Universal Agent	kum_upg.sql	06.23.03.00	C:\IBM\ITM\CMS\sqllib\			
Monitoring Agent for UNIX OS	kux_upg.sql	06.30.02.00	C:\IBM\ITM\CMS\sqllib\			
Default distribution list settings Choose one of the following options to add or update the situation distribution definition to include the default managed system groups:						
C All - This option adds the default managed system groups to all the applicable situations. Note that not all situations have the default managed group setting. For some, you might need to manually define the distribution in the Tivoli Enterprise Portal due to the specific content of the agent support package.						
None - The default managed system group is not added to any situation.						
OK	Select All	Cancel	Help			

Accept again and click OK.

Configuration Defaults for Co	nnecting to a TEMS			
Primary TEMS Connection			Advanced settings	
Protocol 1:	IP.PIPE	•	IP.PIPE IP.UDP	
Protocol 2:	IP.UDP	-	Harbert and District	
Protocol 3:		-	Hostname or IP Address	9.30.145.168
Protocol 4:		-	Port number	1918
Protocol 5:		~	Common for IP.PIPE and I	P.SPIPE
Protocol 6:		~	Connection must pas	s through firewall
Entry Options			🗖 Address Translation I	Used
O Use case as typed			MAT Soft	inge
<ul> <li>Convert to upper case</li> </ul>			INAT Set	ings
Optional Secondary TEM:	S Connection			
Configure Seconda	ary TEMS Connection		ОК	Cancel

### Wait for the completion:



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You will see additional entries in "Manage Tivoli Enterprise Monitoring Services":

📱 Manage Tivoli Enterprise Monitoring S	Services - TEMS M	ode - [Local Co	omputer]							
Actions Options View Windows	<u>H</u> elp									
II 💿 🛓 🗟 🔋										
Service/Application	Task/SubSyst	Configured	Status	Configurati	Startup	Account	Desktop	HotSt	Version	Host
🔀 🔤 Eclipse Help Server	HELPSVR	Yes	Started	up-to-date	Auto	LocalSyst	No	No	06.30.02.00	
🔛 Tivoli Enterprise Portal	Browser	Yes		N/A	N/A	N/A	N/A	N/A	06.30.02.00	localhost
🔛 Tivoli Enterprise Portal	Desktop	Yes		N/A	N/A	N/A	N/A	N/A	06.30.02.00	IP-9-30-14
🔀 🐯 Tivoli Enterprise Portal Server	KFWSRV	Yes (TEMS)	Started	up-to-date	Auto	LocalSyst	No	No	06.30.02.00	
Tivoli Enterprise Monitoring Server	TEMS1	Yes	Started	up-to-date	Auto	LocalSyst	No	No	06.30.02.00	

Then reboot.

After reboot, the Start menu has one more item under the folder for IBM Tivoli Monitoring:

Tivoli Enterprise Portal



Before starting the Tivoli Enterprise Portal, we need to ensure that the TEMS and the TEPS are running.

Run as administrator, the "Manage Tivoli Monitoring Services":



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In this case, yes, after the reboot, the TEMS and TEPS are running:

📳 Manage Tivoli Enterprise Monitoring S	Services - TEMS M	ode - [Local C	omputer]	
Actions Options View Windows	<u>H</u> elp			
II I 😔 🛓 尾 🔋				
Service/Application	Task/SubSyst	Configured	Status	Configurati
🔀 🔤 Eclipse Help Server	HELPSVR	Yes	Started	up-to-date
🔛 Tivoli Enterprise Portal	Browser	Yes		N/A
🔀 Tivoli Enterprise Portal	Desktop	Yes		N/A
🔀 Tivoli Enterprise Portal Server	KFWSRV	Yes (TEMS)	Started	up-to-date
🛛 🤾 🛞 Tivoli Enterprise Monitoring Server	TEMS1	Yes	Started	up-to-date

+++++ Chapter 4: Starting the Tivoli Enterprise Portal GUI

Now we can start the Tivoli Enterprise Portal GUI.

Step 1: We can do it in 2 ways:

Option a) From the Start Menu, run "Tivoli Enterprise Portal". Ensure to use right-click and "Run as Administrator"



Option b) From the Manage Tivoli Enterprise Monitoring Services interface. Select:

Tivoli Enterprise Portal

📱 Manage Tivoli Enterprise Monitoring Servio	ces - TEMS Mode - [Loo	al Computer]	
Actions Options View Windows Help			
Service/Application	Task/SubSyst	Configured	Status
💏 🕶 Eclipse Help Server	HELPSVR	Yes	Started
🛂 Tivoli Enterprise Portal	Browser	Yes	
🔛 Tivoli Enterprise Portal	Desktop		
🔀 😯 Livoli Enterprise Portal Server	KFW/SRV	Yes (TEMS)	Started
💏 🕶 Monitoring Agent for Windows OS	Primary	Yes (TEMS)	Started
💏 🕶 WebSphere MQ Monitoring Agent	QM_WIN1	Yes (TEMS)	Started
🕏 🕶 WebSphere MQ Monitoring Agent	Primary	Yes (TEMS)	Stopped
🔀 🕶 WebSphere MQ Configuration Agent 🚽	Primary	Yes (TEMS)	Started
📥 Agentless Monitoring for Linux OS	Template		
🔺 Agentless Monitoring for Windows OS	Template		
🔆 🛞 Tivoli Enterprise Monitoring Server	TEMS1	Yes	Started

Then right click on "Start"

Service/Application		Task/SubS
🛠 🕶 Eclipse Help Server		HELPSVR
😨 Tivoli Enterprise Portal		Browser
Tivoli Enterprise Portal	Start	
🛪 🛥 Monitoring Agent for Wir	Stop	

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Step 2: From the TEP GUI, enter the userid "sysadmin" and the corresponding password (in this case is: passw0rd)

This is also known as the credentials.



I accepted the certificate and specified the top choice: (\*) Accept this certificate permanently



The TEP Desktop interface is shown.

Notice that there is only the top level "Enterprise" entry.



Exit the TEP Desktop.

We need to proceed to install the ITM agents.

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+++++ Chapter 5: Installing the ITM Agents

This is the component that has the basic Agents (not the MQ ones):

IBM Tivoli Monitoring V6.3.0.2 Agents , Multiplatform, Multilingual (CIQ3QML ) 3,294MB File: ITM\_V6.3.0.2\_AGT\_MP\_ML.tar.gz It was downloaded into: C:\downloads\ITM6302\AGENTS\

You need to go to the subdirectory "WINDOWS": cd C:\downloads\ITM6302\AGENTS\WINDOWS

Run as administrator the setup.exe Follow the prompts.

Notice that it recognized that ITM is already installed and thus, we will upgrade the existing installation.

	Welcome to the installer for IBM Tivoli Monitoring
ſ	The installer will upgrade the existing release of IBM Tivoli Monitoring on your computer. See details and to continue, click Next.
I	Details:
l	Installed: IBM Tivoli Monitoring - TMV630
	DVD: IBM Tivoli Monitoring - TMV630

Click Next and proceed with the prompts.

In the screen "Select Features", select the following:

- (\*) Tivoli Enterprise Monitoring Agents TEMA
  - (\*) 32/64 Bit Agent Compatibility Package (x86-64 only)
- (\*) Tivoli Enterprise Monitoring Agent Framework
- (\*) Tivoli Enterprise Monitoring Agent Framework (x86-64 only)
- () Monitoring Agent for Windows OS (Note: is it 32-bit)
- (\*) Monitoring Agent for Windows OS (x86-64 only)
- (\*) Agentless Monitoring for Windows OS
- (\*) Agentless Monitoring for Linux OS
- ... ( ) Agentless Monitoring for xxx OS
- (\*) Tivoli Enterprise Services User Interface Extensions

🖃 🗹 Tivoli Enterprise Monitoring Agents - TEMA
32/64 Bit Agent Compatibility Package (x86-64 only)
Tivoli Enterprise Monitoring Agent Framework
Tivoli Enterprise Monitoring Agent Framework (x86-64 only
Monitoring Agent for Windows OS (x86-64 only)
Agentless Monitoring for Windows Operating Systems
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

Click Next. The prequisite checking takes place.



In this case, there were no problems.

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Then you will see another screen asking a similar question for the remote deployment, and again, specify the above entries.

(\*) Tivoli Enterprise Monitoring Agents - TEMA

- (\*) 32/64 Bit Agent Compatibility Package (x86-64 only)
- (\*) Tivoli Enterprise Monitoring Agent Framework
- (\*) Tivoli Enterprise Monitoring Agent Framework (x86-64 only)
- () Monitoring Agent for Windows OS (Note: is it 32-bit)
- (\*) Monitoring Agent for Windows OS (x86-64 only)
- (\*) Agentless Monitoring for Windows OS
- (\*) Agentless Monitoring for Linux OS
- ... ( ) Agentless Monitoring for xxx OS
- (\*) Tivoli Enterprise Services User Interface Extensions

🖃 🗹 Tivoli Enterprise Monitoring Agents - TEMA	
—☑ 32/64 Bit Agent Compatibility Package (x86-64 only)	
Tivoli Enterprise Monitoring Agent Framework	
── ✓ Tivoli Enterprise Monitoring Agent Framework (x86-64 only	y)
Monitoring Agent for Windows OS	
── ✓ Monitoring Agent for Windows OS (x86-64 only)	
Agentless Monitoring for Windows Operating Systems	
— 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	
■ Tivoli Enterprise Services User Interface Extensions	

Continue with the prompts.

You will see a summary:

A previous install has been detected and will be updated. Install into Directory: C:\IBM\ITM Add Program Folder: IBM Tivoli Monitoring

Available Disk Space: 129015 MB Required Disk Space: 519 MB Deploy Required Disk Space: 728 MB TEMP Total Disk Space Required: 100 MB Total Disk Space Required: 1347 MB

Install the following features:

Tivoli Enterprise Monitoring Agents - TEMA: 32/64 Bit Agent Compatibility Package (x86-64 only) Tivoli Enterprise Monitoring Agent Framework Tivoli Enterprise Monitoring Agent Framework (x86-64 only) Monitoring Agent for Windows OS (x86-64 only) Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Tivoli Enterprise Services User Interface Extensions

GSK component: IBM GSKit Security Interface (86-x64 only) IBM GSKit Security Interface

JVM component: Embedded JVM (86-x64 only) Embedded JVM

Tivoli Command Line Interface: Tivoli Enterprise Services User Interface

Configure the following Agents for deployment: 32/64 Bit Agent Compatibility Package (x86-64 only) Monitoring Agent for Windows OS (x86-64 only) Agentless Monitoring for Windows Operating Systems Agentless Monitoring for Linux Operating Systems Tivoli Enterprise Services User Interface Extensions

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Continue with the installation.

Click OK:

In the following screens you will be prompted for the information required to configure the following items. Uncheck the box to delay configuration until after installation is complete. Some configurations items are mandatory (preceded by an *) and cannot be unchecked.	
Configure agents default connection to Tivoli Enterprise Monitoring Server	
Launch Manage Tivoli Monitoring Services for additional configuration options and to start Tivoli Monitoring services	

IP.UDP	-	Hostname or IP Address	9 30 145 168
	• •	Port number	1918
		Common for IP.PIPE and	d IP.SPIPE
		Address Translation	n Used attings
; Connection			
	IP.UDP	i Connection	IP.UDP IP

When finished, you will see the screen for: Manage Tivoli Enterprise Monitoring Services - TEMS Mode

Notice that there are new entries, among them: Monitoring Agent for Windows OS (Started)

📱 Manage Tivoli Enterprise Monitoring Service	s - TEMS Mode -	[Local Comput	er]
Actions Options View Windows Help			
I I 🚱 🛓 尾 💡			
Service/Application	Task/SubSyst	Configured	Status
🔀 🕶 Eclipse Help Server	HELPSVR	Yes	Started
🕎 Tivoli Enterprise Portal	Browser	Yes	
🕎 Tivoli Enterprise Portal	Desktop	Yes	
🔀 🚯 Tivoli Enterprise Portal Server	KFWSRV	Yes (TEMS)	Started
🔭 🕶 Monitoring Agent for Windows OS	Primary	Yes (TEMS)	Started
Agentiess Monitoring for Linux US	i empiate		
📥 Agentless Monitoring for Windows OS	Template		
🔆 🛞 Tivoli Enterprise Monitoring Server	TEMS1	Yes	Started

Now start the TEP Desktop. This time we see the addition of: - Windows Sytems - IP-9-30-145-168

- Windows OS



# Let's click on the item for: Agent Management Services

We can see that there are 4 such services.

Agent Management Services - IP-9-30-145-168 - SYSAE      Eile Edit View Help	IMIN			
	⊞   00 ● 🗞 🖽 🌒	III 😤 🗎 🖲 🚺	🖱 🔲 🖻 🖻 🔗 🜉 🛛	3
🗠 Navigator	\$ □ 🖻	Agents' Management Status		
View: Physical	- 🔍 📝	Agent Name		
III Enterprise		Agentless Monitoring for Linux Operating Systems Agentless Monitoring for Windows Operating Systems Monitoring Agent for Windows OS		
		Proxy Agent Services Wa	tchdog	0
- Processor		Agents' Alerts		
Agent Management Services	]	<ul> <li>Timestamp</li> </ul>	Alert Message	
କଳ୍ପ Physical			4	
Agents' Runtime Status				
Agent Name	Timestamp	Agent Availability Status	Process Name	
Agentless Monitoring for Linux Operating Systems	03/01/16 12:09:32	Unknown	kr4agent.exe	
Agentless Monitoring for Windows Operating Systems	03/01/16 12:09:32	Unknown	kr2agent.exe	
Monitoring Agent for Windows OS	03/01/16 12:09:32	Running 🛛	kntcma.exe	
Proxy Agent Services Watchdog	03/01/16 12:09:32	Running 🛛	kcawd.exe	

Now let's use some line commands.

First, you MUST open a command prompt for Windows and run it as an administrator:



Notice that the title of the command prompt will be: Administrator: Command Prompt



C:\Users\pdcadmin> tacmd login -s ip-9-30-145-168.svl.ibm.com:1920 -u sysadmin -p passw0rd

Validating user...

KUIC00007I: User sysadmin logged into server on http://ip-9-30-145-168.svl.ibm.c om:1920.

KUIC00008W: The connection you are using is not secure.

HUM!! The above warning could be a bit confusing, because it is just a WARNING, and you were able to log in!

The first time I encountered this warning, I thought that my login failed, but it worked! Thus, you just need to issue the next ITM command. See next page. Page 48 of 48

C:\Users\pdcadmin> tacmd viewdepot Product Code : NT-CHECKER Version : 063002000 Description : Prerequisite Checker for the Monitoring Agent for Windows OS Host Type : WIN Host Version : WIN Prerequisites: PRECHECK-BASE:063002000 Product Code : PRECHECK-BASE Version : 063002000 Description : Tivoli Prerequisite Checker Host Type : WIN Host Version : WIN **Prerequisites:** Product Code : R2 Version : 063002000 Description : Agentless Monitoring for Windows Operating Systems Host Type : WINNT Host Version : WINNT Prerequisites: Product Code : UE Version : 063002000 Description : Tivoli Enterprise Services User Interface Extensions Host Type : WINNT Host Version : WINNT Prerequisites: . . . Product Code : NT Version : 063002000 Description : Monitoring Agent for Windows OS Host Type : WIX64 Host Version : WIX64 Prerequisites: **NEXT ACTION:** 

See the tutorial: <u>http://www.ibm.com/support/docview.wss?uid=swg27048600</u> Installation of ITCAM Agents 7.3 in Windows to monitor MQ queue managers IBM Techdoc: 7048600

+++ end +++