IBM Tivoli Job Interview Questions And Answers

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Question - 1:
What are the Install support files on RTEMS?

Ans:
bash-2.04S ./installIraAgentTEMS.sh /opt/IBM/ITM
Loading TEMS support without restart requires 6.2 Fixpack 1 or higher and HUB TEMS information passed via -h, -u, and -p.
Restarting TEMS to activate support.
Stopping TEMS...
It can take up to ten minutes.
TEMS stopped...
Starting TEMS...
It can take up to ten minutes.
TEMS started...
Install of K1s TEMS support successful.

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Question - 2:
What are the install support files to TEPS?

Ans:
bash-2.04S ./installIraAgentTEPS.sh /IBM/ITM Installing k2s ......
Online help for this agent will not be available until the Help Server is restarted, which also requires restarting the TEPS.

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Question - 3:
What are the pre requisite for Agent Builder?

Ans:
To install the Agent Builder, you must first install and have running one of the following operating systems:
• AIX 5.2 ML10 x86 (32-bit) or later
• AIX 5.3 ML5  x86 (32-bit) or later
• AIX 6.1
• AIX 7.1
• Red Hat Enterprise Linux 4.0 + U2 x86 (32-bit) or later
• Red Hat Desktop Linux 4.0 + U2 x86 (32-bit) or later
• Red Hat Enterprise Linux 5.0 x86 (32-bit)
• Red Hat Enterprise Linux 5.0 x86-64 (64-bit)
• Red Hat Enterprise Linux 6.0 x86 (32-bit)
• SUSE Linux Enterprise Server 9 SP1 x86 (32-bit) or later
• SUSE Linux Enterprise Server 10 x86 (32-bit)
• SUSE Linux Enterprise Server 10 x86-64 (64-bit)
• SUSE Linux Enterprise Server 11 x86 (32-bit)
• SUSE Linux Enterprise Server 11 x86-64 (64-bit)
• Windows Server 2000
• Windows 2000 Advanced Server
• Windows Server 2003 EE x86 (32-bit)
• Windows Server 2003 SE x86 (32-bit)
• Windows Server 2003 Data Center x86 (32-bit)
• Windows Server 2003 EE x86-64 (64-bit)
• Windows Server 2003 SE x86-64 (64-bit)
• Windows Server 2003 Data Center x86-64 (64-bit)
• Windows XP Professional
• Windows Server 2008 Data Center x86 (32-bit)
• Windows Server 2008 EE x86 (32-bit)
• Windows Server 2008 Data Center x86-64 (64-bit)
• Windows Server 2008 EE x86-64 (64-bit)
• Windows Server 2008 SE x86-64 (64-bit)
Before you can run IBM Tivoli Monitoring Agent Builder, you must have Administrator authorization for the following reasons:

- Ability to ensure a consistent running environment for the Agent Builder and the agents designed with it.
- Ability to access parts of the operating system, which requires Administrator authorization. The Agent Builder is installed on a development system and is designed for developers who require this type of access.
- Before installing the IBM Tivoli Monitoring Agent Builder, uninstall any previous versions. No data is lost when you uninstall.

**Question - 4:**
Write the command to verify the agent running status?

**Ans:**
Verify Agent Running Status:
Go to /IBM/ITM/bin and run the below command:
```
bash-3.2$ ./cinfo -r
```

- Ability to ensure a consistent running environment for the Agent Builder and the agents designed with it.
- Ability to access parts of the operating system, which requires Administrator authorization. The Agent Builder is installed on a development system and is designed for developers who require this type of access.

**Question - 5:**
How to configure the Agent?

**Ans:**
Login as itmuser and go to /IBM/ITM/bin folder and run the below mentioned command-
```
bash-2.04$ ./itmcmd config -A ux
```

- Ability to ensure a consistent running environment for the Agent Builder and the agents designed with it.
- Ability to access parts of the operating system, which requires Administrator authorization. The Agent Builder is installed on a development system and is designed for developers who require this type of access.

**TCLI (Tivoli Command Line Interface):**
- Most of the Tivoli operations can be performed on command line interface.
- Must setup/“source” the Tivoli environment first.
  - o /etc/Tivoli/setup_env.sh
  - o %systemroot%\system32\drivers\etc\tivolisetup_env.cmd
  - o Most commands begin with a w
  - o Must have the same authorization to perform operations from the CLI or the Tivoli Desktop.
Question - 7:
Give the overview of TMR?

Ans:
TMR means Tivoli Management Region. It is a set of systems that are managed by one server. Each TME has its unique set of clients. Tivoli does not support more
then one TMR at a particular time, but you can interconnect one or more TMRs.

• TMR consist of :
  o Tivoli Server
  o 1 or more Managed Nodes/Gateways
  o Tivoli Management Agents/Endpoints

Question - 8:
What are the features of Business Service Management?

Ans:
Business Service Management features the following products:

• IBM Tivoli Business Systems Manager.
• IBM Tivoli Service Level Advisor.
• IBM Tivoli Enterprise Console.
• IBM Tivoli Netview.

Question - 9:
Give the categorization of IBM Tivoli Software Products?

Ans:
IBM Tivoli Softwares are categorized into six areas:

• Availability
• Business Service Management
• Orchestration
• Provisioning
• Security Management
• Storage and Optimization solution

Question - 10:
Give the steps to Configure qi agent?

Ans:
i) Go to /IBM/ITM/config
ii) copy the qi.xmland create a new file as given below-
cp qi.xml <ServerHostname>_qi_<MSGBROKERID>.xml
eg : cp qi.xml CNDAEAI2APZP16_qi_BREIBP5.xml
iii) Edit the new file as shown below-
Enter the Message broker ID in the shown in bold character below
bash-3.2$ more CNDAEAI2APZP16_qi_BREIBP5.xml
<?!defaultPersistentBrokerData="NO"

<!-Agent performance during startup will be greatly enhanced if the defaultPersistentBrokerData parameter is set to YES.-->

<!- Note: the defaultReplyQueueModel parameter must be set to "SYSTEM.BROKER.INTERBROKER.MODEL.QUEUE" or the name of another permanent model
queue if the defaultPersistentBrokerData parameter is set to YES.-->
Question - 11:
Give the steps to Configure mq agent?

**Ans:**

i) Go to /IBM/ITM/config
ii) copy the mq.cfg and create a new file as given below-
cp mq.cfg <ServerHostname>_mq_<QMANGERNAME>.cfg
eg : cp mq.cfg CNDAEAI2APZP18_mq_QMEIGP6.cfg
iii) Edit the new file as shown below:
   Important :
   In that following 3 places QManager names need to be added marked in bold
bash-3.2$ cat CNDAEAI2APZP19_sv1_mq_QMEIAP6.cfg
*****************************************************************
* *
* Licensed Materials - Property of IBM *
* *
* (C) Copyright IBM Corp. 1996, 2007 All Rights Reserved. *
* *
* US Government Users Restricted Rights - Use, duplication or *
* disclosure restricted by GSA ADP Schedule Contract with *
* IBM Corp. *
* *
*****************************************************************
SET GROUP NAME (GROUP1) -
  DEFAULT(YES) -
  RETAINHIST(120) -
  COMMAND (YES) -
  MSGACCESS(DESC) -
  EVENTS(REMOVE) -
  ACCOUNTINGINFO(REMOVE) -
  STATISTICSINFO(REMOVE) -
  SET MANAGER NAME(QMEIAP6)
  SET QUEUE NAME(*) MGRNAME(QMEIAP6) QDEFTYPE(PREDEFINED)
  SET CHANNEL NAME(*) MGRNAME(QMEIAP6)
  PERFORM STARTMON SAMPINT(300) HISTORY(NO)
iv) Change the file permission
bash-3.2$ chmod 777 Hostname_mq_QMANGERNAME.cfg
v) configure mq agent using itmcmd command ( normal configuration)
vii) start the instance of MQ
   ./itmcmd agent -o <QMANGERNAME> start mq

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Question - 12:
What are the VM Ware Environment can be monitored by using VM Ware VIagent?

**Ans:**

• VMware Virtual Center 2.5 or later
• VMware ESX Server 3.5 or later
• VMware ESXi Server 3.5 or later

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Question - 13:
What are the VM ware Agent Supported Platform?

**Ans:**

VM ware agent can be deployed in the following OS platform-
• Windows Server 2003 Standard (x86-32)
• Windows Server 2003 Standard (x86-64)
• Windows Server 2003 Enterprise (x86-32)
• Windows Server 2003 Enterprise (x86-64)
• Windows Server 2008 Standard (x86-32)
• Windows Server 2008 Standard (x86-64)
• Windows Server 2008 Enterprise (x86-32)
• Windows Server 2008 Enterprise (x86-64)
• Windows 2003 Data Center (x86-32)
• Windows 2003 Data Center (x86-64)
• Windows 2008 Data Center (x86-32)
• Windows 2008 Data Center (x86-64)

View All Answers
Question - 14:
What are the pre requisites for ITM VM Ware Agent Deployment?

Ans:
Pre requisites:
1.1. Hardware:
200MB of Disk Space is required in the client machine to deploy VM Ware Agent v.6.2.1.
1.2. Software:
Software prerequisite to deploy VM Ware Agent is as follows
• IBM Tivoli Monitoring V6.2.1 IF3 or later

Question - 15:
Give the overview about Kul_Configfile Entry?

Ans:
After completion of the formatting make edit the kul_configfile located in Candlehome/config and make the entry of the custom log file path along with the format command as shown below-

```
/month/day/year hour min sec system = "CNDAINOTOTZT01 %s" source type class desc
```

Save, exit and restart Unix log agent.

Question - 16:
Give some operations on kulmapper.samp file?

Ans:
```
bash-2.04$ cat kulmapper.samp
```

```
[a,"%*c%d/%d/%d %d:%d:%d%*c%*d %*s %*s %s %s %s %200[^] - month day year min sec source type class desc
```

```
[6/23/11 18:05:06:063 GMT+05:30] 0000000a WSChannelFram A CHFW0019I: The Transport Channel Service has started chain SOAPAcceptorChain2.The Transport Channel Service has started chain SOAPAcceptorChain2.
```

```
bash-2.04$ ./kulmapper
```

```
[a,"%*c%d/%d/%d %d:%d:%d%*c%*d %*s %*s %s %s %s %200[^] - month day year min sec source type class desc
```

```
year: 11
month: 6
day: 23
hour: 18
minute: 5
second: 6
system: WSCannelFram
source: CHFW0019I:
description: The Transport Channel Service has started chain SOAPAcceptorChain2.
```

Question - 17:
Give the brief about monitoring of custom logs and kulmapper utility in ITM?

Ans:
Monitoring of Custom Logs
Steps:
1) Install Unix logs agent on the host machine where you want to monitor the custom logs.
2) Get the logs and map the same using Kulmapper utility

Using kulmapper utility:
Kulmapper is a binary file that can be used to map the different fields of a log into ITM standard format. Kulmapper binary is located in Candlehome/bin directory. By default it uses the sample mapping file kulmapper.samp located in Candlehome/config directory. To map a custom log file take a backup of the kulmapper.samp
file and enter the format command in the first line and the log file entry in the second line, after that execute the kulmapper binary.

Question - 18:
For ITM agent upgrade, what agent version should be used?

Ans:
For itm agent upgrade , we must use below agent version dump as highlighted and shared with you. Here we are using ITM agent version 6.2.2 fix pack 4 dump
For aix 5.3 - ux_06210000_aix526
aix 6.1 - ux_06210000_aix526
aix 5.2 - ux_06210000_aix523
For linux 2.6 32 bit - lx_06210000_lx6263
linux 2.6 64 bit - lx_06210000_lx6263
linux 2.4 32 bit - lx_06210000_lx6243

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Question - 19:
For fresh ITM agent installation, what agent version should be used?

Ans:
For fresh itm agent installation , we need to use below agent version dump as shared with you:
For aix 5.3 - ux_06210000_aix526
For linux 2.6 32 bit - lx_06210000_lx6263

View All Answers

Question - 20:
Give the steps to install the VMWare agent?

Ans:
Step 1: Copy the VM Ware Aent support file software dump and proceed as mentioned below-
bash-2.04$ cd /software/itmvm/sup
bash-2.04$ ls
AUTORUN.INF Deploy README.TXT WINDOWS kcirunas.cfg notices silent_install.txt
CZ9N7EN.tar DeployLnk.sh REPORTS install.sh non_ibm_license silent_config.txt unix
bash-2.04$ ./install.sh
INSTALL
Enter the name of the IBM Tivoli Monitoring directory
[ default = /opt/IBM/ITM ] : /IBM/ITM
ITM home directory "/IBM/ITM" already exists.
OK to use it [ 1-yes, 2-no; "1" is default ]? (Press Enter Here)
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: 1
Initialing ...
International Program License Agreement
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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.

1
Product packages are available in /software/itmvm/sup/unix
The following products are currently installed in "/IBM/ITM/".
IBM GSKit Security Interface V07.40.27.00 @ AIX R5.2 (32 bit)/R5.3 (32 bit) AIX R6.1 (32 bit)
IBM GSKit Security Interface V07.40.27.00 @ AIX R5.2 (64 bit)/R5.3 (64 bit) AIX R6.1 (64 bit)
TEMS Configurator V07.00.02.00 @ AIX R5.3 (64 bit) AIX R6.1 (64 bit)
Tivoli Enterprise Monitoring SOAP Server V06.22.03.00 @ AIX R5.3 (64 bit) AIX R6.1 (64 bit)
Tivoli Enterprise Monitoring Server V06.22.03.00 @ AIX R5.3 (64 bit) AIX R6.1 (64 bit)
Tivoli Enterprise Services User Interface Extensions V06.22.03.00 @ AIX R5.3 (64 bit) AIX R6.1 (64 bit)
Tivoli Enterprise Services User Interface V06.22.03.00 @ AIX R5.3 (64 bit) AIX R6.1 (64 bit)
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.

KCIN2463W Warning: This installation media does not contain any components which can be run on the current system platform arcPressecture. To install components which can run on this system, please locate the installation media containing files similar to "aix5*". jar.
NOTE: IF YOU ARE INSTALLING APPLICATION SUPPORT, CONTINUE WITH THE INSTALLATION TO SEE A LIST OF SUPPORT FILES.
Press Enter to continue, or type 'q' to quit: (Press Enter Here)
Product packages are available for the following operating systems and component support categories:
1) Tivoli Enterprise Portal Browser Client support
2) Tivoli Enterprise Portal Server support
3) Tivoli Enterprise Monitoring Server support
Type the number for the OS you want, or type "q" to quit selection: 3
You selected number "3" or "Tivoli Enterprise Monitoring Server support"
Is the selection correct [ 1=Yes, 2=No ; default is "1" ] ? (Press Enter Here)
The following products are available for installation:
1) Monitoring Agent for VMware VI V06.21.00.03
2) all of the above
Type the numbers for the products you want to install, type "b" to change operating 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: 2
The following products will be installed:
Monitoring Agent for VMware VI V06.21.00.03
Are your selections correct [ 1=Yes, 2=No ; default is "1" ] ? (Press Enter Here)
=> installed "Monitoring Agent for VMware VI V06.21.00.03 for Tivoli Enterprise Monitoring Server support"

Question - 21:
What are the VM Ware Agent Support File?
Ans:
Install VM ware agent Support file on each of the following-
• HTEMS
• REMOTETEMS
• TEPS
• TEPS Desktop

Question - 22:
State the features of TADDM?
Ans:
Tivoli Application Dependency Discovery Manager features are as follows: or it gives answers to the following questions:
• What is on the network?
• Is is the network changing with time?
• If it is, what changes are occurring?
• How do the components (servers, applications, and other processes) depend on each other?
• Do all the applications installed on the nodes are as per the security standards?
• TADDM do the discovery of computers, software, and relationships in the various business services applications.

Question - 23:
Give the command to Check the Agent status?
Ans:
bash-2.04$ ./cinfo -r
*********** Fri Jan 28 16:22:38 IST 2011 ******************
User: itmuser Groups: staff
Host name : CNDATADMAPZ02 Installer Lvl:06.21.03.00
CandleHome: /IBM/ITM
***********************************************************
Host Prod PID Owner Start ID ..Status
CNDATADMAPZ02 ux 114694 itmuser 16:19:59 None ...running
bash-2.04$

Question - 24:
Name the various Other ITM Agents installed on unix/linux servers?
Ans:
ux Monitoring Agent for UNIX OS
um Universal Agent
yn Monitoring Agent for WebSphere
ht Monitoring Agent for Web Servers
mq WebSphere MQ Monitoring Agent
mc WebSphere MQ Configuration Agent

Question - 25:
Give the steps to start the Instance of MQ agents?
Ans:
Suppose we got Offline MQ agent as:
MS_Offline:QMEIBP1::MQ
Check the agent status first:
bash-2.04$ ./cinfo -r
*********** Fri Jan 28 16:59:07 IST 2011 ******************
User: itmuser Groups: mqm mqbrkrs
Host name: CNDAEA12APZP04 Installer Lvl:06.21.03.00
CandleHome: /IBM/ITM
******************************************************************************
Host Prod PID Owner Start ID ..Status
CNDAEA12APZP04_svc1 mc 176582 CNDAEA12APZP04
CNDAEA12APZP04_svc1 mq 295460 BREIBP2
CNDAEA12APZP04_svc1 mq 238186 QMEIBP2
bash-2.04$ No MQ instance for QMEIBP1 running as can see for QMEIBP2 running above.
Hence, we will try to start the QMEIBP1 instance first with below command
bash-2.04$ ./itmcmd agent -o QMEIBP1 start mq
Starting WebSphere MQ Monitoring Agent...
WebSphere MQ Monitoring Agent started
bash-2.04$
bash-2.04$ ./cinfo -r
*********** Fri Jan 28 16:59:07 IST 2011 ******************
User: itmuser Groups: mqm mqbrkrs
Host name: CNDAEA12APZP04 Installer Lvl:06.21.03.00
CandleHome: /IBM/ITM
******************************************************************************
Host Prod PID Owner Start ID ..Status
CNDAEA12APZP04_svc1 mc 176582 CNDAEA12APZP04
CNDAEA12APZP04_svc1 mq 295460 BREIBP2
CNDAEA12APZP04_svc1 mq 238186 QMEIBP2
CNDAEA12APZP04_svc1 mq 30450 QMEIBP1
bash-2.04$

Question - 26:
Give the steps To start Universal Agent: um?

Ans:
bash-2.04$ ./itmcmd agent start um
Starting Universal Agent...
Universal Agent started
bash-2.04$ ./cinfo -r

Question - 27:
Write the steps to start TBSM?

Ans:
1. Stop ngf service
2. update alerts.status set RAD_FilterIDList = ",", RAD_ServiceName="", RAD_IsIntermediateFunction=0, RAD_FunctionType=""
3. delete from service_deps table in Omnibus
4. start 104 ngf service first and then start 106 ngf service

Question - 28:
What are the phases of Discovery in ITNM?

Ans:
Now that the discovery has started, can monitor the progress of the discovery on the Network Discovery Status page. Use the status in the Discovery Phase field to determine how the discovery is running:
1. Until the first device is discovered, the discovery phase is Idle/Standby (0).
2. After the first device is discovered, the status changes to Discovering Network (1). As further devices are discovered, the count in the Processed IP Addresses field increases.
3. The discovery then runs through the following statuses:
a. Downloading ARP (2)
b. Downloading Connections (3)
c. Correlating Connectivity (-1)
4. After the discovery is completed, the status reverts back to Idle/Standby (0).

Question - 29:
Explain how to increase the storage limit for historical performance data in ITNM?

Ans:
You can increase the storage limit for historical performance data. This enables
Performance reports to display a greater amount of historical data. The storage limit for historical performance data is set by default to a conservative value of 5 million database rows. You can increase this value; however, this can lead to a degradation in the performance of the Performance reports.

To increase the storage limit for historical performance data:
1. Locate the following file:
   - UNIX: `$NCHOME/etc/precision/NcPollerSchema.cfg`
   - Windows: `%NCHOME%etcprecisionNcPollerSchema.cfg`
2. Find the section that contains the following lines:
   ```
   -- =========================================================================
   -- pruning
   -- =========================================================================
   ```
3. Change the value of `MAXPOLLDATAROWS`.

---

**Question - 30:** How to Assign poller for MIB graphing in ITNM?

**Ans:**
If you have defined additional pollers, and want to assign a poller to handle MIB graphing, edit the properties file.
You must have created the poller that you want to use for MIB graphing before you edit the file.
To assign a poller for MIB graphing:
1. Open the following file: `$TIPHOME/profiles/TIPProfile/etc/tnm/tnm.properties`.
2. Change the value of the `tnm.graph.poller` parameter from `DEFAULT_POLLER` to the name of the required poller.
3. Save and close the file.

---

**Question - 31:** How to Remove a poller in ITNM?

**Ans:**
If a poller is not being used to monitor the network, you can remove the poller from the monitoring system.
To remove a poller from the monitoring system, you must delete its record from the NCMonitor Poller table, which removes the record from the Monitor Policy editor. The `ncp_poller` process attempts to remove the relevant record from the poller table and then exits.
Complete the following tasks to remove a poller from the monitoring system.
1. From the Network Manager server, issue the following command:
   ```
   ncp_poller -deregister -domain [domain_name] -name [poller_name]
   ```
   Note: When you issue this command, the record is deleted from the NCMONITOR Poller table.
2. From the Monitor Policy Editor, edit each active policy to use a valid poller.

---

**Question - 32:** What are Domain specific configuration files in ITNM?

**Ans:**
Although in practice there are some files that you are unlikely to need to alter, in principle all of the following types of files can be made domain-specific:
- Configuration files, that is, all files ending in `.cfg`
- Discovery agent files, that is, all files ending in `.agnt`
- Active Object Class files, that is, all files ending in `.aoc`
- Text-based stitcher files, that is, all files in a stitchers directory ending in `.stch`

---

**Question - 33:** How to Setup an additional poller in ITNM?
Set up an additional poller on the Network Manager server if one poller is not sufficient to handle your network load.

To set up an additional poller for the monitoring system, you must add a record to the NCIMonitor Poller table, which adds the record to the Monitor Policy editor. The ncp_poller process creates the record in the poller table and then exits. The poller is automatically installed when you install Network Manager. Complete the following steps to register a new instance of the poller and automatically start the poller.

1. On the system where the poller will run, register the poller by entering the following command:
   ```
   ncp_poller -domain domain_name -register -name poller_name
   ```
2. Edit the CtrlServicesDOMAIN.cfg file.
   a. Locate the entry for the ncp_poller process.
   b. Copy the entry and change the -name parameter to match the name you used to register the poller.
   c. Save and close the file.
3. Restart the ncp_ctrl process with the specified domain. The ncp_ctrl process restarts all running ncp_processes, including the new poller.

---

**Question - 34:**

How to Checking process status by running the itnm_status command in ITNM?

**Ans:**

On UNIX operating systems, you can check the status of IBM Tivoli Netcool/OMNIbus, the Tivoli Integrated Portal, and Network Manager by using the itnm_status command. Follow these steps.

1. Change to the $NCHOME/precision/bin directory.
2. Type the following command: `itnm_status`

   This command displays the status of all of the Network Manager components that are installed on the server.

---

**Question - 35:**

State the Database Requirements to install TADDM?

**Ans:**

- IBM DB2 v9.1, Fix Pack 2
- AIX(64 bit)
- Solaris SPARC(64 bit)
- Linux on System(64 bit)
- Linux x86 (32 or 64 bit).
- Windows (32 or 64 bit) operating systems.

---

**Question - 36:**

State the OS requirements to install TADDM?

**Ans:**

- AIX 5.2, Fix Pack 7 or later, or 5.3(current release).
- Red Hat Linux Advanced Server version 4 or 5(32 or 64 bit).
- SUSE Linux Enterprise Server Server Version 9 or 10(32 or 64 bit).
- Sun Solaris SPARC version 9 or 10.
- Microsoft Windows Server 2003 Datacenter, Enterprise, or Standard, SP2 or greater (32 or 64 bit).
- Red Hat Enterprise Linux 4.0.
- Red Hat Enterprise Linux 5.0.
- SUSE Linux Enterprise Server for System, version 9.0 patch level 3 or version 10.0.

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**Question - 37:**

State the hardware requirements to install TADDM?

**Ans:**

- Discovery Server
  1. 2 to 4 CPUs with minimum processor speed of 2GHz per processor.
  2. 4 to 8 GB of memory
  3. 100 GB disk space
- Anchor Server
  1. 2 CPUs with minimum processor speed of 1 GHz.
  2. 2 GB Memory.
  3. 5 GB disk space.
- Windows Gateway
  1. 2 CPUs with minimum processor speed of 1GHz per processor.
  2. 2 GB Memory.
  3. 2 GB disk space
Question - 38:
Give the overview of TADDM Components?

Ans:
- Discovery Manager: The server running the TADDM discovery processes.
- Administrative Console: It provides the server status, runtime and license information.
- Discovery Client: A java based GUI on which we can configure and run discovery processes.
- Domain Manager: A portal in the administrative console with which you can view all your configuration items and manage users.
- Anchor Servers: These are required to run the discovery in firewall zones.
- Windows Gateway Server: These are required to discover the windows systems.
- Database(CMDB): The repository to store the information collected after discovery.

Question - 39:
Give the brief overview of CMDB?

Ans:
- It is a data store or logical collection of data that contains all the information about IT assets.
- It maintains the relationship between these assets, CIs and their changes.
- It can become the reliable and accurate source of information if managed properly.
- The major difference between the CMDB and any other data repository is of making the relationship between the Configuration Items.

Question - 40:
What are the benefits of TADDM?

Ans:
The benefits of TADDM are as follows:
- TADDM provides the information about the current running application on the network.
- TADDM helps in understanding the computing environment of your organization.
- By TADDM we get to know which applications and services are deployed on the network.
- TADDM can also discover the relationships between applications and services.
- By the help of TADDM we can determine the network related problems.
- By TADDM we can determine the compliance related problem.

Question - 41:
Explain how to disable port 3661 on windows server in ITM?

Ans:
Please perform the below mentioned steps to disable port 3661 towards security vulnerability on windows servers -
1. Log into the windows server as itmuser
2. Go to Startà Programsà IBM Tivoli Monitoringà Manage Tivoli Monitoring Services, to open ITM Agent Management console
3. Verify which all agents are installed as presented in the below screen ie Universal Agent /Monitoring Agent for Windows OS
   Note: In all the servers Monitoring Agent for Windows OS is present,universal agent is present in some severs only.
4. Go to the directory C:IBMITMTMAITM6
5. Locate the following two files in this directory-
   i) KNTENV à For Windows OS Agent
   ii) KUMENVà For Universal Agent ( This file will be present only if universal agent is installed on this server)
6. Open these files in wordpad and enter the below mentioned line at the end of file.
   KDC_FAMILIES=https:0
7. Open Registry Editor and expand HKEY_LOCAL_MACHINEàSOFTWAREàCmadleàKNTàVer610àPrimaryàEnvironment
   On the Right Hand Side window, Right click on KDC_FAMILIES and click on modify.
   On the value data filed enter the following value.
   https:0
   Restart the agents running on the sever.

Question - 42:
Tell me how to create node in ITM and check its status?

Ans:
1. Run the create node command as mentioned below- 
   ./tacmd createnode -h 10.5.138.74 -u itmuser -w Edcv$0987 -p SERVER=10.5.139.70 PROTOCOL=IP.PIPE PROTOCOL1=IP.SPIPE
2. Check the results as mentioned below-
   bash-2.04$ ./tacmd getDeployStatus -g 1311890165524480000023807
   Transaction ID : 1311890165524480000023807
   Status : SUCCESS
   Retries : 0
   TEMS Name : REMOTETEMS
   Target Hostname: 10.5.138.74
   Platform : WINNT
   Product : NT

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Question - 43:
Write the command to export situation in ITM?

Ans:
tacmd viewSit -s N_IGIS_Missing_MQService -e N_IGIS_Missing_MQService

Question - 44:
Write the command to split the ITM agents?

Ans:
tacmd exportBundles -o SPD -t ux -e <full path of directory where to store the splitted image > -i <Full path to the directory where agent file after extracting>/unix

Question - 45:
State the Discovery Client Requirements to install TADDM?

Ans:
• Hardware(minimum)
  1. 1 x 1.0 Ghz processor.
  2. 512 MB RAM.
  3. 1024 x 768 resolution display.
• Hardware(minimum)
  1. 1 x 2.0 Ghz processor.
  2. 2 GB RAM.
  3. 1280 x 1024 or higher resolution display.
• Software
  1. JRE 1.5 with JAVA web start
  2. IE 7.
• OS
  1. OS X, Windows XP professional.

Question - 46:
Tell me what are various Connector modes in TDI?

Ans:
• Iterator.
• Lookup Connector.
• Addonly
• Update.
• Delete
• Delta
• Server
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