Example of ISM v7.4.0.3 agent installation on RHEL 7.9

1) [root@ns181 ISM]# **cat /etc/os-release**

NAME="Red Hat Enterprise Linux Server"

VERSION="7.9 (Maipo)"

ID="rhel"

ID\_LIKE="fedora"

VARIANT="Server"

VARIANT\_ID="server"

VERSION\_ID="7.9"

PRETTY\_NAME="Red Hat Enterprise Linux Server 7.9 (Maipo)"

ANSI\_COLOR="0;31"

CPE\_NAME="cpe:/o:redhat:enterprise\_linux:7.9:GA:server"

HOME\_URL="https://www.redhat.com/"

BUG\_REPORT\_URL="https://bugzilla.redhat.com/"

REDHAT\_BUGZILLA\_PRODUCT="Red Hat Enterprise Linux 7"

REDHAT\_BUGZILLA\_PRODUCT\_VERSION=7.9

REDHAT\_SUPPORT\_PRODUCT="Red Hat Enterprise Linux"

REDHAT\_SUPPORT\_PRODUCT\_VERSION="7.9"

2) ISM agent v7.4.0.3 package used to install it:

<https://www.ibm.com/support/pages/ibm-tivoli-composite-application-manager-transactions-internet-service-monitoring-74-fix-pack-3-readme-file>

|  |  |  |
| --- | --- | --- |
| Tivoli Composite Application Manager for Transactions V7.4.0.3 Internet Service Monitoring – Linux x86, AMD64, Multiplatform, English | Linux | **G018KML** |

Prerequisite:

**The ITM v6 TEMS/TEPS environment used by the agent needs to run a minimum version of ITM 630 Fix Pack 7 SP6**

Once **G018KML** is downloaded, you get:

-rw-r--r-- 1 root root 1092321280 Sep 21 2021 **ITCAM\_TRAN7.4.0.3ISM\_LNX\_AMD64\_EN.tar**

3) ISM v7.4.0.3 agent installation example, in fresh new directory **/opt/ISM\_RHEL79**:

[root@ns181 ISM]# **cd /opt**

[root@ns181 opt]# **mkdir ISM\_RHEL79**

[root@ns181 opt]# pwd

/opt

[root@ns181 opt]# cd ERIC

[root@ns181 ERIC]# cd ISM

(**ITCAM\_TRAN7.4.0.3ISM\_LNX\_AMD64\_EN.tar image was extracted here under ./ISM temporary directory)**

[root@ns181 ISM]# ls

Deploy DeployLnk.sh English.txt InstallITM install.sh kcirunas.cfg license non\_ibm\_license notices README.TXT silent\_config.txt silent\_install.txt unix

[root@ns181 ISM]# **./install.sh**

INSTALL

Enter the name of the IBM Tivoli Monitoring installation directory.

[ default = /opt/IBM/ITM ]: **/opt/ISM\_RHEL79**

Directory "/opt/ISM\_RHEL79" already exists.

OK to use it [ 1-yes, 2-no; **"1" is default** ]?

Enter the name of the IBM Tivoli Monitoring local data directory.

[ default = **/opt/ISM\_RHEL79** ]:

Installation directory and data directory are the same.

OK to share it [ 1-yes, 2-no; **"1" is default** ]?

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**

Initializing ...

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to print it, "4" to read non-IBM terms, or "99" to go back

to the previous screen.

**1**

Enter a 32-character encryption key, or just press Enter to use the default

Default = IBMTivoliMonitoringEncryptionKey

....+....1....+....2....+....3..

**Product packages are available in /opt/ERIC/ISM/unix**

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 ]: **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"** ] ?

The following products are available for installation:

1) **ITCAM for Transactions: Internet Service Monitoring V07.40.03.00**

2) Tivoli Enterprise Services User Interface Extensions V06.30.07.08

3) all of the above

Type the numbers that correspond to the products that 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: **1**

The following products will be installed:

ITCAM for Transactions: Internet Service Monitoring V07.40.03.00

Are your selections correct [ 1=Yes, 2=No ; default is "1" ] ?

Do you want to **check prerequisites** for the above components? [ 1=Yes, 2=No ; **default is "1"** ] ?

**Running Prerequisite Scanner**.

This may take a few minutes depending on the number of components being checked and the machine's performance.

Prerequisite Scanner results for the selected components:

**PASS** IBM Tivoli Monitoring Shared Libraries /opt/ISM\_RHEL79/logs/prereqscan/20220419-100054/COMMON/result.txt

**PASS** IBM GSKit Security Interface /opt/ISM\_RHEL79/logs/prereqscan/20220419-100054/COMMON/result.txt

**PASS** ITCAM for Transactions: Internet Service Monitoring /opt/ISM\_RHEL79/logs/prereqscan/20220419-100054/COMMON/result.txt

**PASS** Tivoli Enterprise-supplied JRE /opt/ISM\_RHEL79/logs/prereqscan/20220419-100054/COMMON/result.txt

**PASS** Prerequisite Scanner Overall Result /opt/ISM\_RHEL79/logs/prereqscan/20220419-100054/COMMON/result.txt

Do you want to continue with the installation [ 1=Yes, 2=No ; **default is "1"** ] ?

Installing IBM Global Security Toolkit

GSkit encryption key has been set.

Key File directory: /opt/ISM\_RHEL79/keyfiles

... installing "ITCAM for Transactions: Internet Service Monitoring V07.40.03.00 for Linux x86\_64 R2.6, R3.0 (64 bit)"; please wait.

=> installed "ITCAM for Transactions: Internet Service Monitoring V07.40.03.00 for Linux x86\_64 R2.6, R3.0 (64 bit)".

... Initializing component ITCAM for Transactions: Internet Service Monitoring V07.40.03.00 for Linux x86\_64 R2.6, R3.0 (64 bit).

... ITCAM for Transactions: Internet Service Monitoring V07.40.03.00 for Linux x86\_64 R2.6, R3.0 (64 bit) initialized.

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

... postprocessing; please wait.

... finished postprocessing.

Installation step complete.

**You may now configure any locally installed IBM Tivoli Monitoring product via the "/opt/ISM\_RHEL79/bin/itmcmd config" command**.

Created symlink from /etc/systemd/system/multi-user.target.wants/ITMAgents4.is.service to /usr/lib/systemd/system/ITMAgents4.is.service.

Created symlink from /etc/systemd/system/ITMAgents4.is.service.wants/ITMAgents4.target to /usr/lib/systemd/system/ITMAgents4.target.

Automatic start at system initialization has been configured.

Automatic stop at system shutdown has been configured.

The install.sh command creates most of directories and files with world write permissions. IBM Tivoli Monitoring provides the secureMain utility to helps you keep the monitoring environment secured. You can secure this installation now or manually execute the secureMain utility later. For more information see Appendix G. Securing your IBM Tivoli Monitoring installation on Linux or UNIX in the IBM Tivoli Monitoring Installation and Setup Guide.

Do you want to secure this IBM Tivoli Monitoring installation [ 1-yes, 2-no; **"2" is default** ]?

4**) Cinfo checking**:

[root@ns181 bin]# **./cinfo -t**

\*\*\*\*\*\*\*\*\*\*\* Tue Apr 19 10:38:09 BST 2022 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

User: root Groups: root

Host name : ns181 Installer Lvl:06.30.07.12

CandleHome: /opt/ISM\_RHEL79

Version Format: VV.RM.FF.II (V: Version; R: Release; M: Modification; F: Fix; I: Interim Fix)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

...Product inventory

PC PRODUCT DESC PLAT VER BUILD INSTALL DATE

ax IBM Tivoli Monitoring Shared Libraries lx8266 06.30.07.14 d0316a 20220419 1003

gs IBM GSKit Security Interface lx8266 08.00.55.17 d0283a -

is ITCAM for Transactions: Internet Service Monitoring lx8266 07.40.03.00 02586 20220419 1003

jr Tivoli Enterprise-supplied JRE lx8266 08.06.15.00 202010091045 -

**[root@ns181 bin]# pwd**

**/opt/ISM\_RHEL79/bin**

5) You can then configure the ISM agent to connect it to your TEMS:

[root@ns181 bin]# pwd

/opt/ISM\_RHEL79/bin

[root@ns181 bin]# **./itmcmd config -A is**

Agent configuration started...

Edit "Internet Service Monitor Agent" settings? [ 1=Yes, 2=No ] (default is: 1): 2

Will this agent connect to a TEMS? [1=YES, 2=NO] (Default is: 1):

Network Protocol [ip, sna, ip.pipe, ip.spipe, ip6, ip6.pipe or ip6.spipe] (Default is: ip.pipe):

Now choose the next protocol from one of these:

- ip

- sna

- ip.spipe

- ip6

- ip6.pipe

- ip6.spipe

- 0 for none

Network Protocol 2 (Default is: 0):

**TEMS Host Name** for IPv4 (Default is: ns181): **here enter TEMS host or IP address**

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):

Disable HTTP? [1=YES, 2=NO] (Default is: 2):

Agent configuration completed...

[root@ns181 bin]#

6) last step is to install ISM 7.4.0.3 agent’s application support on your TEMS, TEPS (and optionally TEP desktop client) host(s). see for details

<https://www.ibm.com/support/pages/ibm-tivoli-composite-application-manager-transactions-internet-service-monitoring-74-fix-pack-3-readme-file>

7) then you can start ISM agent; then deploy a ISM monitor profile on it, using TEP client GUI, and by launching the Internet Service Configuration GUI.

Example of results:

Graphical user interface, application

Description automatically generated