

Autosys Agent Installation:

1. Login to clprdlbat03, Set the **Java HOME/PATH**:
 - a. export JAVA_HOME=/opt/oracle/mw/java/jdk1.7.0_311/jre
 - b. export PATH=/opt/oracle/mw/java/jdk1.7.0_311/jre/bin:\$PATH
2. Navigate to the directory where Agent installation binary(*setup.bin*) is available
 - a. cd /opt/oracle/installers/CA_WA_System_Agent_11_4_1/linux_x86_64
3. Create a temp directory and set **IATEMPDIR** environment variable
 - a. mkdir temp
 - b. export IATEMPDIR=/opt/oracle/installers/CA_WA_System_Agent_11_4_1/linux_x86_64/temp
4. Run setup.bin
 - a. ./setup.bin -i console
 - b. Press 'Enter' to Continue and Accept End User Agreement with option# 2

```
[root@clprdlbat03 linux_x86_64]# ./setup.bin -i console
Preparing to install
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

=====
CA WA Agent 11.4.01.00                      (created with InstallAnywhere)
=====

Preparing CONSOLE Mode Installation...

=====
Introduction
-----

InstallAnywhere will guide you through the installation of CA WA Agent
11.4.01.00.

It is strongly recommended that you quit all programs before continuing with
this installation.

Respond to each prompt to proceed to the next step in the installation.  If
you want to change something on a previous step, type 'back'.

In some cases a default value is provided and if more than one option is
available a default selection (denoted by ->) is provided.

To accept a default value, press <Enter>.

You may cancel this installation at any time by typing 'quit'.

PRESS <ENTER> TO CONTINUE:


=====
Accept End User Agreement
-----

DO YOU ACCEPT THE TERMS OF THE END USER LICENSE AGREEMENT?

BY ACCEPTING THE END USER LICENSE AGREEMENT, LICENSEE ACKNOWLEDGES THAT THIS
LICENSE HAS BEEN READ AND UNDERSTOOD.  A COPY OF THE LICENSE AGREEMENT IS
AVAILABLE ON THE INSTALLATION MEDIA.

->1- READ END USER LICENSE AGREEMENT
  2- I ACCEPT
  3- CANCEL

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 2
```



- c. Choose Option#1 to install Agent and enter the Agent name as 'WA_AGENT' and default port# 7520

```
=====
Agent Installation and Upgrade Options
=====

Please choose installation type or upgrade to perform.

Installation: Installs an AE specific agent or a generic agent.
Upgrade: Upgrades an installed agent from an earlier version.

->1- Install CA Workload Automation AE Agent Configuration
   2- Install Other Agent Configuration
   3- Upgrade Existing Agent

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1

=====
CA Workload Automation AE Installation Directory
=====

Enter the directory where CA Workload Automation AE is installed, or press
<Enter> to accept the default.

Directory (Default: /opt/CA/WorkloadAutomationAE):

=====
Agent Parameter Setup
=====

Agent Name: Enter a name for the Agent.
Input Port: Enter a port the Agent will use to communicate with the CA Host.
The port range is from 1024 to 65535.

Agent Name (Default: AGENT): WA_AGENT
Input Port (Default: 7520): 7520

=====
Installation Path
=====

Enter the directory where you want to install the Agent program files, or
press <Enter> to accept the default

Where would you like to install?

Default Install Folder: /opt/CA/WA_Agent

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
:
```

- d. Choose option#1 to start the Agent service automatically at System Startup and no. of WA Managers as '1' and WA Manager Name as 'RPROD_SCH' and Address as 'autosys1.calheers.net' and leave port as default and enter.

```
=====
Agent Service to Start Automatically at System Startup AE Mode
=====
```

```
Select option 1 to configure the agent service to start automatically at
system startup
```

- ```
-->1- Start the Agent Service Automatically at System Startup
 2- Do not Start the Agent Service Automatically at System Startup
```

```
ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1
```

```
=====
Number of WA Managers
=====
```

```
How many WA Managers will the Agent communicate with?
```

- ```
-->1- 1
    2- 2
    3- 3
    4- No Managers
```

```
ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1
```

```
=====
WA Manager 1 Setup
=====
```

```
WA Manager 1 ID - Enter the WA Manager name.
WA Manager 1 Address - Enter the IP address or DNS name for the WA Manager.
WA Manager 1 Manager Port - Enter the port the WA Manager listens on for
communication from WA Agents.
```

```
WA Manager 1 ID (Default: CENTRAL_MANAGER): RPROD_SCH
```

```
WA Manager 1 Address (Default: ): autosys1.calheers.net
```

```
WA Manager 1 Manager Port (Default: 7507):
```

- e. Leave all default and enter

```
=====
Strong Encryption Key for CA Workload Automation AE
=====

Data Encryption is available to safeguard data transmitted within your CA
Workload Automation AE instances.
Select the Key Type:

DEFAULT - Encrypt Data Using the Default Key
USER - Encrypt Data Using a User-specified Key

->1- DEFAULT
   2- USER

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT: 1

=====

FIPS 140-2 Compliance (optional)
=====

Select option 1 to enable FIPS 140-2 Compliance

    1- Enable FIPS 140-2 Compliance
->2- Disable FIPS 140-2 Compliance

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:

=====

SNMP Management Connector Option (optional)
=====

Select the "Enable Connector" to enable Agent to be controlled using SNMP

    1- Enable Connector
->2- Disable Connector

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:

=====

JMX Connector (optional)
=====

Select the "Enable Connector" to enable the JMX Connector.

    1- Enable Connector
->2- Disable Connector

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

- f. Leave all default and enter

```
=====
FTP Plug-in Option
-----

Select the "Enable FTP plug-in" to enable the FTP plug-in.

When the FTP plug-in is enabled, WA Agent can log into remote FTP servers,
download files from those servers, and upload files to those servers.

    1- Enable FTP plug-in
    ->2- Disable FTP plug-in

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

```
=====
SNMP Job Type Support Configuration
-----

Select the "Enable SNMP Job Type" option to enable SNMP Job Type Support

    1- Enable SNMP Job Type
    ->2- Disable SNMP Job Type

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

```
=====
SSA Socket (optional)
-----

Select the "Enable SSA Socket" option to enable Local SSA Socket.

    1- Enable SSA Socket
    ->2- Disable SSA Socket

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

```
=====
SSA Socket Configuration (Optional)
-----

Select the "Configure SSA Path" option to configure SSA Socket Support for
Agent.

    1- Configure SSA Path
    ->2- Do not configure SSA Path

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

g. Leave all default and enter

```
=====
Owner and Group Settings
=====

Specify owner and group accounts that will be assigned to the installed
files/directories.
Owner: Enter an owner account
Group: Enter a group account

Owner (Default: autosys):
Group (Default: autosys):

=====

Create Local Owner and Group accounts
=====

Select option 1 to create local owner and group accounts

->1- Create owner and group accounts
   2- Do not create owner and group accounts

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:

=====

Agent Start after Installation
=====

Select option 1 to start the agent after installation

->1- Start Agent after Installation
   2- Do not Start Agent after Installation

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

h. Pre-Installation summary, enter to continue

```
=====
Pre-Installation Summary
=====

Please Review the Following Before Continuing:

Product Name:
  CA WA Agent 11.4.01.00

Install Folder:
  /opt/CA/WA_Agent

Java VM Installation Folder:
  /opt/CA/WA_Agent/jre

Agent Name:
  WA_AGENT

Agent Port:
  7520

Disk Space Information (for Installation Target):
  Required:    407,058,459 Bytes
  Available:  83,677,532,160 Bytes

PRESS <ENTER> TO CONTINUE:

=====
Installing...
=====

[=====|=====|=====|=====]
[-----|-----|-----|-----]

=====

Please Wait
-----

=====

Please Wait
-----

=====

Please Wait
-----

=====

Please Wait
-----
```

```
Starting System Agent...
/

=====
Installation Complete
=====

Congratulations. CA WA Agent 11.4.01.00 has been successfully installed to:
/opt/CA/WA_Agent

PRESS <ENTER> TO EXIT THE INSTALLER:
```

Check if the agent is running by executing the command 'ps -eaf|grep -i agent'

```
[root@clprdlbat03 ~]# ps -eaf|grep -i agent
root      1381      1  0 Oct08 ?        00:07:30 /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent -config /opt/
cloudwatch-agent.pid
root      1382      1  0 Oct08 ?        00:01:05 /usr/bin/amazon-ssm-agent
root      1495      1  0 Oct08 ?        00:00:00 /opt/ds_agent/ds_agent -w /var/opt/ds_agent -b -i -e /opt/ds_agent/ext
root      1496    1495  0 Oct08 ?        00:08:40 /opt/ds_agent/ds_agent -w /var/opt/ds_agent -b -i -e /opt/ds_agent/ext
root      1950      1  0 Oct08 ?        00:00:00 /opt/ds_agent/ds_am -g ../diag -v 5 -d /var/opt/ds_agent/am -P 1 -R
root      1965    1950  2 Oct08 ?        00:25:49 /opt/ds_agent/ds_am -g ../diag -v 5 -d /var/opt/ds_agent/am -P 1 -R
root      2782      1  0 Oct08 ?        00:00:00 /opt/nessus_agent/sbin/nessus-service -q -D
1052217890 3326      1  0 Oct08 ?        00:00:06 /opt/oem_agent/agent_13.4.0.0/perl/bin/perl /opt/oem_agent/agent_13.4.0.
1052217890 3473 3326  0 Oct08 ?        00:03:11 /opt/oem_agent/agent_13.4.0.0/oracle_common/jdk/bin/java -Xmx140M -XX:Ma
-XX:-UseLargePages -XX:+UseLinuxPosixThreadCPUClocks -XX:+UseConcMarkSweepGC -XX:+CMSClassUnloadingEnabled -XX:+UseCompress
/ojdbc7.jar:/opt/oem_agent/agent_13.4.0.0/ucp/lib/ucp.jar:/opt/oem_agent/agent_13.4.0.0/oracle_common/modules/jsch-0.1
/agent_13.4.0.0/oracle_common/modules/oracle.xdk/xmlparserv2.jar:/opt/oem_agent/agent_13.4.0.0/oracle_common/modules/o
.4.0.0.0/oracle_common/modules/oracle.odl/ojdl2.jar:/opt/oem_agent/agent_13.4.0.0.0/lib/optic.jar:/opt/oem_agent/agent_13.
0.0.0/sysman/jlib/emagentSDK-intg.jar:/opt/oem_agent/agent_13.4.0.0.0/sysman/jlib/emagentSDK.jar oracle.sysman.gcagent.tmm
root      9044    8437  0 12:07 pts/0    00:00:00 grep -i agent
root      25416      1  0 11:19 ?        00:00:18 ./cybAgent.bin -a
```

5. Post Installation Steps:(Creation of Agent Machine in Autosys)

- Login to <http://scheduler1.calheers.net:8080/wcc/ui/Login.html> and navigate to Quick Edit and click on Create and select 'Real Machine'

The screenshot shows the CA Workload Automation AE Quick Edit interface. The 'Create Object' dialog is open, displaying a tree view of object types. Under the 'Machine' category, 'Real Machine' is selected, indicated by a green arrow. The background shows a list of machines with checkboxes for selection.

b. Enter details like below and 'commit'

Properties		Commit	Reset
Expand All Collapse All			
Name	Value		
Primary			
Name	clprdbat03.calheers.net		
Type	a - CA Workload Automation Agent		
Description			
Node name	clprdbat03.calheers.net		
Max load	0		
Factor	1.00		
CA Workload Automation Agent			
Agent name	WA_AGENT		
Port number	7520		
Character encoding	ASCII		
Heartbeat attempts	0		
Heartbeat frequency	0		
Operating system			
Encryption type	DEFAULT		
Agent security key			

c. To validate newly installed Agent communication, navigate to 'Enterprise Command Line' tab and execute 'autoping -M clprdbat03.calheers.net' command

The screenshot shows the 'Enterprise Command Line' tab in the CA Workload Automation AE interface. The 'My Commands' section on the left is empty. The main area displays the command execution details for 'autoping -M clprdbat03.calheers.net'. The 'Input' section shows the command and target servers. The 'Output' section shows the successful execution results.

Confirmation: "Execute" action attempted; view the Output section for the command results.

Information:

- Command executed: autoping -M clprdbat03.calheers.net
- Command execution date: Oct 9, 2021 3:37:06 PM

My Commands

Select	Name	Description
The command list is empty. Click "Edit" to add an item		

Global Commands

Select	Name	Description
The command list is empty. Click "Edit" to add an item		

Input

Enter a command and a list of one or more target servers. Separate each command argument by a space (" "). Do not enter interactive commands. When entering more than one server name, separate each server by a comma. The maximum number of servers that can be entered is 7.

Servers: PROD

Command: autoping -M clprdbat03.calheers.net

CA Workload Automation AE Import/Export

Export a Job or calendar object to a text file. Import Job or calendar definitions from a text file. Enter the name of a single server or click the icon to pick one from a list.

Type: ☒ Job ☐ Machine ☐ Resource ☐ Connection profile ☐ Calendar ☐ Standard ☐ Overwrite

Name:

File Name: Choose File No file chosen

Server:

Output

Last Command Execution Time: Oct 9, 2021 3:37:06 PM

☒ Use Fixed-Width Font

```
CAUA3H_I_50023 AutoPingIng Machine [clprdbat03.calheers.net]
CAUA3H_I_50025 AutoPing WAS SUCCESSFUL.
```