

24. AppD Agents installation

Install machine agent - process:

Raise access in IDM for the below one and get access to Artifactory: [*Artifactory AE - Workbench - General Access*]

General Access				
<input checked="" type="checkbox"/>	Product ▾ AE - Workbench - General Access	Service category ▾ General Access	Description This role provides you basic access to the Artifactory application	Request Request

Download the package from the below link:

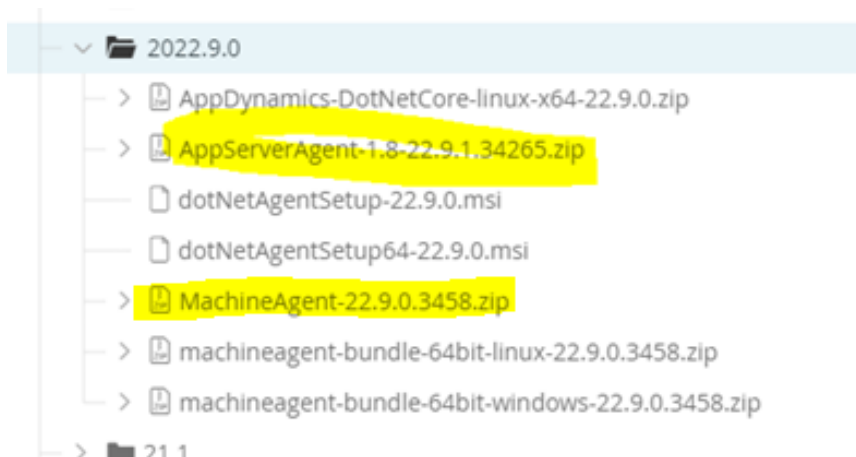
<https://artifactory.internal.cba/artifactory/webapp/#/artifacts/browse/tree/General/appdynamics>

Please refer to this confluence page

[Machine Agent Installation/Configuration](#)

The below is documented as per the installation of machine agent in NFT servers.

Download the AppD Machine-Agent has to be from:



The java home path has to be modified in .profile file in user home directory -

```
JAVA_HOME=/usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre/bin
PATH=/usr/bin:/etc:/usr/sbin:/usr/ucb:$HOME/bin:$JAVA_HOME:/usr/bin/X11:/sbin:
export PATH
```

Installation procedure:

Create a new directory <target folder>/machine-agent (you can append version or vary the name as required by deployment tools)

Unzip the machine agent zip under the machine-agent folder --OR-- if using the RPM installer run "sudo rpm -ivh <path/filename>.rpm" Note: rpm doesn't allow Relocatable option.

Make sure the directory has permissions for the user that agent will run as.

(Optional) You may need to import CBAInternalRootCA into /opt/appdynamics/machine-agent/jre/lib/security/cacerts key store.

See SSL Setup and <https://docs.appdynamics.com/display/PRO45/Enable+SSL+for+Standalone+Machine+Agent> SSL setup steps for details.

(Optional) If AppD CoE team has asked you to enable Server Visibility, set <sim-enabled> to "true" and follow Server Visibility Configuration to configure.

Edit /opt/appdynamics/machine-agent/conf/controller-info.xml, the below fields need to be updated. These can also be passed in an JAVA environment variables.

The controller-info.xml should be updated with below config sections: /usr/data/MachineAgent/conf/controller-info.xml

NFT

```
<controller-host>cba-test.saas.appdynamics.com</controller-host>
<controller-port>443</controller-port>
<controller-ssl-enabled>true</controller-ssl-enabled>
<account-name>cba-test</account-name>
<account-access-key>d17522f5-d960-4294-b0bc-ffad543b6981</account-access-key>
```

PROD

The server monitoring file has the modified in conf directory

/usr/data/MachineAgent_new_ver22.9.0.3458/extensions/ServerMonitoring/conf/ ServerMonitoring.yml

tags:

platformname: ['paymentstech_NFT']

for Prod: platformname: ['paymentstech_PRD']

```
a602:/usr/data/MachineAgent/extensions/ServerMonitoring/conf$pwd
a/MachineAgent/extensions/ServerMonitoring/conf
a602:/usr/data/MachineAgent/extensions/ServerMonitoring/conf$cat serverMonitoring.yml | grep platformname: ['paymentstech_NFT']
```

Configuring the machineAgent:

```
auggvbpb602:/usr/data/MachineAgent/bin$cat machine-agent
#!/bin/sh

JAVA_HOME="/usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre"
```

Starting the machineAgent:

navigate to "/usr/data/MachineAgent/bin"

run the machine agent as below:

nohup machine-agent &

nohup logs : startup logs for Machine-Agent


```
2023-05-18 14:34:35.038 Please see startup.log in the current working directory for details.
Using java executable at /usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre/bin/java
2023-05-18 14:41:36.122 Using Java Version [1.8.0_301] for Agent
2023-05-18 14:41:36.122 Using Agent Version [Machine Agent v22.9.0-3458 GA compatible with 4.4.1.0 Build Date 2022-09-28 07:21:43]
ERROR StatusLogger Reconfiguration failed: No configuration found for '87838b09' at 'null' in 'null' [ this is ignorable ]
2023-05-18 14:41:36.979 [INFO] Agent logging directory set to: [/usr/data/MachineAgent/logs]
2023-05-18 14:41:43.093 Machine Agent Install Directory :/usr/data/MachineAgent
2023-05-18 14:41:43.093 Machine Agent Temp Directory :/usr/data/MachineAgent/tmp
2023-05-18 14:41:43.093 Tasks Root Directory :/usr/data/MachineAgent/controlchannel
2023-05-18 14:41:43.093 Redirecting all logging statements to the configured logger
2023-05-18 14:41:43.093 Started AppDynamics Machine Agent Successfully.
```

:/usr/data/MachineAgent/logs







```
auggvbpb602==> [ExtensionStarter-AgentServer] 18 May 2023 14:42:13,757 INFO SystemAgent - Creating machine agent scheduler, pool
size: 2
auggvbpb602==> [ExtensionStarter-AgentServer] 18 May 2023 14:42:13,795 INFO SystemAgent - Creating machine agent monitor scheduler,
pool size: 4
auggvbpb602==> [ExtensionStarter-AgentServer] 18 May 2023 14:42:13,795 INFO SystemAgent - Started Agent Schedulers
auggvbpb602==> [ExtensionStarter-ServerMonitoring] 18 May 2023 14:42:15,033 INFO ServersExtensionModule - OS is AIX
auggvbpb602==> [ExtensionStarter-ServerMonitoring] 18 May 2023 14:42:15,720 INFO SystemAgent - Creating machine agent scheduler,
pool size: 2
auggvbpb602==> [ExtensionStarter-ServerMonitoring] 18 May 2023 14:42:15,720 INFO SystemAgent - Creating machine agent monitor
scheduler, pool size: 4
auggvbpb602==> [ExtensionStarter-ServerMonitoring] 18 May 2023 14:42:15,721 INFO SystemAgent - Started Agent Schedulers
auggvbpb602==> [extension-scheduler-pool-0] 18 May 2023 14:42:15,728 INFO ServersDataCollectorManager - There is change in
components collection configurations.
auggvbpb602==> [extension-scheduler-pool-0] 18 May 2023 14:42:15,730 INFO ServersDataCollectorManager - Starting data collectors.
auggvbpb602==> [ConfigExecutor-0] 18 May 2023 14:42:15,861 INFO AwsTagsScheduledRunner - Started AWS tags scheduled runner to poll
for tags
auggvbpb602==> [ConfigExecutor-0] 18 May 2023 14:42:15,862 INFO K8sTagsScheduledRunner - Started K8s tags scheduled runner to poll
for tags
auggvbpb602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,226 INFO SystemAgent - Creating machine agent scheduler,
pool size: 2
auggvbpb602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,226 INFO SystemAgent - Creating machine agent monitor
scheduler, pool size: 4
auggvbpb602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,227 INFO SystemAgent - Started Agent Schedulers
auggvbpb602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,248 INFO DockerMonitoringModule - Initializing Executor
```


Service for Docker Metric Collection, pool size: 3
auggvbpba602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,251 ERROR CGroupFileSystemRootProvider - Could not find CGroup files in following path(s) : [/sys/fs/cgroup, /cgroup]
auggvbpba602==> [ExtensionStarter-DockerMonitoring] 18 May 2023 14:42:16,254 INFO DockerMonitor - Docker monitoring is not supported on current OS: AIX. Running Machine Agent with Docker disabled
auggvbpba602==> [ConfigExecutor-0] 18 May 2023 14:42:16,295 INFO DockerMonitorConfigListener - Docker tags is collection is disabled.
auggvbpba602==> [ExtensionStarter-CrashGuard] 18 May 2023 14:42:16,334 INFO SystemAgent - Creating machine agent scheduler, pool size: 2
auggvbpba602==> [ExtensionStarter-CrashGuard] 18 May 2023 14:42:16,334 INFO SystemAgent - Creating machine agent monitor scheduler, pool size: 4
auggvbpba602==> [ExtensionStarter-CrashGuard] 18 May 2023 14:42:16,334 INFO SystemAgent - Started Agent Schedulers
auggvbpba602==> [ConfigExecutor-0] 18 May 2023 14:42:16,354 INFO CrashGuardRunner - Not starting crash guard extension because it is disabled.To enable, please update the configuration enabled in CrashGuardConfig.yml.
auggvbpba602==> [extension-scheduler-pool-1] 18 May 2023 14:42:17,649 INFO AwsTagsSupplier - Skip retrieving AWS tags. Server is either not on AWS or cannot connect to AWS services
auggvbpba602==> [extension-scheduler-pool-0] 18 May 2023 14:42:18,371 INFO ServersDataCollector - Started servers data collector - DataCollectorConfig(samplingInterval=30000, componentNames=[volumes, partitions, cpus, networks, monitor ed.process.classes, operating.system, availability, memory, load]).

Screens: verify the configuration




View



	Health	App Agent Status	App Agent Version	JVM Version	Ma
		 100%	Server Agent #20.3.0.29587 v20.3.0 GA c	IBM J9 VM 1.8.0_301 IBM Corporation	
		 100%	Server Agent #20.3.0.29587 v20.3.0 GA c	IBM J9 VM 1.8.0_301 IBM Corporation	



Filters





View Options

Health	Disk Usage (%)	CPU (%)	Memory (%)	Disk I/O (%)
	57	3.8	56	0
	50	13	54	0

Policies >

Configure Policies to send alerts, perform diagnostics, or execute scripts when Health Rules are violated, Anomalies are detected, or events such as server crashes occur.

 Policy S

 Intro to .

Health Rules >

Health Rules compare performance metrics against their baselines or other thresholds. When performance fails to satisfy Health Rules, Health Rule violation events are created. You can create Health Rules to alert you to problems whose logic is clear-cut, including violations of Service Level Agreements (SLAs).

Anomaly Detection >

Alert and Respond Overview

