

AppDynamics Database Agent Requirement and Installation

Database Agent Installation Requirement

The following depicts the hardware requirement for machine running Database Agent

- 1 GB of heap space and an additional 512 MB of heap space for each monitored database instance. For less busy databases, you may reduce the heap space to 256 MB per monitored database instance.
- 2 GHz or higher CPU.

Number of Database Instances Monitored	Heap Space Allocation
5	$(5 \times 512 \text{ MB}) + 1024 \text{ MB} = 3,584 \text{ MB}$
20	$(20 \times 512 \text{ MB}) + 1024 \text{ MB} = 11,264 \text{ MB}$
100	$(100 \times 512 \text{ MB}) + 1024 \text{ MB} = 52,224 \text{ MB}$

Note: AppDynamics Database Monitoring supports agentless monitoring

Database Agent Installation Requirement

Other database installation requirement include;

- Database agent requires Java 1.8 and above to run since it runs on java virtual machine.
- Windows and Linux operating system are supported
- Database agent must have connectivity in place to the monitored database instances
- AppDynamics Events service must be running

Database Agent Installation Requirement

To avoid permission issues, you should install the Database Agent as the same user who will run the agent, or as an administrator on the host machine. To run the Database Agent, you must have write privileges to the logging output directory and to the conf directory, which are located in the agent installation directory

Specific Database permission requirement shown below

<https://docs.appdynamics.com/display/PRO45/Configure+Oracle+Collectors>

<https://docs.appdynamics.com/display/PRO45/Configure+MySQL+Collectors>

<https://docs.appdynamics.com/display/PRO45/Configure+Microsoft+SQL+Server+Collectors>

<https://docs.appdynamics.com/display/PRO45/Add+Database+Collectors>

Database Agent Installation

Step 1. Download the database agent binaries from <http://download.appdynamics.com>

Step 2. Unzip the binaries and modify the controller-info.xml file to include the following

- Controller hostname
- Controller port
- Controller Access key

Step 3. Start the agent with the right user account

Windows	<code>start-dbagent.bat -Xms<min_heap_size> -Xmx<max_heap_size></code>
Linux	<code>./start-dbagent -Xms<min_heap_size> -Xmx<max_heap_size> &</code>

Database Agent Installation

Example Database Agent controller-info.xml File

```
<?xml version="1.0" encoding="UTF-8"?>
<controller-info>

  <controller-host>192.10.10.10</controller-host>
  <controller-port>8090</controller-port>
  <account-access-key>165e65645-95c1-40e3-9576-6a1424de9625</account-access-key>
  <!-- The following attribute enables or disables SSL communications between the agent and the
Controller.-->
  <controller-ssl-enabled>false</controller-ssl-enabled>

  <!-- The following account-related parameters are necessary only for SaaS installations-->
  <!--account-name></account-name-->

</controller-info>
```

Database Agent Installation Verification

Check the Database Agent Logs

After a successful install, your agent logs, located at <db_agent_home>/logs, should contain the following message:

Started AppDynamics Database Agent Successfully

You can also check for agent log process on windows or Linux

Create Database Collector

Database collector runs like a process and collects performance metrics

Create New Collector

Database Type

Oracle

Database Agent

Default Database Agent

Name

ProductionDatabase

Connection Details

Hostname or IP Address

10.10.3.4

Connect as sysdba

☐

Use Service Name

☒

SID or SERVICE_NAME

oracle_service

Listener Port

1521

Custom JDBC Connection String

Use LDAP

☐

Username

oracleuser

Password

.....

Logging Enabled

☐

> Advanced

Hardware Monitoring

Monitor Operating System

☐

Operating System

SSH Port

Enable CyberArk

☐

Username

Password

Cancel

OK

END