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AppDynamics

Installation Procedures

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Revision History

Version	Date	Author(s)	Changes
1.0	Oct 20, 2017	Name deleted (SME); Sachin K (Tech Writer)	First approved version.

Writing sample - do not distribute

1. Introduction

AppDynamics is a real-time application and performance monitoring tool. For additional documentation, go to <https://docs.appdynamics.com>.

1.1 System Requirements

The system requirements on the dedicated AppDynamics (AppD) server for the installation/upgrade are as shown in the table.

Component	Minimum (Current)	Recommended
CPU	4 Cores	8 Cores
Hard Disk Size (after installation)	10 GB	80 GB
RAM	32 GB	64 GB
Temporary Virtual RAM (Swap space)	2 GB	20 GB (based on 80 – 85 nodes)

Note: Each node is an independent installation of the agent on the application server that communicates with the main DB Agent on the dedicated server.

2. Upgrading AppDynamics Controller

Purpose: To upgrade AppDynamics Controller from the current to a newer version.

Frequency: ad hoc

Important!

Before you upgrade, you need:

- The newer version of the installation files (Controller and DBAgent). If not, get the files from Mobile Operations. Typically, the Mobile Operations team puts the files in a network folder and sends you the link to the folder. (link deleted)
- To take screenshots of customized configuration such as Health Rules, Business Transactions, Alerts, Dashboards, etc.

The steps to upgrade AppDynamics Controller from the current to the newer version are:

1. [Stop the application.](#)
2. [Back up the AppDynamics' installation directory.](#)
3. [Run the installation files.](#)
4. [Start the application.](#)

2.1 Stopping the Application

1. In Linux command line, log in as a root user.

```
sudo -iu root
```

2. Switch to AppDynamics user.

```
su - appdynamics
```

3. Complete the following substeps to stop the application:

- a. Stop the Controller.

- b. Find the Process ID (PID) for the DBAgent.

- c. Stop the DBAgent.

- d. Stop the Events Service.

4. Once the application stops, exit the command line.

```
exit
```

5. Go to [Backing up the Directory](#).

2.2 Backing up the Directory

1. In Linux command line, log in as a root user.

```
sudo -iu root
```

2. Check the disk space used by AppDynamics.

```
du -sh /opt/AppDynamics
```

3. Check the disk space available on the server.

```
df -hP
```

Note: If you don't have enough disk space, clean up the directories to create sufficient disk space.

4. Back up the entire AppDynamics' installation directory.

5. Go to [Running the Installation Files](#).

2.3 Running the Installation Files

1. From the Windows source, using drag-and-drop, copy the installation files into the target directory on the Linux server.

Windows source

link deleted

Target directory on the Linux AppD Server

deleted

2. In Linux command line, log in as a root user.

```
sudo -iu root
```

3. Switch to AppDynamics user.

```
su - appdynamics
```

4. Complete the following substeps to install the Controller:

- a. Launch the Controller.

```
(e.g., cd /opt/AppDynamics/controller_64bit_linux-4.3.3.2.sh)
```

- b. Once the installation starts, press **Enter** to select default settings until you reach the **AppDynamics Controller Sizing Guidelines**.

```
Small (Supports up to 10 nodes assigned to at most 4 applications) [2]
```

Medium (Supports up to 50 nodes assigned to at most 8 applications) [3]
Large (Supports up to 250 nodes assigned to at most 15 applications) [4]
Extra Large (Supports above 250 nodes assigned to at most 20 applications) [5]

- c. For **Controller Size**, select **3** (Medium) and press **Enter**.

Note: This may vary based on the hardware capacity and the number of nodes.

5. After the Controller is successfully installed, complete the following substeps to install the DBAgent:

- a. Unzip the DBAgent.

- b. Make a copy of the original **Controller Info XML** file.

- c. Launch the DBAgent.

6. After the installation, exit the command line.

exit

7. Go to [Starting the Application](#).

2.4 Starting the Application

1. In Linux command line, log in as a root user.

sudo -iu root

2. Complete the following substeps to start the application:

- a. Start the Controller.

su - appdynamics -c
/opt/AppDynamics/Controller/bin/startController.sh

- b. Start the DBAgent.

su - appdynamicsdb -c /opt/AppDynamics/DBAgent/start.sh

- c. Start the Events Service.

3. Once the application starts, exit the command line.

exit

Important! Any manual changes to the configuration files in the previous version must be reapplied. I.e., refer to the Configuration screenshots and reapply.

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