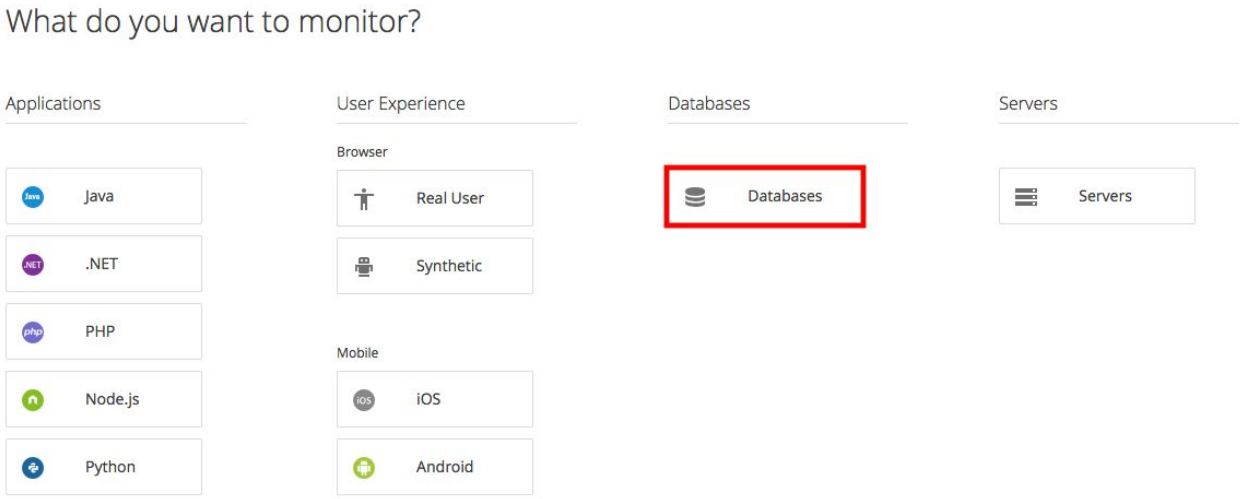
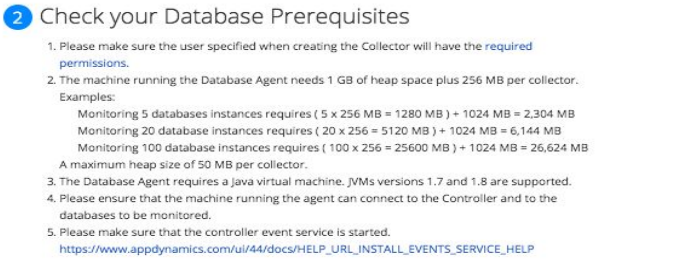
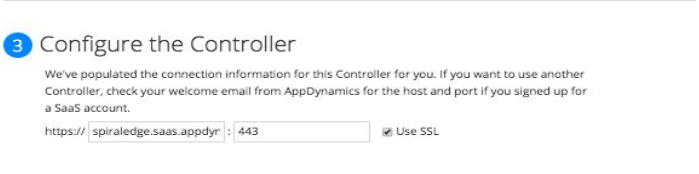
Oracle 10g or 12c Database Install - Linux

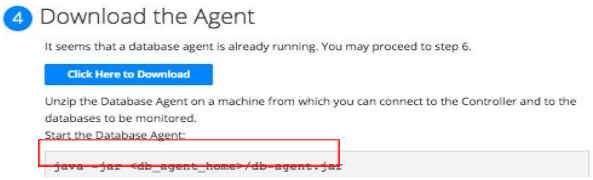
We will go over installation of the DB-Agent in AppDynamics with a Linux Server. In this example, we will connect to a Oracle DB.

1. Download database agent from your controller GUI in the "Getting Started" wizard









2. Transfer zip file to whatever server you want to run it on. Unzip anywhere, preferably something like */opt/AppDynamics/DatabaseAgent/*. For the purposes of this document, we can assume the path of the DB-agent going forward is */opt/AppDynamics/DatabaseAgent. unzip <dbagent.zip> -d /opt/AppDynamics/DatabaseAgent*

3. See if Java is installed by opening a command prompt and change directories to C:\Program Files (x86)\Java run the command "*java -version*". If it says the command "java" isn't recognized you'll need to install Java from java.com. If you don't want to install java, I can show you how to run a standalone JRE.
4. Grant User Permissions
    a. Oracle 10g Permissions
        i. To create a user with these permissions, you can run the following SQL. In this SQL, change "password" to a safe and secure password, and change the tablespace names, "users" and "temp" to those available in your Oracle instance.

```
CREATE USER DBMon_Agent_User IDENTIFIED BY password
default tablespace users
temporary tablespace temp;

GRANT CREATE SESSION, SELECT_CATALOG_ROLE TO DBMon_Agent_User;
```

    b. Oracle 12c Permissions
        i. To create a user with these permissions, you can run the following SQL. In this SQL, change "password" to a safe and secure password, and change the tablespace names, "users" and "temp" to those available in your Oracle instance.
        ii. Execute the following SQL:

```
CREATE USER C##DBMon_Agent_User IDENTIFIED BY password default tablespace users temporary tablespace temp CONTAINER=ALL;
GRANT CREATE SESSION, SELECT_CATALOG_ROLE TO C##DBMon_Agent_User CONTAINER=ALL;
ALTER USER C##DBMon_Agent_User QUOTA 100M ON USERS;
alter user C##DBMON_AGENT_USER set container_data=all container=current;
```

5. Start the DB Agent
    a. Run in Foreground

    You can start the DB agent in the foreground by running the linux script, start-dbagent. Run the command: *./start-dbagent*

    b. Run in Background

    You can run the DB agent in the background by following these instructions. Start by downloading the initialization script in the link above.

    Name the script *db-agent* and place the initialization script in /etc/init.d.
    Make these modifications below.

```
#!/bin/bash
#
# Init file for AppDynamics Database Agent
```

```
#
# chkconfig: 2345 60 25
# description: database agent for AppDynamics

#CHANGE ME: Set to the Java install directory
JAVA="/path/to/java_home" #run command which java and change the
quoted values to result of command above

#CHANGE ME: Set to the agent's install directory
#The default path will work if you placed the inflated zip file
in the directory below and used the path in the tutorial above.
If not, change the AGENT_HOME path.
AGENT_HOME="/opt/AppDynamics/DatabaseAgent"
AGENT="$AGENT_HOME/db-agent.jar"

#CHANGE ME: Set to a name that is unique to the Controller -
required when a machine agent is
#also running on the same hardware
#Comment the line below if there is no machine agent running on
the same VM as the db-agent
#AGENT_OPTIONS="appdynamics.agent.uniqueHostId='unique host ID'"

# Agent Options
AGENT_OPTIONS=""
#AGENT_OPTIONS="$AGENT_OPTIONS -Dappdynamics.agent.logging.dir="
#AGENT_OPTIONS="$AGENT_OPTIONS -Dmetric.http.listener=true |
false
#AGENT_OPTIONS="$AGENT_OPTIONS
-Dmetric.http.listener.port=<port>"
#AGENT_OPTIONS="$AGENT_OPTIONS -Dserver.name=<hostname>"


start()
{
nohup $JAVA $AGENT_OPTIONS -Xmx1536m -jar $AGENT > /dev/null 2>&1
&
}

stop()
{
ps -opid,cmd |egrep "[0-9]+ $JAVA.*db-agent" | awk '{print $1}' |
xargs --no-run-if-empty kill -9
}

case "$1" in
start)
start
;;

stop)
stop
;;
```

```
restart)
stop
start
;;
*)
echo "Usage: $0 start|stop|restart"
esac
```

6. Add Oracle 10g or 12c Database Collector
   Go into the AppD Controller -> Databases -> Configuration -> Collectors -> Add

7. Enter the IP address (or hostname) of the database host you want to monitor, user name <*DBMon_Agent_User*>, and user password. You don't need to enter anything into the other fields.