

Homework: Week 2

In the assignments for this week, we will:

- Access a Java Cloud Service Instance.
- Restart Database and Java Cloud Service Instances
- Stop a Java Cloud Service VM
- Start a Java Cloud Service VM
- Perform a Java Cloud Service Full Backup

Assignment 2-1: Access a Java cloud Service Instance

In this assignment, we will navigate to and login to our Java Cloud Service instance and restart the Database and Java Cloud Service instances.

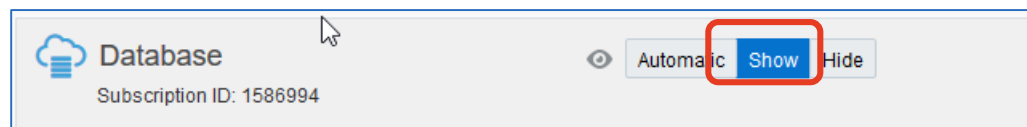
If you completed the last exercise in the homework for week 1 then both your Java Cloud Service instance and Java Database instances should be stopped. If you did NOT stop these instances then you can skip the following start instructions.

Connect to your Cloud Instance

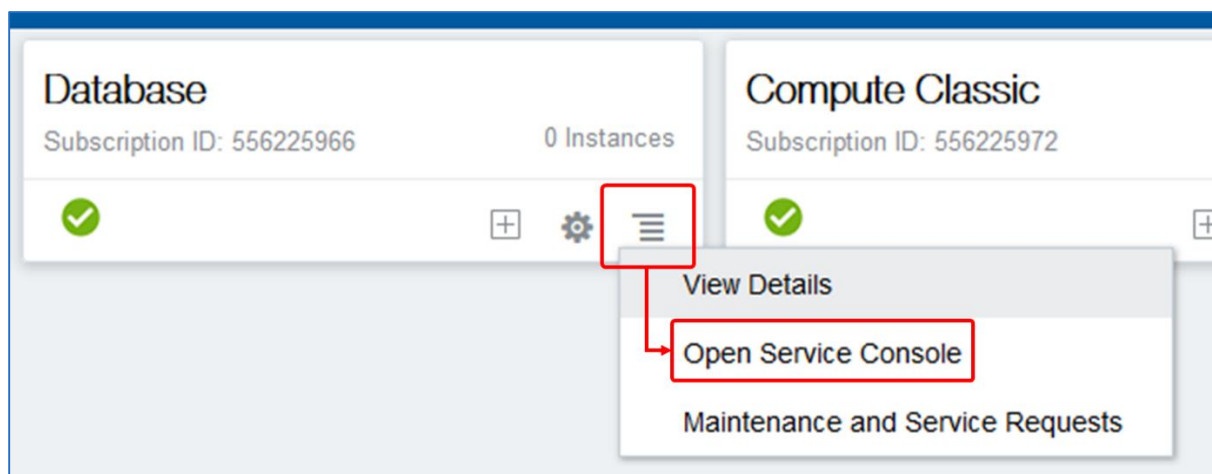
1. Enter the URL <https://cloud.oracle.com>
2. Continue as described in the prior practice.

Restart your Database Instance

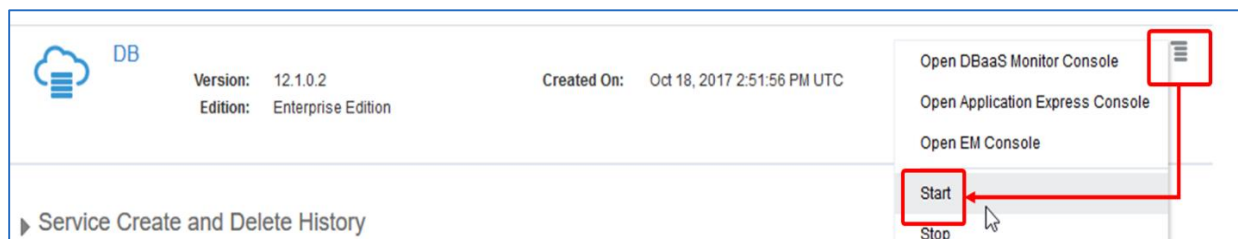
1. If required, use *Customize Dashboard* to display the database tile.
 - a) Click **Customize Dashboard**.
 - b) In the Data Management section, enable the database tile by clicking **Show**.



2. In the Dashboard, select the **Database** item menu and click **Open Server Console**.



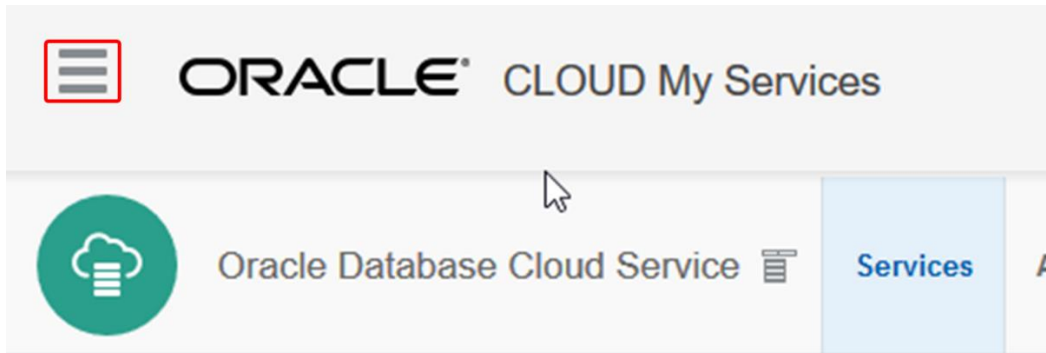
3. Select the row associated with the database instance, and using its menu choose **Start**.



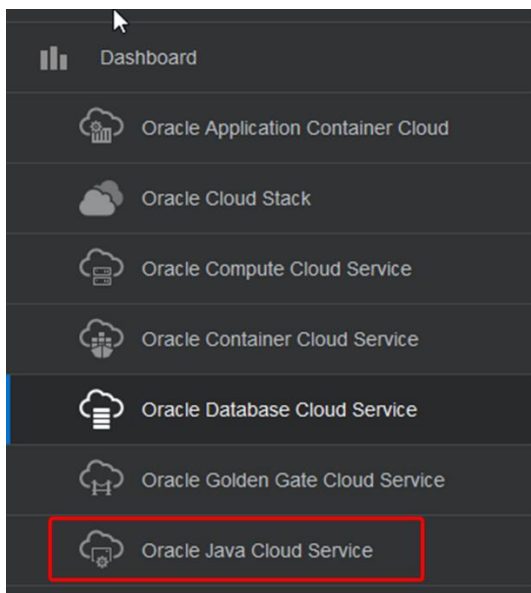
4. In the *Confirm* dialog, click **Ok**.
5. Wait while the Database starts.

Restart your Java Cloud Service Instance

6. Select the top-left Menu.



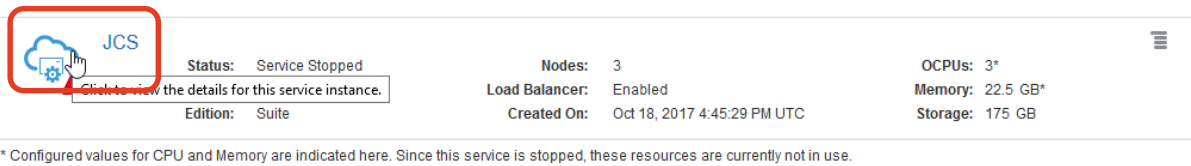
7. Click **Oracle Java Cloud Service**.



8. In the menu associated with your instance, click **Start**.
9. In the *Confirm* dialog, click **Ok**.

Open the Java Cloud Service Console for your instance

10. In the *Java Cloud Service Dashboard*, open your Java Cloud Service instance by clicking its name.



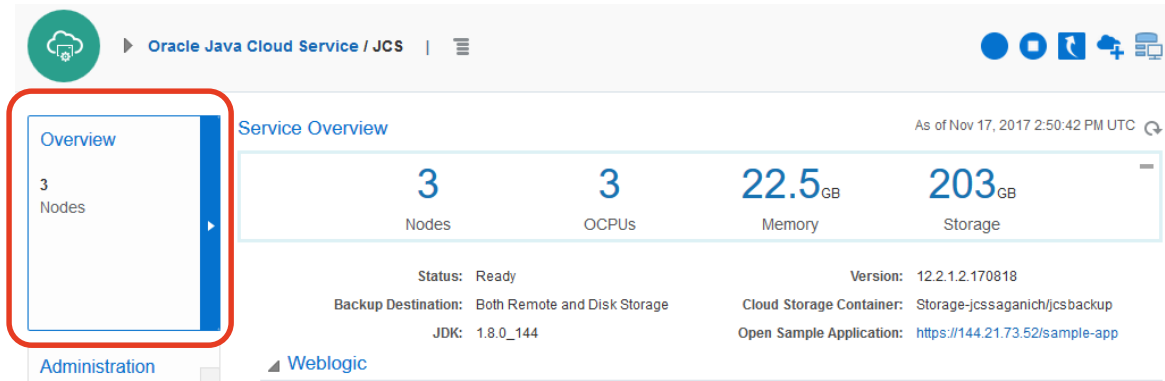
The Java Cloud Service Console for your specific instance will open.

Assignment 2-2: Stopping a Java Cloud Service VM

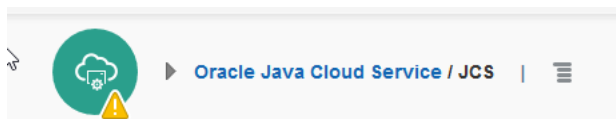
During this homework assignment you will stop and then restart a Java Cloud Service VM. Note that if you had previously stopped and restarted your database and Java Cloud Service instances you will need to confirm they are up and running.

Navigate to the Java Cloud Service instance specific console

1. From the dashboard, select the Java Service console, and then your Java Cloud Service instance by clicking its name. Alternatively use the Dashboard menu, the Oracle Java Cloud Services and open your Java Cloud Service instance.
2. If not already selected, select the **Overview** Tab,



3. Confirm that your Java Cloud Service instance is completely started by examining its main icon. If the information overlap is displayed (shown below). Use the refresh icon to refresh the display until the Start operation completes.

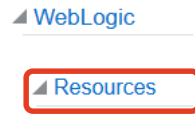


4. Scroll the display and expand the **WebLogic** Section.



Note: by default the WebLogic section should start expanded.

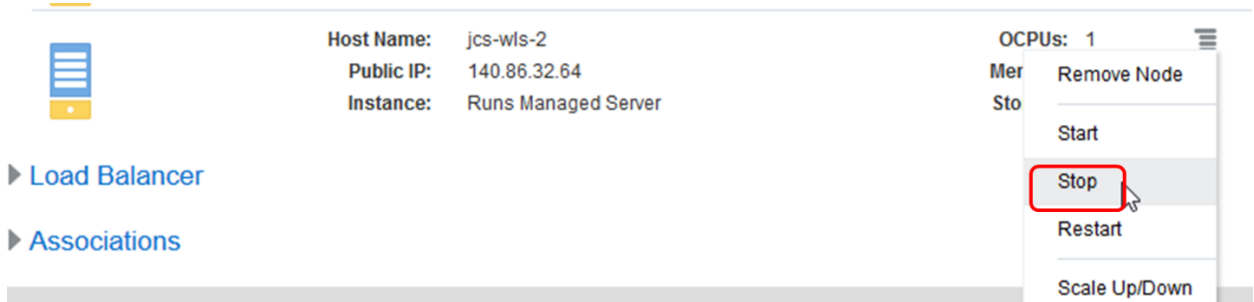
5. If required, expand the Resources subsection.



6. Examine the VMs displayed to determine the **NON-administration** VM. The first instance, is always the administration server.

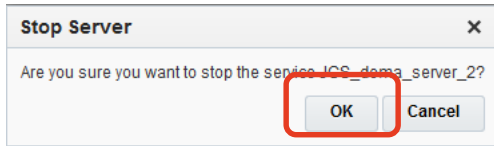
Resources			
	Host Name: jcs-wls-1	OCPUs: 1	
	Public IP: 144.21.74.107	Memory: 7.5 GB	
	Instance: Runs JCS_doma_server_1	Storage: 77 GB	
	Host Name: jcs-wls-2	OCPUs: 1	
	Public IP: 144.21.78.12	Memory: 7.5 GB	
	Instance: Runs JCS_doma_server_2	Storage: 57 GB	

7. From the right-hand side drop down menu, of the selected row, choose **Stop**.

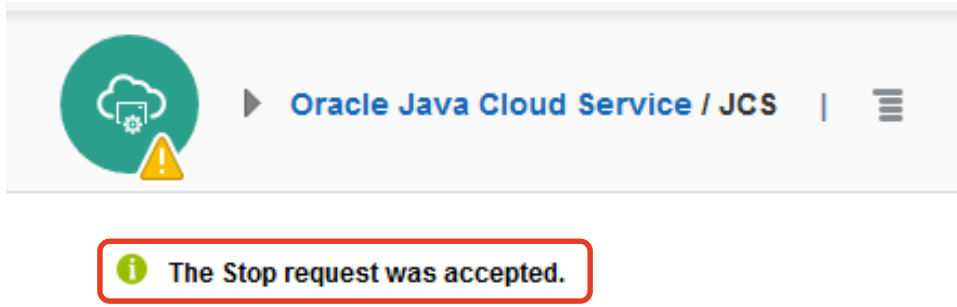


Note: Due to resource constraints with trial accounts, scaling is possible but may result in out of resources errors.

8. In the confirm dialog, click **OK**.



9. Notice that the Java Cloud Service instance will show a state change, and the selected instance will begin stopping.



10. Using the upper-right refresh icon, refresh the display until the instance shows stopped.



Note: When the stop operation has completed, a stop indicator

will be displayed. 

11. From the drop-down menu associated with the stopped VM, select **Start**.

12. In the confirmation dialog, click **OK**.

Note: The banner section should show the start operation has begun. Use the refresh button to refresh the display until the VM has restarted.

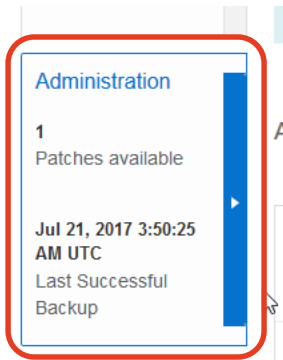
Congratulations, you have successfully restarted a Java Cloud Service VM!

Assignment 2-3: Performing a backup

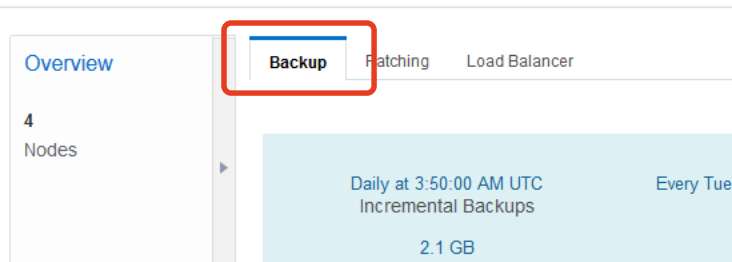
During this homework assignment you will perform an on-demand backup of a Java Cloud Service instance.

From the Java Cloud Service Console

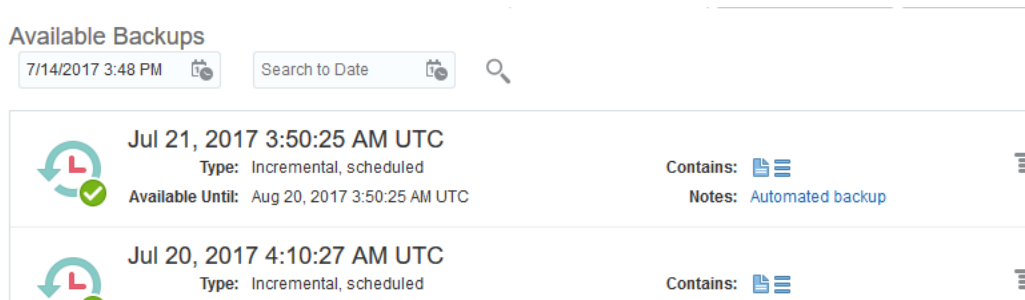
1. Select the **Administration** Tab,



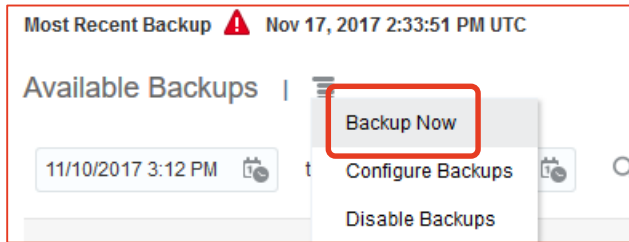
2. If required, select the *Backup* sub-tab.



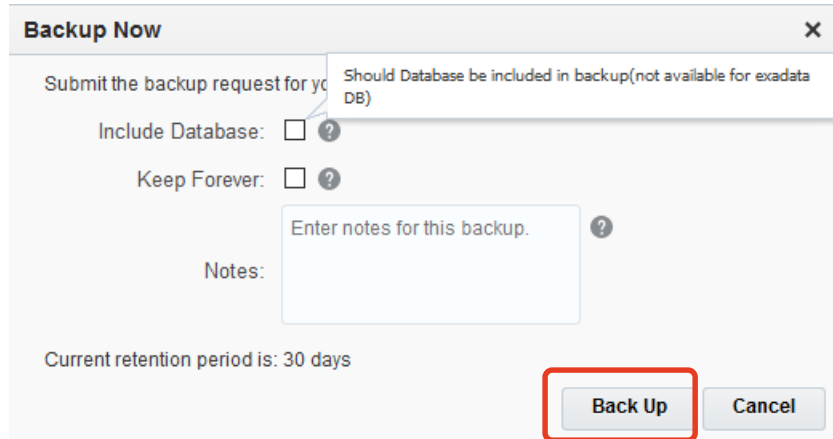
3. Examine the **Available Backups** list, have any incremental backups been done? Depending on how long your Java Cloud Service has been up, its possible at least one incremental backup has occurred.



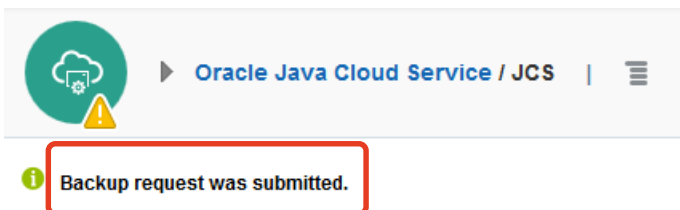
4. From the top-level menu, select **Backup Now**.



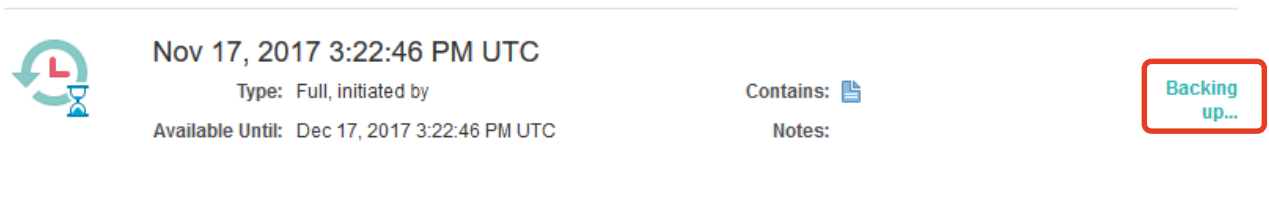
5. Click **Back Up**.



6. In the top banner, an alert will show that a backup request was submitted.



7. Using the refresh button, refresh the display until the backup is shown as complete.



Note: The backup operation can take between 5 and 10 minutes or longer.

Congratulations, you have successfully performed a full backup!

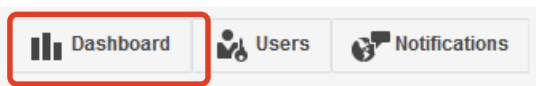
Assignment 2-4: Shutdown Java Cloud Service and Database Instances

Note: This exercise is optional. However, shutting down your Java Cloud Service and Database instances will conserve credits.

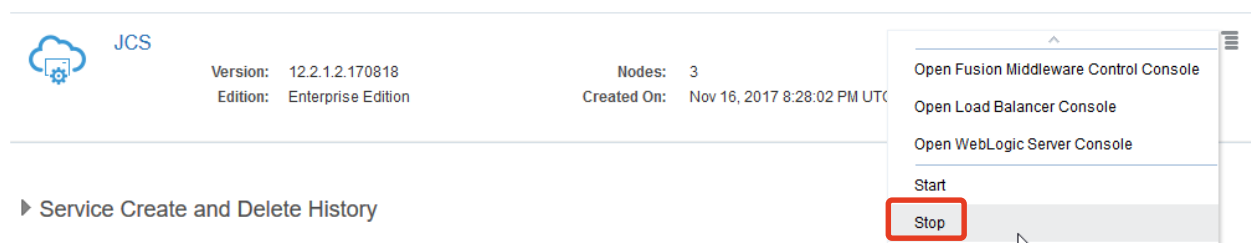
During this homework assignment you will shut down both your Java Cloud Service and Database instances.

Connect to your Cloud Instance

1. Using the quick access menu at the top-right, return to the Dashboard.



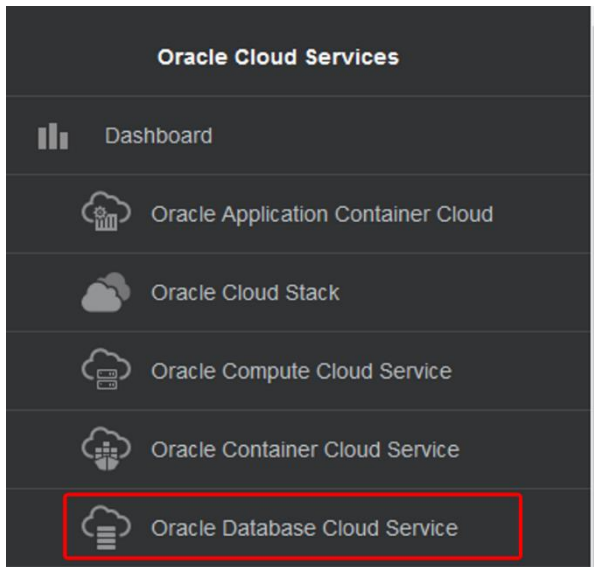
2. From the *Dashboard*, locate the **Java** tile, and from the drop-down menu select **Open Service Console**.
3. In the Java Cloud Service console, select the menu for the newly created **JCS** instance and select **Stop**.



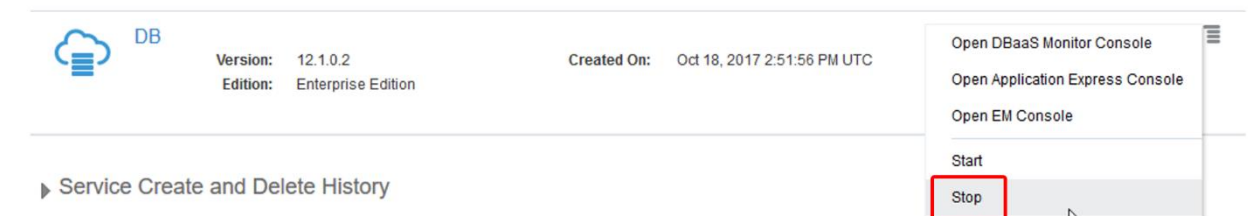
4. In the Stop instance dialog, click **Ok**.

5. Click the Dashboard menu ()

6. Select **Oracle Database Cloud Service**.



7. Select the newly created database instance. and from its instance menu select **Stop**.



Congratulations, you have stopped both your Java Cloud Service and Database instances.