# Solution Engineer Assisted Workshop Day

# Reference 4.1 – Scaling/Bursting ExaCC V1.1

ORACLE LAB BOOK | JANURARY 2019



### **Disclaimer**

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

#### **Table of Contents**

Disclaimer	•
Overview	2
Modify the Number of Enabled CPU Cores	2



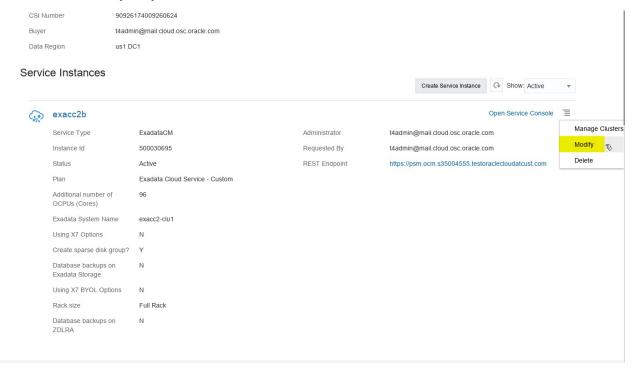
#### **Overview**

If a service instance requires more compute node processing power, you can scale up the number of enabled CPU cores in the Oracle Exadata Database Machine. You can either temporarily modify the compute node processing power (bursting) or add compute node processing power on a more permanent basis. The minimum and maximum number of enabled CPU cores depend on your system configuration.

## **Modify the Number of Enabled CPU Cores**

To modify the number of enabled CPU cores within an existing Exadata Cloud Service instance:

- 1. Open the My Services dashboard. For detailed instructions, see first exercise.
- 2. Choose Modify on your service instance



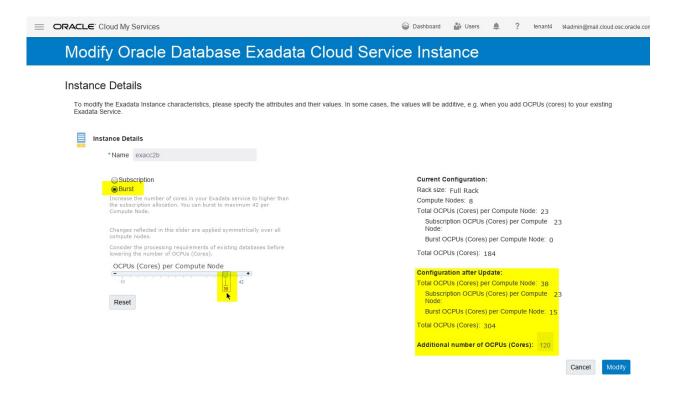
#### Note:

Modifying the number of enabled CPU cores is an online operation, which does not require a reboot of the affected compute nodes. However, if you have explicitly set the CPU\_COUNT initialization parameter, that setting is not affected by modifying the number of enabled CPU cores. Consequently, if you have enabled the Oracle Database instance caging feature, the database instance will not use additional CPU cores until you alter the CPU\_COUNT setting. If CPU\_COUNT is set to 0 (its default setting), then Oracle Database continuously monitors the number of CPUs reported by the operating system and uses the current count.



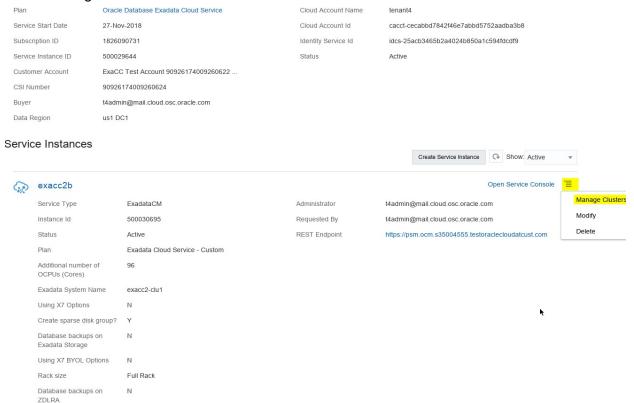
Make sure you choose Burst and not Subscription. Slide the CPU bar to change CPU allocation, note the changes in "Configuration after Update". **Hit Cancel when done**, **do not hit Modify unless given permission by your instructor or Lead as this may affect other activities.** If you are cleared to Modify, triple check you have **chosen Burst**.

NOTE: Please remember the select Bursting, as opposed to Subscription or it will take us one week to reset.

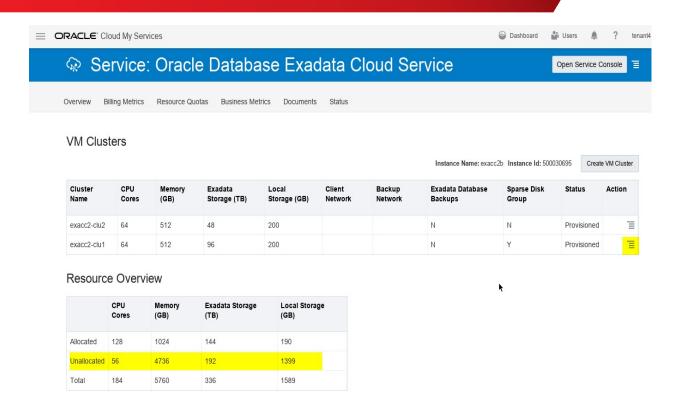




3. Return to the Services page as above and this time click on the action menu (hamburger icon) and choose Manage Cluster







Here you will see the details of the existing cluster(s). Note the Unallocated row. This is the amount of resources you have available to burst.

4. Choose the **Action** menu next to the cluster you wish to burst and select Modify
On the Modify VM Cluster pop-up, increase the number of CPU Cores. Hit cancel to end the lab
unless you have been authorized to actually do the increase by your instructor, in which case
you would and select Modify

Please Do NOT MODIFY unless explicitly told you can do so to avoid conflicts with other operations.

