Practices for Lesson 7: Manage the Life Cycle of an Oracle SOA Suite on Marketplace Instance

Overview

A node is a virtual machine (VM) running a Managed Server instance that is a part of a cluster. Scale an Oracle SOA Suite on Marketplace instance cluster out or in to add or remove nodes in response to changes in the load on the cluster.

In these practices, you will learn to perform lifecycle operations such as Scaling, Starting, and Stopping on your Oracle SOA Suite on Marketplace Instance.

Practice 7-1: Scale an Instance Up and Scale an Instance Cluster Out

Overview

In this practice, you will learn how to scale an instance up by changing the shape .You will also scale out the cluster by increasing the node count.

Tasks

- Open OCI console, from navigation menu, and click **Developer Services**. Under Resource Manager, click **Stacks**.
- 2. Click the name of your stack. (In our example, it is SOAOCI_02.)
- 3. On the Stack Details page, click Edit.



4. In the Edit Stack wizard, click Next to go to Configure Variables page.



Scaling out an Oracle SOA Suite on Marketplace instance cluster adds one node to the cluster. Change the Cluster Node count "2". Click Next.

- 6. Click Next to navigate to the Review page; then click Save Changes.
- 7. Follow the below steps to scale out the shape or cluster.
 - a. Go to the Stack Details page of the instance; click Plan.



b. In the Plan dialog box, accept the default name and click Plan.



 Allow sufficient time for the plan job to complete. Initially, the status of the job will be In Progress.



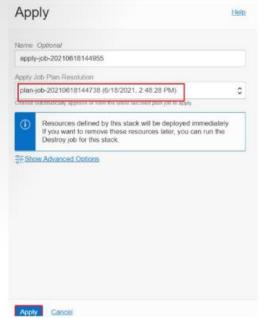
d. Go back to Stacks Details page; you can see Terraform Plan job with Succeeded state.



e. From Stacks page, click Apply.



f. In the Apply dialog box, choose the plan job that you have created and click Apply.



 g. Allow sufficient time for the apply job to complete. Initially, the status of the job will be In Progress.



h. Go back to Stack Details page; you can view the Apply job with Succeeded state.



- 8. Click the apply job name, and it displays the Job Details page.
- Under Resources in the left pane, click Logs to view the updated instance summary with the new node details.

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Service Consoles =

SOA Composer : https://129.159.68.243/soa/composer

828 Console : https://129.159.68.243/soa/composer

Service Bus Console : https://129.213.48.244/382/servicebus

Norklist Application : https://129.159.68.243/integration/worklistapp

Service Instance are isoa/CIII-isoa-0, instance.ocl.iad.anuwcljsjcisnjicd6qyySamtkrxstoxyzsvyforhlw6hqlsijsvoexiowaq, Instance name isoa/CIII-isoa-0, private IP : 129.213.48.244

) {

Instance Id : ocidl.instance.ocl.iad.anuwcljrjcisnjicqlgpy6rfh6nbeldvvgqdosvygSk5f6lw1ht27cdso6ru, Instance name :SOA/CIII-isoa-1, private IP : 18.8.3.117, pvblic IP : 159.13.68.9.148

}
```

Add Ingress Rule to access WebLogic Server Administration Console:

Add the following ingress rules in security list SOAOCI02-wis-security-list, which is under "SOAOCI02-wis-subnet" of your VCN. Detailed steps are listed in the practices for Lesson 3.

Rule1:

- a. SOURCE TYPE: Select CIDR.
- b. SOURCE CIDR: Enter 0.0.0.0/0.
- c. IP PROTOCOL: Select TCP.
- d. DESTINATION PORT RANGE: 7002.
- e. Description: To access WebLogic and Enterprise Manager.
- f. Click Add Ingress Rules.

View the Cluster Count in WebLogic Server Admin Console:

It displays the WebLogic Server Administration console home page.

2. Expand Environment under the Domain Structure and select Servers.



3. You can see that there are two Managed Servers as you have increased the node as "2".

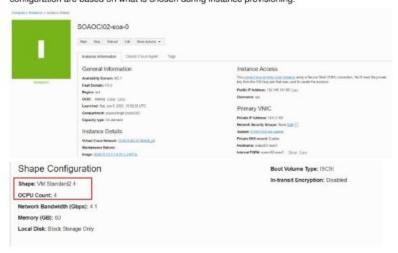


View the compute instance details:

- From the OCI console, open the navigation menu and click Compute → Instances.
- Select the compartment that is assigned to you, and you can see there are two instances (example: in our case it is SOAOCI02-soa-0, SOAOCI02-soa-1) since you have increased node count as 2.



- 3. Click "SOAOCI02-soa-0."
- It displays the Instance Information as shown below (information that you see may vary). Similarly, you can view the details of SOAOCl02-soa-1. The details of the shape configuration are based on what is chosen during instance provisioning.



You have now successfully scaled out your SOA instance.

Practice 7-2: Stop or Start an Oracle SOA Suite on Marketplace Instance

Overview

You can stop or start an Oracle SOA Suite on Marketplace instance, which automatically stops or starts the Administration Server and Managed Server running on the instance.

In this practice, you will learn how to stop or start an Oracle SOA Suite on Marketplace Instances.

Tasks

Stop an Oracle SOA Suite on Marketplace Instance:

Stopping an Oracle SOA Suite on Marketplace instance frees up compute resources used by the instance.

- 1. From the OCI console, open the navigation menu and click Compute → Instances.
- Select the compartment that is assigned to you, and you can see there are two instances (example: in our case it is SOAOCI02-soa-0, SOAOCI02-soa-1) since you have increased node count as 2.

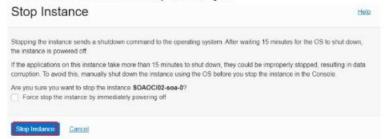


3. Click "SOAOCI02-soa-0."

4. On the Instance Details page, click Stop.



5. You will be asked to confirm. Click Stop Instance again.



6. The lifecycle status will be Stopping as shown below:



7. After the instance has stopped, the lifecycle status will be Stopped.



 You can start this stopped instance if you want to use it again. To start an Oracle SOA Suite on Marketplace Instance, on the Instance Details page, click Start.



9. The lifecycle status will be Starting as shown below:



 After the instance has started, the lifecycle status will be changed to Running. Similarly, you can stop and start the SOAOCl02-soa-1 instance.



This completes the Stop or Start operation of an Oracle SOA Suite on Marketplace Instance.