OCI: Automation of Start and Stop of Compute and DB Instances as per scheduled timelines using Tags.

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1. Document Information

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* 1. Version History

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* 1. Document Scope

OCI: Automation of Start and Stop of Compute and DB Instances as per scheduled timelines using Tags. This script will power on and power off the OCI instances and DB instances.

1. Work Instructions

**Steps:**

1. Login to Master Server.
2. Copy the script solution (OCI-PowerOn\_PowerOff) folder into a dedicated directory on master server.
3. Within the same directory search for ***install.sh***
4. Execute the **“*bash install.sh”*** script via Bash – this will update the crontab job like this:

* **58 \* \* \* \* python3 /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Auto\_PowerOn\_PowerOff\_Script.py -a Down -ip**
* **01 \* \* \* \* python3 /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Auto\_PowerOn\_PowerOff\_Script.py -a Up -ip**

1. The ***Install.sh*** script will configure the time zone to European Central Time (CET). If you want to operate in a difference time zone, run the command: Example - ***sudo timedatectl set-timezone Europe/Amsterdam***
2. For the first time: Run the following command from the OCI-PowerOn\_PowerOff directory – Command: ***python3 CreateNameSpaces.py -ip***
3. By executing the above script from the master server, it will create the namespaces on the OCI environment, which is then used for tagging the slave nodes.
4. The instance is now all setup and will run 2 minutes before the hour all scaling down/power down operations and 1 minute after the hour scaling up/power on operations.

*If you want to log the crontab jobs, the crontab job needs to be edited like this:*

**58 \* \* \* \* python3 /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Auto\_PowerOn\_PowerOff\_Script.py -a Down -ip >> /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Cronjob\_PowerOff.txt 2>&1**

**01 \* \* \* \* python3 /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Auto\_PowerOn\_PowerOff\_Script.py -a Up -ip >> /home/opc/OCI-Auto\_PowerOn\_PowerOff\_Solution/Cronjob\_PowerOn.txt 2>&1**