**KENT OCI Express Utilities Documentation**

**Version V2.1**

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# Program Oci-AddBackupPolicy.py

**Synopsis:**

This utility will add the specified backup policy within the specified compartment in the specified region.

CAUTION: This utility requires that the tenancy have a recovery region for backup replication. Backup replication is required to protect applications and data from potential data loss within a region.

CAUTION: Replicated backups are always full copies even when incremental backups are replicated. This is an OCI limitation.

CAUTION: Schedules must still be added to this backup policy. See Oci-AddBackupPolicySchedule.py.

**WARNING!** VM volumes must still be added to backup policies to ensure data and applications are protected from potential data loss.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Policy Name | string | YES | The descriptive name of this backup policy. |
| REGION | string in quotes | YES | The region where the resources are located within. |
| DESTINATION REGION | string in quotes | YES | The destination region that backup copies will be replicated to. |

**Example:**

Oci-AddBackupPolicy.py acad\_comp edu\_comp edu\_bkp “us-ashburn-1” “us-phoenix-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment Name | string | The compartment where the backup policy was created within. |
| Backup Policy Name | string | The name of this backup policy. |
| Region | string | The source region of backups that will be assigned to this backup policy. |
| Destination Region | string | The destination region where backups will be replicated to. |
| Policy ID | string | The OCID of this backup policy. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/schedulingvolumebackups.htm>

# Program Oci-AddBackupPolicySchedule.py

**Synopsis:**

This utility will add schedules to the specified backup policy within the specified region. Please refer to the “See Also” section of this document and become familiar with OCI backup policies before adding schedules.

CAUTION: All time for backup schedules are in regional data center time where the vm instances are located at. Adjust accordingly if your local timezone differs from regional data center time.

**WARNING!** VM volumes must still be added to backup policies to ensure data and applications are protected from potential data loss.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Policy Name | string | YES | The descriptive name of this backup policy. |
| Backup Type | string | YES | Must be FULL or INCREMENTAL |
| Day of Week | string | YES | The day of the week the backup will run. This will be ignored for incremental backups but is still a required parameter. |
| Month of Year | string | YES | The month that the backup will run. Ignored unless a monthly backup but still a required parameter. |
| Start Hour | integer | YES | The start time between 0 and 23 when the backup will run. |
| Frequency | string | YES | May be DAILY, WEEKLY, MONTHLY, YEARLY |
| Retention | integer | YES | Number of days to retain backup set |
| Region | string | YES | The region where the backup policy is stored |

**Examples:**

Oci-AddBackupPolicySchedule.py $parent edu\_comp edu\_bkp FULL SATURDAY FEBRUARY 5 monthly 730

“us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The compartment the backup policy resides within. |
| destination\_region | string | The destination region where the backups will replicate to. |
| display\_name | string | The descriptive name of this backup policy. |
| id | string | The OCID of this backup policy. |
| schedules | list | A list of the schedules that exist for this backup policy. |
| time\_created | date | The timestamp in UTC time when the backup policy was created. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/schedulingvolumebackups.htm>

# Program Oci-AddChildCompartment.py

**Synopsis:**

This utility creates a child compartment within your OCI tenancy. The child compartment will be subordinate to the specified parent compartment.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to |
| Child Compartment | string | YES | The descriptive name of the child compartment |
| Compartment Description | string | YES |  |

**Example:**

Oci-AddChildCompartment.py admin\_comp auto\_comp “This is the computer science department compartment for academic labs”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the parent compartment this child compartment is subordinate to. |
| description | string | The descriptive name of the compartment. |
| id | string | OCID of the object. |
| lifecycle-state | string | Should always be ACTIVE. |
| name | string | The descriptive name of the compartment. |
| time\_created | date | The date stamp in UTC time when the compartment was created. |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Identity/Tasks/managingcompartments.htm>

# Program Oci-AddDbSystem.py

**Synopsis:**

This utility creates a virtual machine database system in OCI. It does not support bare metal VM nor Exadata database systems. It supports all configuration options for virtual machine databases in the VM.Standard2 class.

CAUTION: OCI virtual machine database systems can run up substantial cloud consumption costs. Be certain your department is sufficiently budgeted for the instance you plan on creating.

CAUTION: Be certain that you are familiar with Oracle’s licensing terms and conditions if you plan to select BYOL mode. It is your responsibility to select the correct license mode for your database system based on how your organization is licensed for the product.

**WARNING!** Violating Oracle’s licensing terms and conditions may have a serious impact on your organization. Be certain that you select the correct license mode and feature set based on the feature set you are using with the product. If you are out of compliance, you should immediately change your license mode using the OCI console or Oci-UpdateDbSystemLicenseModel.py.

RECOMMENDATION: We recommend that you place the parameter values into shell memory variables prior to executing this utility due to the high number of required input parameters.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment into which to create this DBaaS. |
| Virtual Cloud Network | string | YES | The virtual cloud network this DBaaS will be bound to. |
| Subnetwork | string | YES | The subnet that will provide an IP address to the DBaaS. |
| Availability Domain Number | integer | YES | Must be 1, 2, or 3. |
| Database Container Name | string | YES | The name of the DBaaS’s database container. This will set both the container and display name to the same value. |
| DB Name | string | YES | The name of the database instance. |
| PDB Name | string | YES | The private database name. |
| Workload | string | YES | The type of workload for this DBaaS. Use OLTP for transactional systems, or DSS for warehouse workloads. |
| Storage Type | string | YES | The type of storage to be built for the DBaaS. Most workloads should use ASM. Use LVM for quick database builds but only for development database instances with very low workloads. Use of LVM for production workloads or test databases with even moderate workloads is not recommended. |
| Service Node Name | string | YES | The descriptive name of the VM instance that will provide compute service to the DBaas. |
| Storage Size | string | YES | The initial storage aggregate size for this DBaaS. |
| Node Count | integer | YES | Always use 1 unless: Your DBaaS will be deployed with RAC and your organization is licensed for extreme performance edition. |
| SSH Public Key File | string | YES | The initial SSH key file that will be deployed onto this DBaaS. |
| Time Zone | string | YES | In international format, the timezone to configure to this DBaaS, such as America/New\_York. |
| Password for DB System | string in quotes | YES | The password to assign to this DBaaS. Your password selection must comply with Oracle 19C or later complexity requirements. |
| Database Edition | string | YES | Must be STANDARD\_EDITION, ENTERPRISE\_EDITION, ENTERPRISE\_EDITION\_HIGH\_PERFORMANCE, or ENTERPRISE\_EDITION\_EXTREME\_PERFORMANCE |
| Database Version | string in quotes | YES | Must correspond to the version of Oracle Database that your application requires. Choices will be constrained if LVM is selected for Storage Type. |
| Shape | string in quotes | YES | Must be a valid shape within the VM.Standard2 family of compute shapes. |
| License Model | string | YES | Must be LICENSE\_INCLUDED or BRING\_YOUR\_OWN\_LICENSE |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddDbSystem.py acad\_comp edu\_comp edu\_vcn edu\_sub 2 $dbcontainer $db\_name $pdb\_name $workload $s\_type $node\_name $s\_size $node\_count $ssh\_key\_file $t\_zone $passwd $edition $version $shape $license “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| availability\_domain | string | The name of the availability domain for this DBaaS. |
| compartment\_id | string | The compartment this DBaaS is a member of. |
| cpu\_core\_count | integer | The number of licensed OCPUs to the DBaaS. |
| data\_storage\_percentage | float | The percentage of storage allocated, will always be 80% at creation time of the DBaaS. |
| data\_storage\_size\_in\_gbs | integer | The amount of usable storage available to the DBaaS. |
| database\_edition | string | The edition for this DBaaS. |
| storage\_management | string | The storage type that was built for this DBaaS. |
| disk\_redundancy | string | Should always be HIGH. |
| display\_name | string | The descriptive name of this DBaaS. |
| domain | string | The OCI FQDN of this DBaaS. |
| fault\_domains | string | The OCI fault domain of this DBaaS. |
| hostname | string | The name of the DBaaS service node. |
| id | string | The OCID of this DBaaS. |
| license\_model | string | The license model deployed with this DBaaS. |
| lifecycle\_state | string | The lifecycle state of this DBaaS. Will initially be “PROVISIONING” during deployment, but will change to “AVAILABLE” after deployment has succeeded. |
| listener\_port | integer | Should always be 1521, but can be customized. |
| node\_count | integer | May be 1 or 2. |
| shape | string | The compute shape deployed to the service node of this DBaaS. |
| ssh\_public\_keys | string | The SSH public keys that have been deployed to this DBaaS. |
| subnet\_id | string | The OCID of the subnetwork the service node is deployed to. |
| time\_created | date | The timestamp in UTC when this DBaaS was created. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Database/Concepts/overview.htm>

<https://www.oracle.com/assets/databaselicensing-070584.pdf>

# Program Oci-AddDrgRemotePeeringConnection.py

**Synopsis:**

This utility will add a dynamic route remote peering connection (RPC) to a dynamic router gateway. RPCs are used to peer virtual cloud networks between OCI regions and OCI tenancies.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where the RPC exists. |
| DRG Name | string | YES | The name of the DRG to which this RPC will be applied. |
| Remote Peering Connection Name | string | YES | The descriptive name of this RPC. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddDrgRemotePeeringConnection.py acad\_comp edu\_comp edudr\_drg edudr\_drg\_rpc “us-phoenix-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment this RPC is a member of. |
| display\_name | string | The descriptive name of this RPC. |
| drg\_id | string | The OCID of the DRG this RPC is assigned to. |
| id | string | The OCID of this RPC. |
| is\_cross\_tenancy\_peering | boolean | True if peering between tenancies, otherwise False. |
| lifecycle\_state | string | Should always be AVAILABLE. |
| peer\_id | string | Null until peered. |
| peer\_region\_name | string | Null until peered. |
| peer\_tenancy\_id | string | Null until peered. |
| peering\_status | string | May be NEW, PEERED, or “REVOKED”. |
| time\_created | date | The timestamp in UTC when this RPC was created. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/remoteVCNpeering.htm>

# Program Oci-AddDynamicRouterGateway.py

**Synopsis:**

This utility creates a dynamic router gateway (DRG) in the specified compartment within the specified region. You must create a virtual cloud network prior to creating the DRG. OCI does not enforce this, but this utility does enforce it.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The name of the virtual cloud network. |
| Dynamic Router Gateway | string | YES | The name of the security list to apply the ruleset to. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddDynamicRouterGateway.py acad\_comp edu\_comp edu\_vcn edu\_drg

“us-phoenix-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment this DRG is a member of. |
| display\_name | string | The descriptive name of this DRG. |
| id | string | The OCID of this DRG. |
| lifecycle\_state | string | The lifecycle state of the DRG, which should always be AVAILABLE. |
| time\_created | date | The timestamp when this route table was created |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingDRGs.htm>

# Program Oci-AddExport.py

**Synopsis:**

This utility creates an export resource and assigns it to both the specified file system and mount target resources. CAUTION! The file system and the mount target must be in the same availability domain in order for this utility to successfully build the export resource.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| File System | string | YES | The name of the file system that the export resource will bind to. |
| Mount Target | string | YES | The name of the mount target that the export will bind to. |
| Path To Export | string in quotes | YES | The “root” path name of the export. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddExport.py acad\_comp edu\_comp edufsp01 edufsp01\_mt “/files"

“us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment this export is a member of. |
| File System Name | string | The name of the file system this export is bound to. |
| Mount Target Name | string | The name of the mount target this export is bound to |
| Path | string | The root path that will be presented to NFS clients by this export. |
| Export ID | string | The OCID of this export. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/File/Tasks/managingmounttargets.htm>

# Program Oci-AddExportFsExportOption.py

**Synopsis:**

This utility creates an export options entry within the specified mount target.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Mount Target | string | YES | The name of the mount target that the export option will be applied to. |
| purge\_with\_addition | boolean | YES | True will purge all export options entries upon addition of this export options entry, False will append this export options entry to the existing list. |
| REGION | string in quotes | YES | The region where the resources are located within. |
| --source | string in quotes | YES | The source address of the NFS client that will access this NFS export. |
| --access | string | NO | The access mode to permit to this export options entry, may be READ\_ONLY or READ\_WRITE. |
| --identity-squash | string | NO | The type of identity access to permit to this export options entry, may be ROOT, ALL, or NONE. |
| --anonymous-uid | Integer | NO | The NFS user ID number to permit access to this export options entry. |
| --anonymous-gid | Integer | NO | The NFS group ID number to permit access to this export options entry. |

**Examples:**

Oci-AddExportFsExportOption.py acad\_comp edu\_comp edufsp01\_mt true   
 “us-ashburn-1” —source "0.0.0.0/0"

Oci-AddExportFsExportOption.py acad\_comp edu\_comp edufsp01\_mt false

“us-ashburn-1” —source "10.0.0.0/8" --access READ\_ONLY

Oci-AddExportFsExportOption.py acad\_comp edu\_comp edufsp01\_mt false

“us-ashburn-1” --source "172.16.0.0/24" --access READ\_WRITE

--identity-squash root

**Return Values:**

The export options are returned for each export options entry with the values described above.

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/File/Tasks/exportoptions.htm>

# Program Oci-AddFileSystem.py

**Synopsis:**

This utility creates a file system object within the specified compartment and builds it within the specified region’s availability domain number. There are 3 availability domains per region. The utility does not require the availability domain OCID or name, but rather only requires the numeric representation of the availability domain (1, 2, or 3). See <https://docs.oracle.com/en-us/iaas/Content/General/Concepts/regions.htm> for more information.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Availability Domain Number | number | YES | Must be 1, 2, or 3. |
| File System Name | string | YES | The descriptive name of this file system. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddFileSystem.py acad\_comp edu\_comp 3 edufsp01 “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment this DRG is a member of. |
| File System Name | string | The descriptive name of this file system. |
| File System ID | string | The OCID of this file system. |
| Availability Domain | string | The name of the availability domain where the file system has been created. |
| Status | string | The state of the file system, which should always be ACTIVE. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/File/Tasks/creatingfilesystems.htm>

# Program Oci-AddInternetGateway.py

**Synopsis:**

This utility creates an internet gateway (IGW) within the specified virtual cloud network in the specified region. CAUTION! It is not recommended to create an IGW in the same compartment that will host a dynamic router gateway (DRG) unless you have multiple subnets as well. An DRG and IGW cannot be referenced in the same route table. This is by OCI design for security reasons. It is notable that this limitation *is not* documented by Oracle. See <https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingroutetables.htm> for more information regarding OCI and route tables.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network this IGW will be a member of. |
| Route Gateway Name | string | YES | The descriptive name of this IGW. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddInternetGateway.py acad\_comp cmsci\_comp cmsci\_vcn cmsci\_igw “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment Name | string | The name of the compartment the IGW is a member of. |
| display\_name | string | The name of the IGW. |
| id | string | The OCID of this IGW. |
| lifecycle\_state | string | The lifecycle state of this NAT gateway, which should always be AVAILABLE. |
| nat\_ip | string | The public IP address the OCI service has assigned to the NAT Gateway. |
| is\_enabled | boolean | True means the IGW is enabled, False means the IGW is disabled. |
| time\_created | date | The timestamp in UTC when this IGW was created |
| vcn\_id | string | The OCID of the virtual cloud network this IGW is a member of. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingIGs.htm>

# Program Oci-AddLinuxVmsFromCsvFile.py

**Synopsis:**

This utility will create Linux virtual machine instances from the specified CSV input file. The CSV input file may contain the following delimiters: , ; |

A malformed CSV file will result in a RuntimeError returned by the utility.

The CSV file **MUST** have a header defined as the first row with the key values shown on the first column in the table below.

This utility **WILL NOT** create data volumes. To create data volumes, use the OCI console or the utility Oci-AddVolume.py.

This utility **WILL NOT** assign a public IP address to a newly launched VM instance. Use Oci-UpdateVmPubIp.py to assign a public IP address to the VM instance after the instance is created if your application use case requires this.

**CSV Format Values:**

| Key | CSV Index | Input Type | Description |
| --- | --- | --- | --- |
| hostname | 0 | string | This will be the descriptive name of the VM instance to create. |
| Virtual Cloud Network | 1 | string | The name of the virtual cloud network the VM instance will attach to. |
| Subnetwork | 2 | string | The name of the subnetwork the VM instance will get its IP address from. |
| AD Number | 3 | integer | May be 1, 2, or 3. This will be the availability domain where the VM instance shall reside. |
| SSH Keyfile | 4 | string | The fully qualified path to the SSK key file that the “opc user” will be configured for. |
| Assign Public IP Address | 5 | boolean | Use True to assign a public IP address to the VM instance, use False to NOT assign a public IP address to the VM. Setting this value to True would require the subnetwork to be configured to permit public IP addresses. |
| Private IP address | 6 | string | A unique and unassigned IP address for this VM instance that is in range of the subnetwork’s CIDR range of usable IP addresses. The IP address must not already be in use. |
| Image Name | 7 | string | The name of an OCI provided image, or the name of a custom image. |
| Image Compartment | 8 | string | The compartment where the custom image is stored. Enter the compartment name where the machine instance is being created if using OCI supplied images. |
| Bootvol in Size | 9 | integer | The size in GBytes of the boot volume. The minimum size of the volume is 50GB. The default performance value of “BALANCED” will be selected when the VM is created. |
| Shape | 10 | string | A valid VM instance shape for the type of image being deployed. Supported shapes are within the shape families VM.Standard2, VM.StandardE2, or VM.Standard.E3.Flex. |
| Memory in GB | 11 | integer | The amount of memory to be deployed with the shape. |
| Number of PROCs | 12 | integer | The number of OCPUs to assign to the VM instance. |

**Example:**

Oci-AddLinuxVmsFromCsvFile.py acad\_comp edu\_comp “us-ashburn-1” edu\_comp\_linux\_vm\_list.csv

**Return Values:**

The RESTFUL state of each VM instance created by this utility, returned in JSON format.

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Compute/Concepts/computeoverview.htm>

# Program Oci-AddLocalPeeringGateway.py

**Synopsis:**

This utility creates a local peering gateway within the specified virtual cloud network and region that you specify.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The name of this virtual cloud network. |
| Local Peering Gateway Name | string | YES | The descriptive name of this local peering gateway name |
| REGION | string | YES | The region where the virtual cloud network resides within |

**Example:**

Oci-AddLocalPeeringGateway.py acad\_comp edu\_comp edu\_vcn EduToComputerScienceLpg “us-ashburn-1”

**Return Values:**

Returns a message of success if the gateway is created or failure if it is not.

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/localVCNpeering.htm>

# Program Oci-AddMountTarget.py

**Synopsis:**

This utility creates a mount target. You must use the same availability domain as you plan on using for the file system resource. A failure to do so will result in errors when you attempt to create file system exports.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Availability Domain Number | number | YES | Must be 1, 2, or 3. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network this mount target will be a member of. |
| Subnet | string | YES | The name of the subnet the mount target will attach to. |
| Mount Target Name | string | YES | The descriptive name of this mount target. |
| Hostname | string | YES | The descriptive name of the host service node that will provide service to this mount target. |
| IP Address | string in quotes | YES | The IP address that is to be assigned to this mount target. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddMountTarget.py acad\_comp edu\_comp 3 edu\_vcn edu\_sub edufsp01\_mt edufsp01

"10.0.0.100" “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment Name | string | The name of the compartment the mount target is a member of |
| Mount Target Name | string | The descriptive name of this mount target. |
| Mount Target ID | string | The OCID of this mount target. |
| Availability Domain | string | The name of the availability domain where the mount target has been created. |
| Status | string | The state of the file system, which should always be ACTIVE. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/File/Tasks/managingmounttargets.htm>

# Program Oci-AddNatGateway.py

**Synopsis:**

This utility creates a NAT gateway within the specified virtual cloud network.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network this NAT Gateway will be a member of. |
| NAT Gateway Name | string | YES | The descriptive name of this NAT gateway. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddNatGateway.py acad\_comp edu\_comp edu\_vcn edu\_ngw “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment Name | string | The name of the compartment the NAT Gateway is a member of. |
| display\_name | string | The name of the NAT gateway. |
| id | string | The OCID of this NAT gateway. |
| lifecycle\_state | string | The lifecycle state of this NAT gateway, which should always be AVAILABLE. |
| nat\_ip | string | The public IP address the OCI service has assigned to the NAT Gateway. |
| public\_ip\_id | string | The OCID of the public IP address. |
| time\_created | date | The timestamp in UTC when this NAT gateway was created |
| vcn\_id | string | The OCID of the virtual cloud network this NAT gateway is a member of. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/NATgateway.htm>

# Program Oci-AddNetworkSecurityGroup.py

**Synopsis:**

This utility will create a network security group within the specified virtual cloud network.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where the RPC exists. |
| Network Security Group Name | string | YES | The descriptive name of this network security group. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddNetworkSecurityGroup.py acad\_comp edu\_comp edu\_vcn edu\_nsg “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment the security group resides within. |
| Virtual Cloud Network | string | The name of the virtual cloud network the network security group is a member of. |
| Network Security Group Name | string | The descriptive name of this network security group. |
| Lifecycle State | string | The lifecycle state of this resource, which should be AVAILABLE. |
| NSG ID | string | The OCID of this network security group. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/networksecuritygroups.htm>

# Program Oci-AddParentCompartment.py

**Synopsis:**

This utility creates a parent compartment within your OCI tenancy. The parent compartment will be subordinate to the root “tenancy” compartment.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that you are creating |
| Compartment Description | string | YES |  |

**Example:**

Oci-AddParentCompartment.py admin\_comp 'This is the parent admin compartment'

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the root tenancy compartment |
| description | string | The descriptive name of the compartment |
| id | string | OCID of the object |
| lifecycle-state | string | Should always be ACTIVE |
| name | string | The descriptive name of the compartment |
| time\_created | date | The date stamp in UTC time when the compartment was created |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Identity/Tasks/managingcompartments.htm>

# Program Oci-AddRouteRule.py

**Synopsis:**

This utility is used to add route rules to the specified route table.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Route Type | string | YES | Valid options include:  --ngw-type specify when adding a NAT to route rule.  --lpg-type specify when adding a LPG to route rule. |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified gateway in which to get the information |
| Virtual Cloud Network (VCN) | string | YES | The name of the VCN the route table resides in. |
| Route Table | string | YES | The name of the route table to add the rule to. |
| Gateway Name | string | YES | The name of the gateway being added to the route table. |
| Destination Type | string | YES | Type of destination address |
| Destination Address | string in quotes | YES | The destination address accounting to the destination type. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Description | string in quotes | YES | The description to be added to the route rule in the router table. |
| Optional Argument | string | NO | Valid options include:  --purge-then-add-route |

**Example:**

Oci-AddRouteRule.py --igw-type admin\_comp bas\_comp bas\_vcn bas\_rtb bas\_igw \

CIDR\_BLOCK “0.0.0.0/0” “us-ashburn-1” \

“Inbound traffic from internet to dmz\_vcn”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VM is located. |
| Route Table | string | The name of the route table. |
| Destination | string | The information of the route destination. |
| Destination Type | numeric | The type of destination information. |
| Region | string | The region where the route table is located. |
| Router Name | string | The name of the router |
| Router Type | string | The type of router |

# Program Oci-AddRouteTable.py

**Synopsis:**

This utility creates a route table within the specified compartment and region that you specify.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The name of the virtual cloud network that the route table will be a member of. |
| Route Table Name | string | YES | The descriptive name of this route table. |
| REGION | String in quotes | YES | The OCI data center region where this virtual cloud network will be created. The utility creates regional virtual cloud networks that span all availability domains within a region. |

**Example:**

Oci-AddRouteTable.py acad\_comp cmsci\_comp cmsci\_vcn cmsci\_rtb “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment where this route table was created. |
| display\_name | string | The descriptive name of this route table. |
| id | string | The OCID of this route table. |
| lifecycle\_state | string | The lifecycle state of this route table, which should always be AVAILABLE. |
| route\_rules | list | A list of route rules for this route table, which is empty upon initial creation. |
| time\_created | date | The timestamp when this route table was created |
| vcn\_id | string | The virtual cloud network the route table is a member of |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingroutetables.htm>

# Program Oci-AddSecurityList.py

**Synopsis:**

This utility creates a security list within the specified compartment and region that you specify.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The name of the virtual cloud network that the security list will be a member of. |
| Security List Name | string | YES | The descriptive name of this security list. |
| REGION | String in quotes | YES | The OCI data center region where this virtual cloud network will be created. The utility creates regional virtual cloud networks that span all availability domains within a region. |

**Example:**

Oci-AddSecurityList.py acad\_comp cmsci\_comp cmsci\_vcn cmsci\_sec “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment where this security list was created. |
| display\_name | string | The descriptive name of this security list. |
| id | string | The OCID of this security list. |
| lifecycle\_state | string | The lifecycle state of this security list, which should always be AVAILABLE. |
| route\_rules | list | A list of route rules for this security list, which is empty upon initial creation. |
| time\_created | date | The timestamp when this security list was created. |
| vcn\_id | string | The virtual cloud network the security list is a member of. |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/securitylists.htm>

# Program Oci-AddVirtualCloudNetwork.py

**Synopsis:**

This utility creates a virtual cloud network within the child compartment and region that you specify.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The descriptive name of this virtual cloud network. |
| DNS Label | string | YES | The DNS name for this virtual cloud network. DNS names must follow DNS naming conventions per <https://tools.ietf.org/html/rfc2929> |
| CIDR | string in quotes | YES | The classless inter-domain routing address of this virtual cloud network. Private IP addressing must be used per <https://tools.ietf.org/html/rfc1918> |
| REGION | String in quotes | YES | The OCI data center region where this virtual cloud network will be created. The utility creates regional virtual cloud networks that span all availability domains within a region. |

**Example:**

Oci-AddVirtualCloudNetwork.py acad\_comp cmsci\_comp cmsci\_vcn cmscivcn "192.168.0.0/20" "us-ashburn-1"

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| cidr\_block | string | The CIDR address of this virtual cloud network |
| compartment\_id | string | The OCID of the compartment this virtual cloud network is a member of |
| default\_dhcp\_options\_id | string | The OCID of the DHCP default options resource created with this virtual cloud network |
| default\_route\_table\_id | string | The OCID of the default route table created with this virtual cloud network |
| default\_security\_list\_id | string | The OCID of the security list created with this virtual cloud network |
| display\_name | string | The descriptive name of this virtual cloud network |
| dns\_label | string | The RFC compliant DNS name |
| id | string | The OCID of this virtual cloud network |
| lifecycle\_state | string | The lifecycle state of the resource. This should always be shown as AVAILABLE |
| time\_created | date | The timestamp in UTC when this resource was created |
| vcn\_domain\_name | string | The FQDN of the reosurce |

**More Information**

https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/quickstartnetworking.htm

# Program Oci-AddVirtualCloudSubNetwork.py

**Synopsis:**

This utility creates a virtual cloud subnetwork within the specified virtual cloud network and region that you specify.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| VCN Name | string | YES | The name of this virtual cloud network. |
| Subnet Name | string | YES | The descriptive name that will be given to this virtual cloud subnetwork |
| Subnet DNS Name | string | YES | The RFC compliant DNS name |
| Subnet CIDR | string | YES | The classless inter-domain routing address of this virtual cloud subnetwork. Private IP addressing must be used per <https://tools.ietf.org/html/rfc1918> |
| prohibit public IP address | boolean | YES | Use True if you wish to prevent deployment of public IP addresses to this subnetwork, or False if you wish to permit deployment of public IP addresses to this subnetwork. WARNING! This action cannot be changed after this subnetwork has been created. |
| Route table name | string | YES | The route table that this subnetwork will default to |
| Security List Name | string | YES | The security list that this subnetwork will default to |
| REGION | string | YES | The region where the virtual cloud network resides within |

**Example:**

Oci-AddVirtualCloudSubNetwork.py alpha1\_test cmsci\_comp cmsci\_vcn cmsci\_podsub cmscipodsub "192.168.1.0/24" false cmsci\_rtb cmsci\_sec “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| cidr\_block | string | The CIDR for this virtual cloud subnetwork |
| compartment\_id | string | The OCID of the compartment where this subnet exists |
| dhcp\_options\_id | string | The DHCP Options resource assigned to this subnetwork |
| display\_name | string | The descriptive name of this cloud subnetwork |
| dns\_label | string | The RFC compliant DNS name of this cloud subnetwork |
| id | string | The OCID of this virtual cloud subnetwork |
| lifecycle\_state | string | The lifecycle state of this virtual cloud subnetwork. This value should always be AVAILABLE |
| prohibit\_public\_ip\_on\_vnic | boolean | False if public IP addresses may be assigned, True if public IP address may not be assigned |
| route\_table\_id | string | The OCID that this cloud subnetwork will default to using |
| security\_list\_ids | list | A list of strings representing the security list OCIDs assigned to this cloud subnetwork. Note the codebase only supports one security list per subnetwork even though OCI can support multiple security list assignments. |
| subnet\_domain\_name | string | The FQDN DNS name of this resource |
| time\_created | date | The timestamp in UTC time when this resource was created |
| vcn\_id | string | The OCID of the virtual cloud network this subnet is a member of |
| virtual\_router\_ip | string | The IP address of the router interface supporting this subnetwork |
| virtual\_router\_mac | string | The MAC address of the router interface |

**More Information**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingVCNs.htm>

# Program Oci-AddVmToBackupPolicy.py

**Synopsis:**

This utility adds all block storage devices attached to a VM instance to a backup policy.

WARNING! This utility must be run again if volumes are added to a VM instance.

CAUTION: This utility will not remove a volume from a backup policy even if the VM instance is deleted. The OCI Console or OCI CLI must be used to remove a volume from a backup policy to stop backing up the volume. This may not be desirable since removing a volume from a backup policy means it will no longer be protected from data loss.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Backup Compartment | string | YES | The name of the child compartment where the backup policy exists. |
| Policy Name | string | YES | The descriptive name of this backup policy. |
| VM Compartment | string | YES | The compartment where the VM instance exists. |
| VM Name | string | YES | The name of the VM instance to be added to the backup policy. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddVmToBackupPolicy.py admin\_comp bak\_comp kentdmzt01\_backup bas\_comp kentdmzt01 'us-ashburn-1'

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment the VM resides in. |
| VM | string | The name of the VM instance assigned |
| Volume | string | The name of the volume instance added to the backup policy. |
| Policy | string | The name of the volume backup policy assigned |
| Region | string | The region where the resources are located within. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/schedulingvolumebackups.htm>

# Program Oci-AddVolume.py

**Synopsis:**

This utility will add a block volume into the specified compartment and availability domain. It will not attach the volume to a VM instance. To attach a volume to a VM instance, see Oci-AttachIscsiVolume.py or Oci-AttachParavirtualizedVolume.py.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Volume Name | string | YES | The descriptive name of this volume. |
| Availability Domain Number | integer | YES | Must be 1, 2, or 3. |
| Volume Size in GB | integer | YES | Must be at least 50. |
| Volume Performance Level | string | YES | Must be LOW, BALANCED, or HIGH |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AddVolume.py admin\_comp dbs\_comp kentrmanp01\_datavol\_0 2 2048 HIGH 'us-ashburn-1'

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment Name | string | The name of the compartment where the volume was created. |
| Volume Name | string | The descriptive name of this volume. |
| Availability Domain | string | The availability domain where the volume was created. |
| Size in GBS | integer | The size in GBytes of the volume. |
| Performance | string | The performance level of the volume. May be LOW, BALANCED, or HIGH |
| Volume ID | string | The OCID of the volume. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/overview.htm>

# \*Program Oci-AddWindowsVmsFromCsvFile.py

**Synopsis:**

This utility will create Windows virtual machine instances from the specified CSV input file. The CSV input file may contain the following delimiters: , ; |

A malformed CSV file will result in a RuntimeError returned by the utility.

The CSV file **MUST** have a header defined as the first row with the key values shown on the first column in the table below.

This utility **WILL NOT** create data volumes. To create data volumes, use the OCI console or the utility Oci-AddVolume.py.

This utility **WILL NOT** assign a public IP address to a newly launched VM instance. Use Oci-UpdateVmPubIp.py to assign a public IP address to the VM instance after the instance is created if your application use case requires this.

**CSV Format Values:**

| Key | CSV Index | Input Type | Description |
| --- | --- | --- | --- |
| hostname | 0 | string | This will be the descriptive name of the VM instance to create. |
| Virtual Cloud Network | 1 | string | The name of the virtual cloud network the VM instance will attach to. |
| Subnetwork | 2 | string | The name of the subnetwork the VM instance will get its IP address from. |
| AD Number | 3 | integer | May be 1, 2, or 3. This will be the availability domain where the VM instance shall reside. |
| Assign Public IP Address | 4 | boolean | Use True to assign a public IP address to the VM instance, use False to NOT assign a public IP address to the VM. Setting this value to True would require the subnetwork to be configured to permit public IP addresses. |
| Private IP address | 5 | string | A unique and unassigned IP address for this VM instance that is in range of the subnetwork’s CIDR range of usable IP addresses. The IP address must not already be in use. |
| Image Name | 6 | string | The name of an OCI provided image, or the name of a custom image. |
| Image Compartment | 7 | string | The compartment where the custom image is stored. Enter the compartment name where the machine instance is being created if using OCI supplied images. |
| Bootvol in Size | 8 | integer | The size in GBytes of the boot volume. The minimum size of the volume is 50GB. The default performance value of “BALANCED” will be selected when the VM is created. |
| Shape | 9 | string | A valid VM instance shape for the type of image being deployed. Supported shapes are within the shape families VM.Standard2, VM.StandardE2, or VM.Standard.E3.Flex. |
| Memory in GB | 10 | integer | The amount of memory to be deployed with the shape. |
| Number of PROCs | 11 | integer | The number of OCPUs to assign to the VM instance. |

**Example:**

Oci-AddWindowsVmsFromCsvFile.py acad\_comp edu\_comp “us-ashburn-1” edu\_comp\_windows\_vm\_list.csv

**Return Values:**

The RESTFUL state of each VM instance created by this utility, returned in JSON format.

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Compute/Concepts/computeoverview.htm>

# Program Oci-AttachIscsiVolume.py

**Synopsis:**

This utility will attach a volume to a VM instance in iSCSI mode. Use this attachment mode when high IO performance is required for access to storage by your applications. You should note that in most cases, attaching a volume in Paravitualized Mode will suffice. See Oci-AttachParavirtualizedVolume.py for more information.

CAUTION! The VM instance must be powered on and its OS running in order to attach the volume. You should be familiar with iSCSI commands for your operating system to successfully poll for and use the volume with the OS.

CAUTION! The volume must be deployed in the same availability domain that the VM instance is deployed within.

**WARNING!** Do not mix iSCSI and Paravirtualized volumes on the same VM instance.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Instance Name | string | YES | The name of the instance to attach this volume resource to. |
| Volume Name | string | YES | The descriptive name of this volume. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AttachIscsiVolume.py acad\_comp edu\_comp eduteachp03 eduteachp03\_datadisk\_0 “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| VM Name | string | The name of the VM instance. |
| Volume Name | string | The name of the volume. |
| Availability Domain | string | The availability domain where the resources are located in. |
| Attachment State | string | The lifecycle state of the attachment, should always be ATTACHED when the volume is attached to a VM instance. |
| Volume ID | string | The OCID of the volume |
|  |  |  |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/attachingavolume.htm>

# Program Oci-AttachParavirtualizedVolume.py

**Synopsis:**

This utility will attach a volume to a VM instance in Paravirtualized mode. Use this attachment mode when low to balanced performance is required for access to storage by your applications. You should note that in most cases, attaching a volume in Paravitualized Mode will suffice. See OOci-AttachIscsiVolume.py for more information about attaching an iSCSI volume for high IO performance to your application.

CAUTION! The VM instance must be powered on and its OS running in order to attach the volume. You should be familiar with commands for your operating system to successfully poll for and use the volume with the OS.

CAUTION! The volume must be deployed in the same availability domain that the VM instance is deployed within.

**WARNING!** Do not mix iSCSI and Paravirtualized volumes on the same VM instance.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment. |
| Instance Name | string | YES | The name of the instance to attach this volume resource to. |
| Volume Name | string | YES | The descriptive name of this volume. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-AttachVolume.py admin\_comp dbs\_comp kentrmanp01 kentrmanp01\_datavol\_0 'us-ashburn-1'

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| VM Name | string | The name of the VM instance. |
| Volume Name | string | The name of the volume. |
| Attachment Type | string | Will return “paravirtualizaed” |
| Volume ID | string | The OCID of the volume |
|  |  |  |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/attachingavolume.htm>

# Program Oci-CreateDrgAttachment.py

**Synopsis:**

This utility attaches a DRG to a virtual cloud network.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where the RPC exists. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network to attach this DRG to. |
| Dynamic Router Gateway Name | string | YES | The name of the DRG to attach to the virtual cloud network. |
| DRG Attachment Name | string | YES | The descriptive name of this DRG. |
| REGION | string in quotes | YES | The region where the resources are located within. |

**Example:**

Oci-CreateDrgAttachment.py acad\_comp edu\_comp edu\_vcn edu\_drg edu\_drg\_attachment

“us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment the security group resides within. |
| Virtual Cloud Network | string | The name of the virtual cloud network the network security group is a member of. |
| Dynamic Router Gateway | string | The name of the DRG. |
| DRG Attachment Name | string | The descriptive name of this DRG Attachment |
| Lifecycle State | string | The lifecycle state of this resource, which should be AVAILABLE. |
| DRG ID | string | The OCID of this DRG. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingDRGs.htm>

# Program Oci-CreateDrgRpcConnection.py

**Synopsis:**

This utility creates an RPC connection between two regions within the same tenancy. It cannot be used to create an RPC peering connection between different regions. Use the OCI console to create an RPC peering connection between different regions.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where the RPC exists. |
| DRG | string | YES | The name of the DRG that will initiate the RPC connection. |
| RPC | string | YES | The name of the RPC on the initiating side of the connection. |
| REGION | string in quotes | YES | The region of the RPC initiating the remote peering connection. |
| Peer Parent Compartment | string | YES | The name of the parent compartment that holds the remote RPC. |
| Peer Child Compartment | string | YES | The name of the remote child compartment that holds the remote RPC. |
| Peer DRG | string | YES | The name of the remote DRG. |
| Peer RPC | string | YES | The name of the remote RPC. |
| Peer Region | string in quotes | YES | The name of the remote RPC’s region. |

**Example:**

Oci-CreateDrgRpcConnection.py acad\_comp edu\_comp edu\_drg edu\_drg\_rpc “us-ashburn-1”

acad\_comp edu\_comp edudr\_drg edudr\_drg\_rpc “us-phoenix-1”

**Return Values:**

A message indicating success or failure to remove the DRG connection.

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/Network/Tasks/managingDRGs.htm>

# Program Oci-CreateKbCluster.py

**Synopsis:**

This utility creates a Kubernetes cluster service within the specified compartment and region.

CAUTION: Be certain to deploy the cluster with good-to-go code that is not too old. The cluster software changes with frequency. It is not uncommon for a cloud provider to release on defective cluster code.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where this Kubernetes cluster service will be deployed. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network the cluster will bind to. |
| Subnetwork | string | YES | The subnetwork that will assign an IP address to the cluster. |
| Cluster Name | string | YES | The descriptive name of this Kubernetes cluster. |
| Kubernetes Version | string in quotes | YES | The version of Kubernetes to push to the cluster service’s backplane. |
| REGION | string in quotes | YES | The region where these resources will be created. |

**Example:**

Oci-CreateKbCluster.py acad\_comp edu\_comp edu\_vcn edu\_sub edukbct01 "v1.17.9" “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The compartment where this Kubernetes cluster service was created within. |
| id | string | The OCID of this cluster creation work request. |
| action\_type | string | The resulted action of the create request, should be CREATED, but could also be FAILED, FAULTY, or TERMINATED. |
| status | string | The success or failure of the work request, may only be SUCCESS or FAILURE. |
| time\_accepted | date | The timestamp in UTC when the request was accepted for creation. |
| time\_finished | date | The timestamp in UTC when the request was completed. |
| time\_started | date | The timestamp in UTC when the request was started. |

**See Also**

<https://docs.oracle.com/en-us/iaas/Content/ContEng/Concepts/contengoverview.htm>

<https://github.com/kubernetes/kubernetes/releases>

# Program Oci-CreateLpgPeerConnection.py

**Synopsis:**

This utility establishes an LPG peering connection between virtual cloud networks within the same region.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Source Parent Compartment | string | YES | The compartment that holds the source LPG that will initiate the peering connection. |
| Source Child Compartment | string | YES | The child compartment that holds the actual source LPG resource. |
| Source Virtual Cloud Network | string | YES | The source network that the source LPG resource is attached to. |
| Source LPG Router | string | YES | The source LPR resource. |
| Target Parent Compartment | string | YES | The parent compartment of the target LPG resource. |
| Target Child Compartment | string | YES | The target child compartment that holds the target LPG resource. |
| Target Virtual Cloud Network | string | YES | The target virtual cloud network that the target LPG resource is bound to. |
| Target LPG Router | string | YES | The target LPG resource. |
| REGION | string in quotes | YES | The region where these resources will be created. |

**Example:**

Oci-CreateLpgPeerConnection.py acad\_comp cmsci\_comp cmsci\_vcn CompSciToEducationLpg acad\_comp

edu\_comp edu\_vcn EducationToCompSciLpg “us-ashburn-1”

**Returned Values:**

A message indicating success or failure in creating the LPG connection.

# Program Oci-CreateNodePool.py

**Synopsis:**

This utility creates a nodepool and attaches it to the specified Kubernetes cluster service.

CAUTION: A nodepool may be created up to the current running version of the cluster service. You should check the version stability of the version you choose to deploy at GitHub.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The parent compartment that holds the Kubernetes cluster service. |
| Child Compartment | string | YES | The child compartment where the cluster service is located at, which will also hold the nodepool. |
| Virtual Cloud Network | string | YES | The virtual cloud network that the cluster service and the nodepool bind to. |
| Subnetwork | string in quotes | YES | The subnet to assign to the nodepool. This must be a dedicated subnetwork used only for the nodepool. |
| Cluster Name | string | YES | The name of the cluster service. |
| Nodepool Name | string | YES | The descriptive name of this nodepool. |
| Kubernetes Version | string in quotes | YES | The version to deploy to this Kubernetes nodepool. |
| Shape | string | YES | The machine shape to deploy the VM instances on. |
| Boot Vol Size in GBS | integer | YES | The size in GBytes of each node’s boot volume. We recommend a starting size of 65GBytes for small clusters, |
| Nodes Per Subnet | integer | YES | The number of nodes per subnet. This may be 1,2, or 3, or multiples of 3 thereafter. |
| REGION | string in quotes | YES | The region where these resources will be created. |

**Example:**

Oci-CreateNodePool.py acad\_comp edu\_comp edu\_vcn edu\_podsub edukbct01 edukbct01\_np00

v1.16.15" "VM.Standard2.1" "Oracle-Linux-7.9-2020.11.10-1" 65 3 “us-ashburn-1”

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| compartment\_id | string | The OCID of the compartment where this nodepool was created. |
| id | string | The OCID of this nodepool. |
| resources | list | A list of the nodepool resources that were created. |
| status | string | SUCCEEDED on success, or FAILED on failure. |
| time\_accepted | date | The timestamp in UTC when the resource creation request was received. |
| time\_finished | date | The timestamp in UTC when the resource request was completed. |
| time\_started | date | The timespamp in UTC when the resource request was started. |

# Program Oci-CreateNodePool.py

**Synopsis:**

This utility creates volume replicas in the specified disaster recovery from the specified primary region for the specified virtual machine within the specified child compartment.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The name of the child compartment where the virtual machine is. |
| Virtual Machine | String | YES | The virtual machine to enable volume replication on. |
| REGION | string in quotes | YES | The region where the virtual machine was created in. |
| DR REGION | String in quotes | YES | The disaster recovery region where the volume replicas will be created. |

**Example:**

Oci-CreateVmVolumeReplicas.py admin\_comp auto\_comp kentanst01 ‘us-ashburn-1’ ‘us-phoenix-1’

**Returned Values:**

A message indicating success or failure in creating the volume replicas for the virtual machine.

# Program Oci-DeleteBackupPolicy.py

**Synopsis:**

This utility deletes the specified backup policy.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Policy Name | string | YES | The name of the backup policy name |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Destination Region | string in quotes | YES | The name of the region the backup policy is to be replicated to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Return Messages:**

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete backup policy TEST\_POLICY from compartment bak\_comp within region us-ashburn-1

YES

Backup policy TEST\_POLICY deleted from compartment bak\_comp.

# Program Oci-DeleteBackupPolicySchedule.py

**Synopsis:**

This utility deletes the specified backup policy schedule in the specified backup policy.

Oci-DeleteBackupPolicy.py admin\_comp bak\_comp kentdmzt01\_backup 'us-ashburn-1' --force

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Policy Name | string | YES | The name of the backup policy name |
| Backup Type | string | YES | The type of backup: “FULL” or “INCREMENTAL” |
| Backup Frequency | string | YES | The frequency of the backup: “DAILY” or “WEEKLY” “MONTHLY” “YEARLY” |
| Start Hour | numeric | YES | The hour the backup should start “0” to “23” |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Schedule Type | string | The type of backup: “FULL” or “INCREMENTAL” |
| Day of Month | interger | The numeric day of the month. |
| Day of Week | string | The name of the day of the week. |
| Start Time | interger | The hour the backup should start “0” to “23” |
| Month | string | The name of the month the backup occurs. |
| Frequency | string | The frequency of the backup: “DAILY” or “WEEKLY” “MONTHLY” “YEARLY” |
| Backup Retention in Days | interger | The numeric number of days to retain the backups. |

# Program Oci-DeleteBootVolume.py

**Synopsis:**

This utility deletes the boot volume from the specified compartment.

Oci-DeleteBackupPolicySchedule.py admin\_comp bak\_comp kentdmzt01\_backup FULL YEARLY 23 'us-ashburn-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Boot Volume Name | string | YES | The name of the boot volume to delete. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deletion of boot volume kentwft01 (Boot Volume) or press enter to abort.

Oci-DeleteBootVolume.py acad\_comp edu\_comp 'EDUTEACHT01 (Boot Volume)' 'us-ashburn-1' --force

YES

Deleting volume......

Boot volume deletion completed successfully.

COMPARTMENT BOOT VOLUME LIFECYCLE STATE REGION

------------- ----------------------- ----------------- ------------

dbs\_comp kentwft01 (Boot Volume) TERMINATED us-ashburn-1

# Program Oci-DeleteChildCompartment.py

**Synopsis:**

This utility deletes the specified child compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteChildCompartment.py admin\_comp auto\_comp --force

ARE YOU SURE THAT YOU WANT TO DO THIS?

Enter 'YES' to proceed to remove child compartment alpha1\_test, or any other key to exit

YES

Child compartment TEST\_COMPARTMENT remove request submitted.

# Program Oci-DeleteDbSystem.py

**Synopsis:**

This utility terminates the specified DB system.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| DB System Name | string | YES | The name of the database system to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

**Example:**

**Messages:**

Fetching and verifying tenant resource data. Please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

This program will delete the DB sytem TESTCDB from child compartment edu\_comp within region us-ashburn-1

There is no recovery from this operation once started.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Press any key to continue to the next prompt.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteDbSystem.py admin\_comp dbs\_comp KENTBNRCDB 'us-ashburn-1'

Delete request for DB System TESTCDB in compartment edu\_comp in region us-ashburn-1

You are about to destroy and delete this DB System. Make sure you have good backups if required and

that you are certain this is something that is is an approved action.

Enter PROCEED\_TO\_DELETE\_DB\_INSTANCE and press enter to confirm, or just press the enter key to abort.

PROCEED\_TO\_DELETE\_DB\_INSTANCE

Deleting of DB System TESTCDB has been started and cannot be reversed, please wait......

The DB System TESTCDB has been deleted from compartment edu\_comp within region us-ashburn-1.

# Program Oci-DeleteDrgAttachment.py

**Synopsis:**

This utility deletes the the specified attachment in the referenced DRG.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Virtual Cloud Network | string | YES | The name of the VCN where the DRG resides |
| Dynamic Router Gateway | string | YES | The name of the DRG where the attachment will be deleted |
| DRG Attachment Name | string | YES | The name of the attachment to delete in the DRG |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

**Example:**

**Messages:**

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteDrgAttachment.py admin\_comp vpn\_comp vpn0\_vcn vpn0\_drg vpn0\_drg\_attachment 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete DRG attachment drgtest\_drg\_attachment from virtual cloud network drgtest\_vcn

YES

Successfully disassociated dynamic router gateway drgtest\_drg from virtual cloud network drgtest\_vcn

# Program Oci-DeleteDrgRemotePeeringConnection.py

**Synopsis:**

This utility deletes the DRG remote peering connection.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Dynamic Router Gateway | string | YES | The name of the DRG where the RPC connection will be deleted. |
| Remote Peering Connection Name | string | YES | The name of the RPC to be deleted from the DRG. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteDrgRemotePeeringConnection.py admin\_comp vpn\_comp vpn\_drg vpn\_drg\_rpc 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deleting the remote peering connection drgtest\_drg\_primaryregion\_rpc from Dynamic router gateway drgtest\_drg

YES

Deleting the remote peering connection resource. This can take up to 5 minutes to complete......

Deletion of remote peering gateway drgtest\_drg\_primaryregion\_rpc from dynamic router gateway drgtest\_drg was successful.

# Program Oci-DeleteDynamicRouterGateway.py

**Synopsis:**

This utility updates the performance setting of the specified volume.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Virtual Cloud Network | string | YES | The name of the VCN where the DRG resides |
| Dynamic Router Gateway | string | YES | The name of the DRG where the RPC connection will be deleted. |
| Region | string in quotes | YES | The name of the region the DRG resides. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteDynamicRouterGateway.py admin\_comp vpn\_comp vpn0\_vcn vpn0\_drg 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to remove dynamic router gateway resource drgtest\_drg from virtual cloud network drgtest\_vcn

YES

Removal of dynamic router gateway resource drgtest\_drg successful from virtual cloud network drgtest\_vcn

# Program Oci-DeleteExport.py

**Synopsis:**

This utility deletes the export from the file system and mount target.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| File System | string | YES | The name of the file system associated with the mount target. |
| Mount Target | string | YES | The name of the mount target to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete the export associated with mount target exptestfst01\_mt and file system exptestfst01 , or any other key to abort

Oci-DeleteExport.py admin\_comp dbs\_comp KENTFST01 KENTFST01\_MT 'us-ashburn-1'

YES

Deleting export path from mount target exptestfst01\_mt and file system exptestfst01

Please wait......

Deletion of export from mount target exptestfst01\_mt and file system exptestfst01 completed successfully.

COMPARTMENT FILE SYSTEM NAME MOUNT TARGET NAME

------------- ------------------ -------------------

exptest\_comp exptestfst01 exptestfst01\_mt

EXPORT ID

---------------------------------------------------------------------

ocid1.export.oc1.iad.aaaaacvippxuhcpqnfqwillqojxwiotjmfsc2ylefuyqaaaa

# Program Oci-DeleteExportFsExportOption.py

**Synopsis:**

This utility deletes the export option from the export within the mount target.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Mount Target | string | YES | The name of the mount target to remove the export from. |
| Source | string | YES | The name of the source that is associated with the mount target. |
| Region | string in quotes | YES | The name of the region the mount target is associated with. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteExportFsOption.py admin\_comp dbs\_comp KENTFST01\_MT '172.16.0.57' 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete source 192.168.1.11/32 from the mount target exptestfst01\_mt export option entries, or any other key to abort

YES

Export option for source 192.168.1.11/32 successfully deleted from mount target exptestfst01\_mt export option entries.

# Program Oci-DeleteFileSystem.py

**Synopsis:**

This utility deletes the specified file system within the specified compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| File System Name | string | YES | The name of the file system to delete |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deletion of file system exptestfst01 from compartment exptest\_comp , or any other key to abort

Oci-DeleteFileSystem.py admin\_comp dbs\_comp KENTFST01 'us-ashburn-1'

YES

Deleting the file system, please wait......

File system deletion is completed, please review the results below:

COMPARTMENT FILE SYSTEM NAME

------------- -------------------

exptest\_comp exptestfst01

FILE SYSTEM ID AVAILABILITY DOMAIN -------------------------------------------------------------------------- --------------------- ocid1.mounttarget.oc1.iad.aaaaaa4np2s3ncupnfqwillqojxwiotjmfsc2ylefuyqaaaa clNq:US-ASHBURN-AD-3

STATUS

--------

DELETED

# Program Oci-DeleteInternetGateway.py

**Synopsis:**

This utility deletes the internet gateway resource from within the virtual cloud network.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Virtual Cloud Network | string | YES | The name of the VCN the IGW resides |
| Internet Gateway | string | YES | The name of the IGW |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteInternetGateway.py admin\_comp auto\_comp auto\_vcn auto\_igw 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to remove internet gateway exptest\_igw from virtual cloud network exptest\_vcn

YES

Internet gateway exptest\_igw successfully removed from virtual cloud network exptest\_vcn

# Program Oci-DeleteKbCluster.py

**Synopsis:**

This utility deletes the cluster from the specified compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Cluster Name | string | YES | The name of the docker cluster to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteKbCluster.py acad\_comp math\_comp MATHKBC01 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deleting cluster alphatstc01 or any other key to abort

YES

Cluster alphatstc01 delete request initiated from compartment kbc\_comp within region us-ashburn-1

This delete operation could take up to 20 minutes to complete.

# Program Oci-DeleteLocalPeeringGateway.py

**Synopsis:**

This utility deletes the local peering gateway.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Cloud Network | string | YES | The name of the vcn where the LPG resides |
| Local Peering Gateway | string | YES | The name of the LPG to be deleted |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteLocalPeeringGateway.py admin\_comp auto\_comp auto\_vcn auto\_to\_dbs\_lpg 'us-ashburn-1

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with removal of LPG DrgToExpLpg or any other key to abort

YES

Removal of LPG DrgToExpLpg from virtual cloud network drgtest\_vcn successful.

# Program Oci-DeleteMountTarget.py

**Synopsis:**

This utility deletes the specified mount target within the specified compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Mount Target Name | string | YES | The name of the mount target to delete |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deletion of mount target exptestfst01\_mt from compartment exptest\_comp within region us-ashburn-1, or any other key to abort

Oci-DeleteMountTarget.py admin\_comp dbs\_comp KENTFST01\_MT 'us-ashburn-1'

YES

Deleting mount target, please wait......

Mount target deletion is complete. Please inspect the results below:

COMPARTMENT MOUNT TARGET NAME

------------- -------------------

exptest\_comp exptestfst01\_mt

MOUNT TARGET ID STATUS

-------------------------------------------------------------------------- --------

ocid1.mounttarget.oc1.iad.aaaaaa4np2s3ncupnfqwillqojxwiotjmfsc2ylefuyqaaaa DELETED

# Program Oci-DeleteNatGateway.py

**Synopsis:**

This utility deletes the NAT gateway to the specified virtual cloud network.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Cloud Network | string | YES | The name of the vcn where the LPG resides |
| Local Peering Gateway | string | YES | The name of the LPG the NAT is in that to be deleted |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteNatGateway.py admin\_comp auto\_comp auto\_vcn auto\_ngw 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete NAT gateway drgtest\_ngw or any other key to abort

YES

Nat gateway drgtest\_ngw successfully deleted from virtual cloud network drgtest\_vcn

# Program Oci-DeleteNodePool.py

**Synopsis:**

This utility deletes the specified node pool from the specified cluster.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Cluster Name | string | YES | The name of the docker cluster. |
| Node Pool Name | string | YES | The name of the node pool in the specified cluster. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteNodePool.py acad\_comp math\_comp MATHKBC01 MATHKBC01\_NP01 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deletion of nodepool alphatstc01\_np00 from cluster alphatstc01 or any other key to abort

YES

Deletion of nodepool alphatstc01\_np00 from cluster alphatstc01 completed.

# Program Oci-DeleteParentCompartment.py

**Synopsis:**

This utility deletes the parent compartment object that is subordinate to the root tenancy compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteParentCompartment.py admin\_comp

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

ARE YOU SURE THAT YOU WANT TO DO THIS?

Enter 'YES' to proceed to remove parent compartment mytest\_comp, or any other key to exit

YES

Parent compartment mytest\_comp remove request submitted.

# \*Program Oci-DeleteRouteRule.py

**Synopsis:**

This utility deletes an LPG route rule from the specified route table.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Route Type | string | YES | Valid options include:  --ngw-type specify when adding a NAT to route rule.  --lpg-type specify when adding a LPG to route rule.  --igw-type specify when adding a IGW to route rule.  --drg-type specify when adding a DRG to route rule. |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Virtual Cloud Network | string | YES | The name of the VCN |
| Route Table | string | YES | The name of the route table the route rule resides. |
| Gateway Name | string | YES | The gateway name associated with the route table. |
| Destination Type | string | YES | The type of reference for the destination address. |
| Destination Address | string | YES | The destination address of the route rule to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

OciDeleteRouteTable.py --lpg-type admin\_comp auto\_comp auto\_vcn auto\_rtb auto\_to\_web\_lpg

CIDR\_BLOCK '10.1.6.0/23' ‘us-ashburn-1'

'This is the route to the production app tier virtual cloud network’

**Example:**

**Messages:**

Returns the data for the remaining items in the gateway in json format.

# Program Oci-DeleteRouteTable.py

**Synopsis:**

This utility updates the performance setting of the specified volume.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VCN Name | string | YES | The name of the VCN the router table resides. |
| Route Table Name | string | YES | The name of the router table to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteRouteTable admin\_comp web\_comp web\_vcn web\_rtb 'us-ashburn-1' --force

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete route table dmz\_rtb from virtual network edu\_vcn, or any other key to abort :

YES

Route table dmz\_rtb deleted from virtual cloud network edu\_vcn

# Program Oci-DeleteSecurityList.py

**Synopsis:**

This utility deletes the network security list to the specified virtual cloud network.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Network | string | YES | The name of the VCN. |
| Security List Name | string | YES | The name of the security list to be deleted. |
| Region | string in quotes | YES | The name of the region the security list is to be deleted. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteSecurityList.py admin\_comp auto\_comp auto\_vcn auto\_sec 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed with deleting network security rule edudmz\_nsg within virtual cloud network edu\_vcn

YES

Removal of network security group edudmz\_nsg successful.

# Program Oci-DeleteVirtualCloudNetwork.py

**Synopsis:**

This utility deletes the virtual cloud network within the specified child compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VCN Name | string | YES | The name of the VCN to be deleted. |
| Region | string in quotes | YES | The name of the region the VCN is to be deleted. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteVirtualNetwork.py admin\_comp auto\_comp auto\_vcn autovcn 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete virtual cloud network edu2\_vcn from child compartment edu\_comp, or any other key to abort :

YES

Virtual cloud network edu2\_vcn deleted from child compartment edu\_comp

# Program Oci-DeleteVirtualCloudSubNetwork.py

**Synopsis:**

This utility deletes virtual cloud subnetwork within the specified virtual cloud network.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VCN Name | string | YES | The name of the VCN the subnetwork resides. |
| Subnet Name | string | YES | The name of the subnet to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteVirtualCloudSubNetwork.py admin\_comp auto\_comp auto\_vcn auto\_sub01 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to delete virtual cloud subnetwork edu2\_sub from child compartment edu\_comp, or any other key to abort :

YES

Cloud subnetwork edu2\_sub deleted from child compartment edu\_comp

# Program Oci-DeleteVM.py

**Synopsis:**

This utility deletes the specified virtual machine within the specified compartment and region.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES | The name of the VM to be deleted. |
| Preserve Disks | boolean | YES | The option to preserve or delete the associated disks. “TRUE/FALSE” |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteVM.py admin\_comp tst\_comp DKCESMT01 True 'us-ashburn-1'

Enter YES to delete VM instance kentansp01 from compartment auto\_comp within region us-ashburn-1 or any other key to abort

YES

Delete request for VM kentansp01 submitted, please wait......

VM successfully deleted. Please inspect the results below.

VM NAME LIFECYCLE COMPARTMENT REGION

STATE

---------- ------------------------- ------------- ------------

kentansp01 TERMINATED or TERMINATING auto\_comp us-ashburn-1

This VM instance has no data disks to delete.

# Program Oci-DeleteVmFromBackupPolicy.py

**Synopsis:**

This utility updates the performance setting of the specified volume.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES |  |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Example:**

Oci-DeleteVmFromBackupPolicy.py admin\_comp bas\_comp kentdmzt01 'us-ashburn-1'

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to Delete backup the backup policy assignment to VM eduteachp01 or enter to abort.

YES

Any backup policy assignments for VM eduteachp01 in compartment edu\_comp within region us-ashburn-1 have been deleted.

This VM will no longer be backed up.

# Program Oci-DeleteVmFromNetworkSecurityGroup.py

**Synopsis:**

This utility deletes the VM's primary virtual network interface from the VM's primary VNIC.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Machine | string | YES | The name of the VM to be removed from the NSG |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

Deleting virtual machine instance kentanst02 from all network security groups......

Update successful, please inspect the results below.

+-------------------+--------------------+-----------------------------+

| VIRTUAL MACHINE | VNIC NAME | SECURITY GROUP ASSIGNMENT |

+===================+====================+=============================+

Oci-DeleteVmFromNetworkSecurityGroup.py admin\_comp tst\_comp kentesmt01 'us-ashburn-1'

| kentanst02 | kentanst02\_vnic\_00 | |

+-------------------+--------------------+-----------------------------+

+---------------------------------------------------------------------------------+

| VNIC ID |

+=================================================================================+

| ocid1.vnic.oc1.iad.abuwcljrcmpf7j6wyq2wljmjmooovgzimsxw35ev6ym4llqdcnf6kxk2bn6a |

+---------------------------------------------------------------------------------+

# Program Oci-DeleteVmVolumeReplicas.py

**Synopsis:**

This utility deletes the volume replicas that are associated with the specified virtual machine within the child compartment and region. The replicas in the disaster recovery region are removed and volume replication is disabled for the virtual machine.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES |  |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | --force |

**Example:**

Oci-DeleteVmVolumeReplicas.py admin\_comp auto\_comp kentanst01 ‘us-ashburn-1’

**Messages:**

Returns either success or failure to disable and delete the virtual machine’s volume replicas.

kentanst01 #\_ ./Oci-DeleteVmVolumeReplicas.py admin\_comp auto\_comp kentanst01 'us-ashburn-1'

Verion 2.1

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file LICENSE.TXT. This file is located in the codebase distribution within the

directory /usr/local/bin/KENT/bin

Validating the cloud tenancy and other resources are available.......

Tenancy and regions verified, fetching VM and storage resource data......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to disable the volume replications for VM kentanst01 or press enter to abort

YES

Disabling volume replication and deleting all volume replicas for

virtual machine kentanst01 in child compartment auto\_comp within region us-ashburn-1......

Volume replication disabled for virtual machine kentanst01.

kentanst01 #\_

# Program Oci-DeleteVolume.py

**Synopsis:**

This utility deletes the volume from the specified child compartment.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Volume Name | string | YES | The name of the volume to be deleted. |
| Region | string in quotes | YES | The name of the region the volume is to be deleted. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DeleteVolume.py admin\_comp dbs\_comp kentrmanp01\_datavol\_0 'us-ashburn-1'

Enter YES to proceed with deletion of volume TEST\_VOLUME from compartment bas\_comp or any other key to abort:

YES

Deleting volume TEST\_VOLUME from compartment bas\_comp, please wait......

Volume deletion successful. Please inspect the results below.

COMPARTMENT VOLUME AVAILABILITY DOMAIN LIFECYCLE STATE REGION

------------- ----------- --------------------- ----------------- ------------

bas\_comp TEST\_VOLUME clNq:US-ASHBURN-AD-1 TERMINATED us-ashburn-1

# Program Oci-DetachVolume.py

**Synopsis:**

This utility detaches the volume from the specified VM instance.

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Instance Name | string | YES | The name of the VM to detach the volume from. |
| Volume Name | string | YES | The name the volume to be deleted. |
| Region | string in quotes | YES | The name of the region the backup policy is to be added to. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Messages:**

Fetching and validating tenancy resource data, please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-DetachVolume.py admin\_comp dbs\_comp kentrmanp01 kentrmanp01\_datavol\_0 'us-ashburn-1'

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter YES to proceed to detach volume TEST\_VOLUME\_1 from VM instance kentdmzt03, or any other key to abort.

YES

Detaching volume TEST\_VOLUME\_1 from VM instance kentdmzt03. Please wait......

Volume detachment successful, please inspect the results below.

# Program Oci-ExportSecurityList.py

**Synopsis:**

This utility exports the security list rules of the specified network security list.

Oci-ExportSecurityList.py admin\_comp auto\_comp auto\_vcn auto\_sec 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified security list in which to get the information |
| Virtual Network | string | YES | The name of the VCN to get the information about |
| Network Security List | string | YES | The name of the network security list to export |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**No Return Values for this script.**

# Program Oci-GetBackupPolicy.py

**Synopsis:**

This utility lists all backup policies in the child compartment and can optionally list them by name.

Oci-GetBackupPolicy.py admin\_comp bak\_comp list\_all\_policies 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment where the backup policies are located. |
| Policy Name or list\_all\_policies | string | YES | The name of the policy to be listed OR “list\_all\_policies” to get a summery list of all of the policies in the specified compartment. |
| REGION | string in quotes | YES | The region where these resources will be created. |

**Example:**

| Key | Returned | Description |
| --- | --- | --- |
| COMPARTMENT | string | The OCID of the compartment where the backup policies were created. |
| POLICY | string | The name of the policy specified |
| POLICY\_ID | string | The OCID of this policy. |
| SCHEDULE TYPE | string | Either FULL or INCREMENTAL |
| DAY OF MONTH | integer | The number of the day of the month |
| DAY OF WEEK | string | The TEXT of the days of the week |
| START TIME | integer | The hour of the start time in 24 hour format |
| MONTH | string | The TEXT of the name of the month |
| FREQUENCY | string | “ONE\_DAY”, “ONE\_WEEK’, “ONE\_MONTH”, or “ONE\_YEAR” |
| BACKUP RETENTION IN DAYS | integer | The number of days the backups are retained, as set in the policy. |

**Return Values for a specified policy:**

# Program Oci-GetChildCompartment.py

**Synopsis:**

This utility lists all child compartments in the parent compartment.

Oci-GetChildCompartment.py admin\_comp auto\_comp

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information or “list\_all\_child\_compartments” to get a summarization list of all of the child compartments that are in the specified parent compartment. |
| Optional Argument | string | NO | The optional arguments ‘—ocid’ |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| COMPARTMENT | string | The name of the compartment specified in the child department parameter |
| DESCRIPTION | string | The name of the policy specified |
| LIFECYCLE STATE | string | The OCID of this policy. |

# Program Oci-GetDbSystem.py

**Synopsis:**

This utility lists the database systems in the specified compartment.

Oci-GetDbSystem.py admin\_comp dbs\_comp list\_all\_db\_systems 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment where the backup policies are located. |
| Db System Name | string | YES | The name of the policy to be listed OR “list\_all\_db\_systems” to get a lost of all of the policies in the specified compartment. |
| Region | string in quotes | YES | The region where these resources will be created. |
| Optional Argument | string | NO | The optional arguments |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Availability Domain | string in quotes | The name of the availability domain for the database system. |
| Compartment Id | string in quotes | The OCID of the compartment where the database was created. |
| CPU Core Count | integer | The number of CPU cores in use by this database system. |
| Data Storage Percentage | integer | The numeric percentage of the storage used in the data area. |
| Data Storage Size In GBs | integer | The size of the data storage in Gigabytes. |
| Database Edition | string in quotes | The edition of Oracle in use. |
| Disk Redundancy | string in quotes | The level of disk redundancy. |
| Domain | string in quotes | The domain the database is in. |
| Fault Domains | string in quotes | The fault domain the database container is in. |
| Hostname | string in quotes | The hostname of the database. |
| Id | string in quotes | The OCID of the database. |
| License Model | string in quotes | The license model the database is using. |
| Lifecycle State | string in quotes | The current lifecycle state of the database. |
| Listener Port | integer | The numeric port the listener is listening on for database connections. |
| Node Count | integer | The number of nodes in the DBaaS. |
| RECO Storage Size in GB | integer | The numeric size of the RECO storage in Gigabytes. |
| Shape | string in quotes | The name of the shape for the database container. |
| Ssh Public Keys | string in quotes | The ssh public key(s) used to create the database. |
| Time Zone | string in quotes | The timezone the database is using |
| Version | string in quotes | The version of Oracle in use on the database. |
| DB Node | string | The name of the data base node. |

# Program Oci-GetDrgAttachment.py

**Synopsis:**

This utility lists all of the DRG attachments in the specified compartment.

Oci-GetDrgAttachment.py admin\_comp vpn\_comp vpn0\_vcn vpn0\_drg vpn0\_drg\_attachment

‘us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information or “list\_all\_child\_compartments” to get a summarization list of all of the child compartments that are in the specified parent compartment. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network (VCN). |
| Dynamic Router Gateway | string | YES | The name of the dynamic router gateway (DRG). |
| DRG Attachment Name | string | YES | The name of the attachment to get details about or “list\_all\_drg\_attachments” to get a summery list of all DRG attachments. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| DRG Attachment | string | The description given to the compartment specified in parent compartment parameter. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string | The name of the region where the DRG attachment is. |

# Program Oci-GetDynamicRouterGateway.py

**Synopsis:**

This utility lists all of the dynamic routing gateways in the specified compartment.

Oci-GetDynamicRouterGateway.py admin\_comp dbs\_comp dbs\_vcn list\_all\_drgs 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified DRG in which to get the information. |
| Virtual Cloud Network | string | YES | The name of the virtual cloud network (VCN). |
| Dynamic Router Gateway | string | YES | The name of the dynamic router gateway (DRG) to get details about or “list\_all\_drgs” to get a summery list of all DRGs. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| DRG | string | The name of the DRG in the specified compartment and VCN |
| Lifecycle State | string | The current state of the compartment. |

# Program Oci-GetExport.p

**Synopsis:**

This utility lists all NFS exports in the specified compartment.

Oci-GetExport.py admin\_comp dbs\_comp KENTFST01\_MT 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified NFS export in which to get the information |
| Mount Target | string | YES | The name of the mount target to get detail information on. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --lifecycle-state Prints the state of the export resource  --path Prints the export's root path  --export-options Prints the exportfs details  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| File System Name | string | The name of the NFS filesystem |
| Mount Target | string | The mount target name |
| Path | string | The path of the NFS filesystem |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetFileSystem.py

**Synopsis:**

This utility lists all file systems in the specified compartment.

Oci-GetFileSystem.py admin\_comp dbs\_comp list\_all\_filesystems 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified NFS file system in which to get the information. |
| File System | string | YES | The name of the file system or “list\_all\_filesystems” to get a summarization list of all of the file systems that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --availability-domain Prints the availability domain the file  system was created in  --lifecycle-state Prints the state of the export resource  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| File System | string | The name of the NFS filesystem |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetImage.py

**Synopsis:**

This utility lists all install images available in the specified compartment.

Oci-GetImage.py admin\_comp bak\_comp list\_all\_images 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Image Name | string | YES | The only option is using ‘list\_all\_images’ which list all available VM image. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --name Prints the name of the file system |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Image Name | string | The name of the image |
| Image OCID | string | The OCID of the image |

# Program Oci-GetInternetGateway.py

**Synopsis:**

This utility lists all internet gateways in the specified compartment.

Oci-GetInternetGateway.py admin\_comp bas\_comp bas\_vcn list\_all\_igws 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified IGW in which to get the information. |
| Virtual Cloud Network | string | YES | The virtual cloud network where the IGW is located. |
| Internet Gateway | string | YES | The name of the internet gateway or “list\_all\_igws” to get a summarization list of all of the file systems that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --lifecycle-state Prints the state of the export resource  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Internet Gateway Name | string | The name of the internet gateway |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetKbCluster.py

**Synopsis:**

This utility lists all Kubernetes clusters in the specified compartment.

Oci-GetKbCluster.py admin\_comp dbs\_comp list\_all\_clusters 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Cluster Name | string | YES | The name of the Kubernetes cluster or “list\_all\_clusters” to get a summarization list of all of the file systems that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the cluster  --name Print the name of the cluster  --available-upgrades Prints any upgrades that may be  available for the cluster  --lifecycle-state Prints the cluster's lifecycle status  --metadata Prints the cluster metadata information  --network-config Prints the cluster's network configuration  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Cluster | string | The name of the internet gateway. |
| Version | string | The version of the Kubernetes cluster. |
| Kubernetes Dashboard State | string | The current state of the Kubernetes dashboard. |
| Pods CIDR | integer | The CIDR of the pods in the cluster. |
| Services CIDR | integer | The services CIDR of the cluster. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetLocalPeeringGateway.py

**Synopsis:**

This utility lists all Local Peering Gateways (LPG) in the specified compartment.

Oci-GetLocalPeeringGateway.py admin\_comp auto\_comp auto\_vcn list\_all\_lpgs 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified LPG in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Local Peering Gateway | string | YES | The name of the local peering gateway or “list\_all\_lpgs” to get a summarization list of all of the local peering gateways that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --lifecycle-state Prints the state of the export resource  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| LPG | string | The name of the local peering gateway. |
| Cross Tenancy Peering | boolean | If the local peering gateway uses cross tenancy peering. |
| Peering Status | string | The status of the local peering gateway. |
| Peer Advertised Route | Integer | The peer advertised route. |
| Lifecycle State | string | The current state of the local peering gateway in the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetMountTarget.py

**Synopsis:**

This utility lists all NFS mount targets in the specified compartment.

Oci-GetMountTarget.py admin\_comp dbs\_comp dbs\_vcn dbs\_sub list\_all\_mount\_targets 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified mount target in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the mount target is. |
| Subnet | string | YES | The name of the subnet the mount target is located in. |
| Mount Target | string | YES | The name of the mount target or “list\_all\_mount\_targets” to get a summarization list of all of the file systems that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --lifecycle-state Prints the state of the export resource  --json Prints all resource data in JSON format  and suppresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Mount Target | string | The name of the mount target |
| Availability Domain | string | The name of the availability domain the mount target is in. |
| Service IP Address | Integer | The service IP address of the mount target |
| Lifecycle State | string | The current state of the mount target in the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetNatGateway.py

**Synopsis:**

This utility lists all Name Address Translation gateways in the specified compartment.

Oci-GetNatGateway.py admin\_comp bas\_comp bas\_vcn list\_all\_nat\_gateways 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified gateway in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the NAT gateway is. |
| NAT Gateway | string | YES | The name of the NAT gateway that is in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --nat-ip Prints the NAT gateway's public IP  address  --lifecycle-state Prints the state of the export resource  --json Prints all resource data in JSON for |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| NAT Gateway | string | The name of the mount target. |
| Public IP Address | string | The public IP of the mount target is in. |
| Block Traffic | string | The service IP address of the mount target. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

**Program Oci-GetNetworkSecurityGroup.py**

**Synopsis:**

This utility lists all Network Security Groups (NSG) in the specified compartment.

Oci-GetNetworkSecurityGroup.py admin\_comp auto\_comp auto\_vcn list\_all\_security\_groups 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified NSG in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the NAT gateway is. |
| Network Security Group | string | YES | The name of the NSG or “list\_all\_security\_groups\_in\_vcn” that lists all of the NSGs that is in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --lifecycle-state Prints the state of the export resource  --virtual-cloud-network Prints the OCID of the virtual  cloud network associated with the  network security group  --json Prints all resource data in JSON for |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Security Group | string | The name of the NSG. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetNodePool.py

**Synopsis:**

This utility lists the node pool attributes of the specified node pool.

Oci-GetNodePool.py admin\_comp tst\_comp list\_all\_node\_pools 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the specified node pool is in |
| Cluster Name | string | YES | The name of the cluster the node pool is located in |
| Node Pool Name | string | YES | The name of the node pool to get information about |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the RPC resource  --name Prints the name of the nodepool resource  --version Prints the version of kubernetes  --node-config Prints the node configuration details  --shape Prints the shape deployed to the  nodepool  --json Print all resource data in JSON format  and surpress other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the node pool is located. |
| Cluster | string | The name of the cluster the node pool is in. |
| Node Pool | string | The name of the node pool |
| KB Version | string | The version of kubernetes |
| OS Version | string | The O/S version of the cluster |
| Nodes in Pool | numeric | The number of nodes in the pool |
| Shape | string | The shape of the Vm |
| Region | string | The region where the node pool is located. |

# Program Oci-GetParentCompartment.py

**Synopsis:**

This utility lists the parent compartment in the specified child compartment.

Oci-GetParentCompartment.py admin\_comp

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of the parent compartment to get information on. |
| Optional Argument | string | NO | The optional arguments ‘list\_all\_parent\_compartments’ lists a summary of all of the parent compartments in the root compartment |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| COMPARTMENT | string | The name of the compartment specified in the parent department parameter |
| DESCRIPTION | string | The description given to the compartment specified in parent compartment parameter |
| LIFECYCLE STATE | string | The current state of the compartment |

# Program Oci-GetRouteTable.py

**Synopsis:**

This utility lists all route tables in the specified compartment.

Oci-GetRouteTable.py admin\_comp web\_comp web\_vcn list\_all\_route\_tables 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the NAT gateway is. |
| Route Table Name | string | YES | The name of the route table or ‘list\_all\_route\_tables’ that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --route-rules Prints the defined route rules of the route  table resource  --lifecycle-state Prints the lifecycle state of the route table  resource  --json Prints all resource data in JSON for |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Route Table | string | The name of the route table. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetRpc.py

**Synopsis:**

This utility lists remote peering connections of a specified DRG.

Oci-GetRpc.py admin\_comp dbs\_comp dbs\_vcn dbs\_drg list\_all\_rpcs 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified DRG in which to get the information |
| Virtual Cloud Network (VCN) | string | YES | The VCN the RPC is located in |
| Dynamic Router Gateway (DRG) | string | YES | The name of the DRG the remote peering connections will be added to. |
| RPC | string | YES | The name of the remote peering connection to be added to the DRG. |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the RPC resource  --peering-status Print the peering status of the RPC  --lifecycle-state Print the lifecycle state of the RCP  --json Print all resource data in JSON format  and surpress other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VM is located. |
| VCN | string | The name of the route table. |
| DRG | string | The information of the route destination. |
| RPC | numeric | The type of destination information. |
| Peering Status | string | The status of the rpc. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string | The region where the route table is located. |

# Program Oci-GetSecurityList.py

**Synopsis:**

This utility lists all route tables in the specified compartment.

Oci-GetSecurityList.py admin\_comp auto\_comp auto\_vcn list\_all\_security\_lists 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified security list in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the NAT gateway is. |
| Network Security List | string | YES | The name of the security list or ‘list\_all\_security\_lists’ that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --egress-security-rules Print the egress security rules  within the security list  --ingress-security-rules Print the ingress security rules  within the security list  --lifecycle-state Prints the lifecycle state of the route table  resource  --json Prints all resource data in JSON for |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Security List | string | The name of the security list. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetSecurityList.py

**Synopsis:**

This utility lists all route tables in the specified compartment.

Oci-GetSecurityList.py admin\_comp auto\_comp auto\_vcn list\_all\_security\_lists 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified security list in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the NAT gateway is. |
| Network Security List | string | YES | The name of the security list or ‘list\_all\_security\_lists’ that are in the specified parent compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Prints the OCID of the export resource  --name Prints the name of the file system  --egress-security-rules Print the egress security rules  within the security list  --ingress-security-rules Print the ingress security rules  within the security list  --lifecycle-state Prints the lifecycle state of the route table  resource  --json Prints all resource data in JSON for |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Security List | string | The name of the security list. |
| Lifecycle State | string | The current state of the compartment. |
| Region | string in quotes | The name of the region where the mount target is. |

# Program Oci-GetShape.py

**Synopsis:**

This utility gets the current shape attributes of the specified VM.

Oci-GetShape.py admin\_comp tst\_comp list\_all\_vm\_shapes 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the VM is in |
| Shape | string in quotes | YES | The name of the VM shape to get the information about or ‘list\_all\_vm\_shapes’ to list all of the shapes available for the specified child compartment. |
| Region | string | YES | The region where the VM is located. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the node pool is located. |
| Shape | string | The name of shape |
| OCPUs | numeric | The number of VCPUs in the specified shape |
| Memory | numeric | The amount of memory in the specified shape |
| Bandwidth in Gbps | numeric | The maximum bandwidth of all of the VNICs |
| Max VNICs | numeric | The maximum number of VNICs supported by the specified shape. |
| CPU Description | string | The description of the VCPUs for the specified shape. |
| Region | string | The region where the node pool is located. |

# Program Oci-GetVirtualCloudNetwork.py

**Synopsis:**

This utility lists attributes of the specified Virtual Cloud Network (VCN).

Oci-GetVirtualCloudNetwork.py admin\_comp auto\_comp auto\_vcn 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VCN in which to get the information |
| VCN Name | string | YES | The name of the VCN to get the information about or ‘list\_all\_vcns’ to list all of the VCNs in the specified child compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the VCN resource  --name Print the name of the VCN resource  --cidr-block Print the CIDR IP address range of the  VCN  --defaults Print the default settings for DHCP, route  table, and security list  --lifecycle-state: Print the lifecycle state of the VCN  resource  --json Prints all resource data in JSON format  and surpresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VCN is located. |
| VNC | string | The name of the virtual cloud network (VCN) |
| CIDR | string | The CIDR block of the specified VCN |
| FQDN | string | The fully qualified domain name. |
| Route Table | string | The route table associated with the VCN |
| Security List | string | The security list associated with the VCN |
| DHCP Options | string | The option settings of the DHCP server associated with the VCN. |
| Region | string | The region where the VCN is located. |

# Program Oci-GetVirtualCloudSubNetwork.py

**Synopsis:**

This utility lists attributes of the specified Virtual Cloud Subnet Network.

Oci-GetVirtualCloudSubnetwork.py admin\_comp dr\_comp dr\_vcn list\_all\_subnetworks 'us-phoenix-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VCN Name | string | YES | The name of the VCN subnetwork to get the information about or ‘list\_all\_subnetworks’ to list all of the VCN subnetworks in the specified child compartment. |
| Subnet Name | string | YES | The name of the subnet to get information about. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the VCN resource  --name Print the name of the VCN resource  --prohibit\_public\_ip\_addresses Returns False if public IP  addresses are allowed, otherwise it  returns True.  --lifecycle-state: Print the lifecycle state of the subnet  resource.  --json Prints all resource data in JSON format  and surpresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the subnetwork is located. |
| VNC | string | The name of the virtual cloud network (VNC). |
| VCN CIDR | numeric | The CIDR block of the virtual cloud network (VNC). |
| Subnetwork | string | The subnetwork associated with the VNC. |
| CIDR | numeric | The CIDR block of the specified subnetwork. |
| Lifecycle State | string | The lifecycle state of the subnetwork. |
| Region | string | The region where the subnetwork is located. |

# Program Oci-GetVM.py

**Synopsis:**

This utility lists all virtual machines in the specified compartment.

Oci-GetVm.py admin\_comp web\_comp DKCDCP01 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VM in which to get the information |
| VM |  |  | The name of the VM to get the information about or ‘list\_all\_vms’ to list all of the VMs in the specified child compartment. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --ocid Print the OCID of the VM resource  --name Print the name of the VM resource  --availability-domain Print the availability domain where the  VM resource resides  --lifecycle-state Print the lifecycle state of the VM  resource  --metadata Print the metadata of the VM resource  --pub-ip Print all public IP addresses associated  with the VM resource  --priv-ip Print all private IP addresses associated  with the VM resource  --shape Print the shape details of the VM  resource  --source-details Print the source details from which this  VM resource had been created from  --json Print all resource data in JSON format  and surpresses other output |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment the VM is in. |
| VM Name | string | The name of the VM |
| Availability Domain | string | The Availablity Domain the VM is located in |
| VCN | string | The VCN name the VM is associated with. |
| Subnet | string | The subnet the VM is connected to. |
| Primary IP Address | numeric | The private IP assigned to the VM |
| Public IP address | numeric | The public IP assigned to the VM |
| Shape | string | The name of the shape the VM is using |
| Lifecycle State | string | The current state of the VM |
| Region | string | The name of the region where the mount target is. |

# Program Oci-GetVmVolume.py

**Synopsis:**

This utility lists attributes of the specified VM.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VM volume in which to get the information |
| VM | string | YES | The name of the VM to get the information about. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --json Prints all resource data in JSON format  and surpresses other output |

**Example:**

Oci-GetVolume.py admin\_comp dbs\_comp 'kentrmanp01 (Boot Volume)' 'us-ashburn-1' --boot-volume

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| VM Name | string | Name of the VM. |
| Volume Type | string | Type of volume. |
| Volume Name | string | The name of the volume. |
| Size in GBytes | integer | Size of the volume in Gigabytes. |
| Performance Setting | string | The performance setting of the volume. |
| Lifecycle State | string | The current state of the compartment. |
| Volume Replication Status | String | The state of volume replication, return value is either ENABLED or DISABLED |
| Volume Replication Region | String | Returns the fully qualified availability domain where the volume replica exists. |

**See Also:** <https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/volumereplication.htm>

# Program Oci-ImportNetworkSecurityGroupRules.py

**Synopsis:**

This utility imports security group rules from a .csv file.

Oci-ImportNetworkSecurityGroupRules.py admin\_comp auto\_comp auto\_vcn dmzt01\_grp ‘us-ashburn-1'

dmzt01\_grp.csv

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Network | string | YES | The name of the VCN to get the information about or ‘list\_all\_vcns’ to list all of the VCNs in the specified child compartment. |
| Network Security Group | string | YES | The name of the NSG to create/add the security rules to. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| CSV File | string | YES | The name of the .csv file that contains the security rules to add. |

**Example:**

**Return Values for each rule in the security list:**

| Key | Returned | Description |
| --- | --- | --- |
| Description | string | Description of the security rule purpose. |
| Destination | string | On EGRESS rules, shows the destination CIDR, on INGRESS shows null |
| Destination Type | numeric | On EGRESS rules, shows the destination type, on INGRESS shows null |
| Direction | string | Denotes INGRESS or EGRESS |
| ICMP Options | numeric | The ICMP options when the destination\_type is ICMP |
| Id | string | The Id number of the security rule |
| Is Stateless | boolean | Stateless = true, stateful = false |
| Is Valid | boolean | Should always be true |
| Protocol | string in quotes | The numeric resprensentattion of the protocol |
| Source | string in quotes | On INRESS rules, shows the destination CIDR, on EGRESS shows null |
| Source Type | string in quotes | On INRESS rules, shows the destination type, on EGRESS shows null |
| TCP Options | string in quotes | When TCP ports are specified, destination\_port\_range minimum and maximum |
| Time Created | string | Time and date the rule was created. |
| UDP Options | string in quotes | When UDP ports are specified, destination\_port\_range minimum and maximum |

# Program Oci-ImportSecurityList.py

**Synopsis:**

This utility imports the security list rules of the specified network security list.

Oci-ImportSecurityList.py admin\_comp auto\_comp auto\_vcn auto\_sec 'us-ashburn-1' auto\_sec\_rules.csv

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified network security list in which to get the information |
| Virtual Network | string | YES | The name of the VCN to get the information about |
| Network Security List | string | YES | The name of the network security list to export |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| CSV File | string | YES | The name of the .csv file that contains the security rules to add. |

**Example:**

**Return Values for each rule in the security list:**

| Key | Returned | Description |
| --- | --- | --- |
| Description | string | Description of the security rule purpose. |
| Destination | string | On EGRESS rules, shows the destination CIDR, on INGRESS shows null |
| Destination Type | numeric | On EGRESS rules, shows the destination type, on INGRESS shows null |
| Direction | string | Denotes INGRESS or EGRESS |
| ICMP Options | numeric | The ICMP options when the destination\_type is ICMP |
| Is Stateless | boolean | Stateless = true, stateful = false |
| Protocol | string in quotes | The numeric resprensentattion of the protocol |
| TCP Options | numeric | When TCP ports are specified, destination\_port\_range minimum, maximum, and source\_port\_range |
| UDP Options | numeric | When UDP ports are specified, destination\_port\_range minimum, maximum, and source\_port\_range |

# Program Oci-ReplicateBootVolumeToRegion.py

**Synopsis:**

This utility reports the status of all VM instance backups in the specified compartment or the status of backups for the specified VM instance.

Oci-ReplicateBootVolumeToRegion.py admin\_comp dbs\_comp

'ocid1.bootvolumebackup.oc1.iad.abuwcljtslmyxmeakhrxbwwolo7b5vdi4e4jn5qwasti6atfhrzug4fl57wq'

‘us-ashburn-1' 'us-phoenix-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Backup Item ID | string in quotes | YES | Then OCID of the backup job |
| Source Region | string in quotes | YES | Then name of the region where the backup image resides. |
| Destination Region | string in quotes | YES | Then name of the region secondary where the backup replication resides. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM | string | The name of the VM the backup volume is attached to. |
| Backup Name | string | The name of the backup of the volume. |
| Synchronization State | string | The state of the copy from the primary to secondary region. |
| Protected Volume | string | The name of the volume being backed up |
| Date | string | The date and time of the backup of the volume |
| Lifecycle State | string | The current state of the volume. |
| Primary Region | string | The name of the region where the volume resides. |
| Secondary Region | string | The name of the secondary region where the volume is being replicated to. |

# Program Oci-ReplicateVolumeToRegion.py

**Synopsis:**

This utility replicates the specified boot volume item to the specified destination region.

Oci-ReplicateVolumeToRegion.py admin\_comp dbs\_comp

'ocid1.volumebackup.oc1.iad.abuwcljtslmyxmeakhrxbwwolo7b5vdi4e4jn5qwasti6atfhrzug4fl57wq'

‘us-ashburn-1' 'us-phoenix-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Backup Item ID | string in quotes | YES | Then OCID of the backup job |
| Source Region | string in quotes | YES | Then name of the region where the backup image resides. |
| Destination Region | string in quotes | YES | Then name of the region secondary where the backup replication resides. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM | string | The name of the VM the backup volume is attached to. |
| Backup Name | string | The name of the backup of the volume. |
| Synchronization State | string | The state of the copy from the primary to secondary region. |
| Protected Volume | string | The name of the volume being backed up |
| Date | string | The date and time of the backup of the volume |
| Lifecycle State | string | The current state of the volume. |
| Primary Region | string | The name of the region where the volume resides. |
| Secondary Region | string | The name of the secondary region where the volume is being replicated to. |

# Program Oci-RestoreVM.py

**Synopsis:**

This utility restores a VM backup to a specified location.

Oci-RestoreVm.py acad\_comp edu\_comp edursrchp01 'us-ashburn-1' tstrestoret01 acad\_comp

edu\_comp edudr\_vcn edudr\_sub01 'us-phoenix-1' 2 '10.1.0.100'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified parent compartment in which to get the information |
| Virtual Cloud Network (VCN) | string | YES | The name of the VCN the route table resides in. |
| Source VM | string | YES | The name of the VM backup to use |
| Region | string in quotes | YES | Then name of the region where the VM resides. |
| New VM Name | string | YES | The name of the VM that is being created. |
| Target Parent Compartment | string | YES | The name of the parent compartment the new VM is being created in. |
| Target Child Compartment | string | YES | The name of the child compartment the new VM is being created in. |
| Target Virtual Cloud Network | string | YES | The name of the VCN the new VM is being created in. |
| Target Subnet | string | YES | The name of the subnet the new VM is being created in. |
| Target Region | string in quotes | YES | The name of the region the new VM is being created in. |
| Target AD Number | numeric | YES | The name of the AD the new VM is being created in. |
| IP address | string in quotes | YES | The IP address of the new VM is being given. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VM is located. |
| VM | string | The name of the new VM |
| Recovery Action | string | The type of action used for recovery |
| Lifecycle State | string | “Available”, “Running”, or “Exception” |
| Availability Domain | string | The availability domain of the restored VM |
| Fault Domain | string | The name of the fault domain of the restored VM |
| Shape | string | The shape of the restored VM |
| OCPUs | numeric | The number of OCPUs in the shape |
| Memory | numeric | The amount of memory assigned to the shape |
| Region | string | The region where the route table is located. |

# Program Oci-StartDbSystem.py

**Synopsis:**

This utility starts a database instance in the specified DBaaS.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| DB System Name | string | YES | The name of the database to start. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Message:**

Shutdown of DB system PRODCDB within compartment edu\_comp in region us-ashburn-1 has been submitted.

Oci-StartDbSystem.py admin\_comp dbs\_comp KENTBNRCDB 'us-ashburn-1

It will take up to 20 minutes for the shutdown to complete.

# Program Oci-StartVM.py

**Synopsis:**

This utility starts the specified VM.

Oci-StartVM.py admin\_comp tst\_comp DKCESMT01 'us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VM in which to get the information |
| VM Name | string | YES | The name of the VM to start. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VM is located. |
| VM Instance | string | The name of the VM starting. |
| Lifecycle State | string | The lifecycle state of the VM. |
| Region | string | The region where the VM is located. |

# Program Oci-StopVM.py

**Synopsis:**

This utility stops the specified VM.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VM in which to get the information |
| VM Name | string | YES | The name of the VM to stop. |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Message:**

Initiating a graceful shutdown of VM instance kentdmzt02 in compartment bas\_comp within region us-ashburn-1

Oci-StopVM.py admin\_comp tst\_comp DKCESMT01 'us-ashburn-1'

This will take a few minutes to complete, please wait......

Graceful shutdown of VM instance kentdmzt02 within compartment bas\_comp in region us-ashburn-1 completed.

# Program Oci-UpdateDbSystemLicenseModel.py

**Synopsis:**

This utility updates the license model of the database system of the specified DBaaS.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the specified node pool is in |
| DB System Name | string | YES | The name of the cluster the node pool is located in |
| License Model | string | YES | The two options are BRING\_YOUR\_OWN\_LICENSE and LICENSE\_INCLUDED |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |

**Example:**

**Messages:**

Fetching and verifying tenant resource data. Please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Have you made sure that the database for this DB System is in an OPEN state?

Do not apply the license model change unless the database is in an OPEN state. Corruption

to the SP files could happen if this change is applied with the database in any state

other than an OPEN state.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-UpdateDbSystemLicenseModel.py admin\_comp dbs\_comp KENTBNRCDB 'LICENSE\_INCLUDED' 'us-ashburn-1'

Press any key to continue to the next prompt.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

License model change request for DB System EDUTSTCDB in compartment edu\_comp in region us-ashburn-1

You are about to change the DB System's license model. Make sure no other changes are being applied to

the database system during this time. The license model change may take up to 20 minutes to completed.

Enter PROCEED\_TO\_CHANGE\_LICENSE\_MODEL and press enter to confirm, or just press the enter key to abort.

# Program Oci-UpdateDbSystemShape.py

**Synopsis:**

This utility updates the shape of the database system VM of the specified DBaaS.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the specified node pool is in |
| DB System Name | string | YES | The name of the cluster the node pool is located in |
| License Model | string | YES | The two options are BRING\_YOUR\_OWN\_LICENSE and LICENSE\_INCLUDED |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |

**Example:**

**Messages:**

Fetching and verifying tenant resource data. Please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Have you made sure that the database for this DB System is in an OPEN state?

Do not apply the license model change unless the database is in an OPEN state. Corruption

to the SP files could happen if this change is applied with the database in any state

other than an OPEN state.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Press any key to continue to the next prompt.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Shape change request for DB System EDUTSTCDB in compartment edu\_comp in region us-ashburn-1

Oci-UpdateDbSystemShape.py admin\_comp dbs\_comp KENTBNRCDB 'VM.Standard2.2' 'us-ashburn-1'

You are about to change the DB System's shape. Make sure no other changes are being applied to

the database system during this time. The shape change may take up to 20 minutes to completed.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

THIS IS A DISRUPTIVE OPERATION. THE DATABASE WILL BE RESTARTED

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter PROCEED\_TO\_CHANGE\_SHAPE and press enter to confirm, or just press the enter key to abort.

PROCEED\_TO\_CHANGE\_SHAPE

Updating DB system EDUTSTCDB with a compute shape change to VM.Standard2.2 , this will take up to 20 minutes to complete......

DB System shape change is completed. Please inspect the results below and check your databases.

# Program Oci-UpdateDbSystemSshKeys.py

**Synopsis:**

This utility updates the ssh keys associated with the database system of the specified DBaaS.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the specified node pool is in |
| DB System Name | string | YES | The name of the cluster the node pool is located in |
| Key Directory | string | YES | The directory where the ssh keys to be added reside |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |

**Example:**

**Messages:**

Fetching and verifying tenant resource data. Please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Have you made sure that the database for this DB System is in an OPEN state?

Do not apply the license model change unless the database is in an OPEN state. Corruption

to the SP files could happen if this change is applied with the database in any state

other than an OPEN state.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Press any key to continue to the next prompt.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Oci-UpdateDbSystemSshKeys.py admin\_comp dbs\_comp KENTBNRCDB /home/ansible/ssh\_keys 'us-ashburn-1'

Shape change request for DB System EDUTSTCDB in compartment edu\_comp in region us-ashburn-1

You are about to change the DB System's SSH keys. Make sure no other changes are being applied to

the database system during this time. The SSH key change may take up to 20 minutes to completed.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

THIS IS A DISRUPTIVE OPERATION. THE DATABASE WILL BE RESTARTED

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

You are about to change the DB System's SSH keys. Make sure no other changes are being applied to

the database system during this time. The SSH key change may take up to 20 minutes to completed.

DB System ssh key change is completed. Please inspect the results below and check your databases.

# Program Oci-UpdateDbSystemStorageSize.py

**Synopsis:**

This utility updates the database system storage size of the specified DBaaS.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment the specified node pool is in |
| DB System Name | string | YES | The name of the cluster the node pool is located in |
| New Storage Amount | string | YES | The size in GB to resize the storage to. |
| Region | string in quotes | YES | Then name of the region where the DRG resides. |

**Example**

**Messages:**

Fetching and verifying tenant resource data. Please wait......

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Have you made sure that the database for this DB System is in an OPEN state?

Do not apply the license model change unless the database is in an OPEN state. Corruption

to the SP files could happen if this change is applied with the database in any state

other than an OPEN state.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Press any key to continue to the next prompt.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Storage size change request for DB System EDUTSTCDB in compartment edu\_comp in region us-ashburn-1

Oci-UpdateDbSystemIncreaseStorage.py admin\_comp dbs\_comp KENTBNRCDB 512 'us-ashburn-1'

You are about to increase the DB System's storage. Make sure no other changes are being applied to the database system during this time. The storage increase may take up to 20 minutes to completed.

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

THIS IS A DISRUPTIVE OPERATION. THE DATABASE WILL BE RESTARTED

WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING! WARNING!

Enter PROCEED\_TO\_INCREASE\_STORAGE and press enter to confirm, or just press the enter key to abort.

PROCEED\_TO\_INCREASE\_STORAGE

The storage increase to DB System EDUTSTCDB has started

to 512 , please wait......

The storage increase to the DB System is complete. Please inspect the results below and check your databases.

# Program Oci-UpdateLocalPeeringGateway.py

**Synopsis:**

This utility updates the routes in the local peering gateway (LPG).

Oci-UpdateLocalPeeringGateway.py admin\_comp auto\_comp auto\_vcn auto\_to\_dbs\_lpg DmztoIntranetLpg

‘us-ashburn-1'

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Local Peering Gateway | string | YES | The name of the local peering gateway |
| Route Table | string | YES | The name of the route table to add to the LPG |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| LPG | string | The name of the local peering gateway. |
| Peer Advertised Route | string | The peer advertised route. |
| Route Table | string | The route table to be replaced in the LPG |
| Region | string | The name of the region where the LPG resides. |

# Program Oci-UpdateRouteRule.py

**Synopsis:**

This utility updates the rules in the specified router table.

OciUpdateRouteTable.py --lpg-type admin\_comp auto\_comp auto\_vcn auto\_rtb auto\_to\_web\_lpg

CIDR\_BLOCK '10.1.6.0/23' 'us-ashburn-1' CIDR\_BLOCK '10.1.6.0/24' \

‘This is the updated production route table for web app tier traffic

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Router Type | string | YES | Must be --lpg-type for local peering gateway,  --ngw-type for nat gateway, --igw-type for internet gateway, --drg-type for dynamic router gateway |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Virtual Cloud Network | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Route Table | string | YES | The name of the route table |
| Gateway Name | string | YES | The name of the gateway |
| Destination Type | string | YES | The type of destination, always use CIDR\_BLOCK |
| Destination Address | String in quotes | YES | The CIDR of the route, such as “172.16.0.0/16” |
| Region | String in quotes | YES | The region where the route table is located in |
| New Destination Type | string | YES | The new destination router type |
| New Destination Type | string | YES | Must be CIDR\_BLOCK |
| New Destination Address | String in quotes | YES | The CIDR of the route, such as “172.16.0.0/16” |
| New Description | String in quotes | YES | The new description name for the route rule |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The compartment where the VM is located. |
| Route Table | string | The name of the route table. |
| Destination | string | The information of the route destination. |
| Destination Type | numeric | The type of destination information. |
| Region | string | The region where the route table is located. |
| Router Name | string | The name of the router |
| Router Type | string | The type of router |

**Program Oci-UpdateVmCapacityReservation.py**

**Synopsis:**

This utility updates the VM and applies or removes it from the specified capacity reservation resource. There must be available reservations within the resource for the change to apply when adding a reservation. There must be sufficient resources of the same VM shape for the change to apply when adding a reservation.

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Reservation Name | string | YES | The name of the capacity reservation resource to apply or remove the VM from |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| enable/disable | Boolean | YES | Use “enable” to apply the VM to the capacity reservation resource. Use “disable” to remove the VM from the reservation capacity resource. |

Oci-UpdateVmCapacityReservation.py admin\_comp tst\_comp KENTBAST01 ad3\_reservations ‘us-ashburn-1’ enable

# Program Oci-UpdateVmName.py

**Synopsis:**

This utility updates the name of the specified VM.

Oci-UpdateVmName.py admin\_comp tst\_comp KENTBAST01 KENTBASP01

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| New VM Name | string | YES | The name of the local peering gateway |
| Region | string in quotes | YES | Then name of the region where the compartment resides. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Old VM name | string | The original name of the VM. |
| New VM Name | string | The name the VM is being changed to. |
| Lifecycle State | string | The current state of the VM |
| Region | string | The name of the region where the LPG resides. |

# Program Oci-UpdateVmPubIp.py

**Synopsis:**

This utility enables and disables the public IP address of the specified VM.

Oci-UpdateVmPubIp.py admin\_comp tst\_comp KENTBAST01 'us-ashburn-1' --enable

**Parameters:**

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Name | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Region | string in quotes | YES | Then name of the region where the VM resides. |
| Action Argument | string | YES | Valid options include:  --enable Enable the public IP for the VM  —disable Disable the public IP for the VM |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM name | string | The original name of the VM. |
| Public IP address | string | The IP address assigned to the VM. |
| Region | string | The name of the region where the LPG resides. |

# Program Oci-UpdateVmShape.py

**Synopsis:**

This utility updates the shape of the specified VM.

Oci-UpdateVmShape.py admin\_comp tst\_comp DKCJUBSUBT01 'VM.Standard2.2' 'us-ashburn-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified VM in which to get the information |
| VM Name | string | YES | The name of the VM to be updated. |
| Shape | string in quotes | YES | The shape to set the VM to. |
| Region | string in quotes | YES | Then name of the region where the VM resides. |
| Action Argument | string | YES | Valid options include:  --force Bypasses the confirmation prompt.  --prompt Enable the confirmation prompt. |
| Optional Argument | string | NO | Valid options include:  --ocpus Bypasses the confirmation prompt.  —memory Enable the confirmation prompt. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM name | string | The original name of the VM. |
| New Shape | string | The name of the new shape of the VM. |
| OCPUs | integer | The number of OCPUs in the VM. |
| Memory | integer | The amount of memory in GB in the VM |
| Lifecycle State | string | The current state of the VM. |
| Region | string | The name of the region where the LPG resides. |

# Program Oci-UpdateVolumeName.py

**Synopsis:**

This utility updates the name of the specified volume.

Oci-UpdateVolumeName.py admin\_comp dbs\_comp kentrmanp01\_datavol\_0 kentrmanp01\_datavol\_1 'us-ashburn-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified volume in which to get the information |
| Volume Name | string | YES | The name of the volume to be updated |
| New Volume Name | string in quotes | YES | The new name of the volume that was updated |
| Region | string in quotes | YES | Then name of the region where the VM resides. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Availability Domain | string | The availability domain of the VM. |
| Old Volume Name | string | The previous name of the VM. |
| New Volume Name | integer | The new name of the VM. |
| Lifecycle State | string | The current state of the VM. |
| Region | string | The name of the region where the LPG resides. |

# Program Oci-UpdateVolumeSize.py

**Synopsis:**

This utility updates the size of the specified volume.

Oci-UpdateVolumeSize.py admin\_comp dbs\_comp kentrmanp01\_datavol\_0 2048 'us-ashburn-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Volume Name | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Volume Size in Gbytes | string in quotes | YES | The size to increase the volume to, in GB |
| Region | string in quotes | YES | Then name of the region where the VM resides. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| Availability Domain | string | The availability domain of the VM. |
| Volume Name | string | The name of the VM. |
| Old Size | integer | The previous size of the volume |
| New Size | integer | The new size of the volume |
| Lifecycle State | string | The current state of the volume. |
| Region | string | The name of the region where the volume resides. |

# Program Oci-UpdateVolumeSpeed.py

**Synopsis:**

This utility updated the performance setting of the specified volume.

Oci-UpdateVolumeSpeed.py admin\_comp dbs\_comp kentrmanp01 kentrmanp01\_datavol\_0 HIGH 'us-ashburn-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| Instance | string | YES | The VM name that is associated with the volume. |
| Volume Name | string | YES | The virtual cloud network (VCN) where the local peering gateway is. |
| Speed Rating | string in quotes | YES | The speed rating of the volume (LOW/BALANCED/HIGH) |
| Region | string in quotes | YES | Then name of the region where the VM resides. |
| Optional Argument | string | NO | Valid options include:  --force Bypasses the confirmation prompt. |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM | string | The name of the VM the volume is attached to. |
| Availability Domain | string | The availability domain of the VM. |
| Volume | string | The name of the volume. |
| Previous Performance Setting | string | The previous performance setting of the volume |
| Updated Performance Setting | string | The new performance setting of the volume |
| Lifecycle State | string | The current state of the volume. |
| Region | string | The name of the region where the volume resides. |

# Program Oci-VmBackupReport.py

**Synopsis:**

This utility displays all of the VMs backups and their synchronization status or shows the synchronization status all of the backup jobs for the specified VM.

Oci-VmBackupReport.py acad\_comp math\_comp list\_all\_backups 'us-ashburn-1' ‘us-phoenix-1'

Oci-VmBackupReport.py acad\_comp math\_comp algebrap01 'us-ashburn-1' ‘us-phoenix-1'

| Parameter | Value | Required? | Comments |
| --- | --- | --- | --- |
| Parent Compartment | string | YES | The name of this parent compartment that the child compartment will be subordinate to. |
| Child Compartment | string | YES | The child compartment of the specified in which to get the information |
| VM Instance | string | YES | The name of the VM in the backup policy |
| Primary Region | string in quotes | YES | Then name of the region where the VM resides. |
| Secondary Region | string in quotes | YES | The name of the region where the backup is being replicated to. |
| Optional Argument | string | NO | Valid options include:  --json provides the output in json format |

**Parameters:**

**Example:**

**Return Values:**

| Key | Returned | Description |
| --- | --- | --- |
| Compartment | string | The name of the compartment specified in the parent department parameter. |
| VM | string | The name of the VM the backup volume is attached to. |
| Backup ID | string | The OCID of the backup of the volume. |
| Synchronization State | string | The state of the copy from the primary to secondary region. |
| Protected Volume | string | The name of the volume being backed up |
| Date | string | The date and time of the backup of the volume |
| Lifecycle State | string | The current state of the volume. |
| Primary Region | string | The name of the region where the volume resides. |
| Secondary Region | string | The name of the secondary region where the volume is being replicated to. |