OCI Express Utilities Documentation

Version V2.1g

David Kent Consulting, Inc.

Table of Contents

Copywriter Statement

IMPORTANT - THIS IS A LEGAL AGREEMENT BETWEEN YOU, ON BEHALF OF YOUR ORGANIZATION ("LICENSEE") AND THE COMPANY. BY USING THIS SOFTWARE, OR, BY DOWNLOADING, INSTALLING, RECEIVING OR USING A PRODUCT OR SERVICE, YOU AGREE TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS, DO NOT DOWNLOAD, INSTALL, RECEIVE OR USE THE PRODUCT OR SERVICE AND YOU WILL NOT HAVE A RIGHT TO USE ANY PART OF A PRODUCT OR SERVICE. ON OR AFTER THE DATE YOU ACCEPT THESE RESTRICTED USE LICENSE TERMS ("TERMS"), YOUR RIGHTS, OBLIGATIONS AND USE OF PRODUCT OR SERVICE PROVIDED BY The Company ARE SUBJECT TO THESE TERMS UNLESS YOU HAVE EXECUTED TERMS TO PURCHASE A SPECIFIC PRODUCT OR SERVICE FROM The Company. "PRODUCT" OR "SERVICE" INCLUDES ALL RELATED USER MANUALS AND TRAINING MATERIALS PROVIDED TO YOU ELECTRONICALLY OR PHYSICALLY ("DOCUMENTATION"), AND REVISIONS AND UPDATES THAT REPLACE OR SUPPLEMENT A PRODUCT OR SERVICE.

I. LICENSE/RIGHT TO USE

A. "Product" means The Company proprietary software products.

B. The Company Grant. The Company grants to Licensee a revocable, royalty-free, non-exclusive, non-transferable right to use Product or SaaS ("License") for Restricted Use according to the Documentation, these Terms, and any specified Measured License, for its own internal business operations at the Licensee site to which it is first provided. "Measured License" means the time period, number and type of Users, transactions, copies, seats, instructions per second (MIPS) or other quantity or measure for Product or SaaS.

C. Licensee Grant. Licensee grants The Company a royalty-free, worldwide, perpetual license to use and incorporate into The Company products any suggestion, idea, enhancement, feedback, recommendation or other information Licensee provides to The Company relating to Restricted Use Product or SaaS.

II. DELIVERY

"Delivery" means The Company has provided, and Licensee is deemed to have accepted, Product or SaaS through electronic access. The Company may provide Product for Licensee to download. Product or SaaS risk of loss passes to Licensee upon Delivery. Licensee is responsible for customs documents, clearance, and paying any customs duties, taxes and import fees.

III. LICENSEE OBLIGATIONS

1) use Product and SaaS according to these Terms, be responsible for its activity in using SaaS, and ensure its end users comply with these Terms;

2) be responsible for the accuracy, quality, legality, integrity, ownership, protection, adequate storage, security, privacy and acquisition of Data;

3) prevent unauthorized access to Product and SaaS;

4) comply with laws and regulations in using SaaS, including: data privacy, technical or personal data transmission, and anti-spam;

5) notify The Company immediately of unauthorized access to Product or SaaS, or known or suspected breach of SaaS security, and use reasonable efforts to immediately stop unauthorized access, known or suspected violation of law, or these Terms;

6) properly configure, program and operate Licensee's hardware, software, websites, Data, content, and internet to access and use SaaS;

7) comply with The Company's protocols and requirements for SaaS;

8) define and perform tests to: determine suitability of Beta Product or SaaS for Licensee's business and environment; detect defects, errors and inadequacies; recommend modifications, improvements, corrections; consult with The Company to review and analyze representative data; and use reasonable efforts to provide written test and evaluation information to The Company for Beta Product or SaaS.

B. Licensee will not:

1) permit any party to access or use Product or SaaS other than its employees; sell, resell, rent, lease or sublicense Product or SaaS, or use Product or SaaS to provide time share or other services to third parties;

2) create derivative works based on Product or SaaS, copy, frame or mirror any part of SaaS, other than copying or framing Licensee Data, content or intranet for Licensee's internal business operations;

3) decompile, disassemble, reverse engineer, access or use SaaS or Product to build a competitive product or service, copy features, functions or graphics;

4) use SaaS to store or transmit infringing, libelous, or unlawful or tortious material or transmit material in violation of privacy rights;

5) use SaaS to store or transmit viruses, worms, time bombs, Trojan horses or other harmful or malicious code, files, scripts, agents or programs; interfere with or disrupt the integrity or performance of SaaS or attempt to gain unauthorized access to SaaS or related systems;

6) transfer or use Product or SaaS at a site other than that to which it is first provided;

7) use Product or SaaS in Licensee's production environment; or infringe or misappropriate The Company's or its licensors' Intellectual Property.

C. Verification. Licensee will provide information and certification to The Company upon request to verify Licensee's Product or SaaS use according to the Agreement. Licensee will immediately pay The Company current fees for Licensee's Product or SaaS use that exceeds the Restricted Use License. THE LIMITATION OF LIABILITY SET FORTH IN SECTION IX DOES NOT APPLY TO LICENSEE'S USE EXCEEDING ITS LICENSE, OR INFRINGEMENT OR MISAPPROPRIATION OF The Company INTELLECTUAL PROPERTY OR CONFIDENTIAL INFORMATION.

IV. TERM AND TERMINATION

A. The Company may terminate this Agreement or a License at any time without notice.

B. Upon termination: 1) Licensee will immediately return or destroy Product and Documentation, cease using SaaS, and provide written certification of destruction upon request, and 2) The Company may remove or discard Licensee Data when using The Company's SaaS.

V. INTELLECTUAL PROPERTY OWNERSHIP

"Intellectual Property" means all intellectual property including, without limitation, inventions, patents, copyrights, trademarks, service marks, trade names, trade secrets, know-how, moral rights, licenses, and any other intangible proprietary or property rights, whether or not patentable or otherwise subject to legally enforceable restrictions or protections against unauthorized third party usage or whether arising by statute or common law. The Company, its affiliates or licensors own and retain all right, title and interest to and in all intellectual property in Product and SaaS, including without limitation, inventions, patents, copyrights, trademarks, service marks, trade names, trade secrets, know-how, moral rights, licenses, developments, research data, designs, layout, models, formulae, documents, drawings, plans, specifications and other The Company information, proprietary materials and all derivative works, and any other intangible proprietary or property rights, whether or not patentable or otherwise subject to legally enforceable restrictions or protections against unauthorized third party use, or whether arising by statute or common law. To the extent that any right, title or interest in or to any The Company Intellectual Property may not automatically vest in The Company by operation of law, Licensee irrevocably transfers, assigns and conveys all right, title, and interest therein to The Company. At The Company's request and expense Licensee will promptly take any action and execute any documents necessary to vest full title in The Company or its licensor.

VI. WARRANTY DISCLAIMER

A. NOTWITHSTANDING ANY OTHER PROVISION, The Company PROVIDES RESTRICTED USE PRODUCT AND SAAS "AS IS", "AS-AVAILABLE", WITHOUT WARRANTY, REPRESENTATION OR INDEMNITY OF ANY KIND, EXPRESS, IMPLIED, ORAL, WRITTEN, STATUTORY, OR OTHERWISE, INCLUDING WITHOUT LIMITATION, WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR NON-INFRINGEMENT, OR THAT: 1) PRODUCT OR SAAS WILL BE UNINTERRUPTED, ERROR FREE, OR OPERATE IN COMBINATION WITH ANY HARDWARE, SOFTWARE, SYSTEM, OR DATA; 2) DATA WILL BE ACCURATE OR RELIABLE; 3) THE QUALITY OF PRODUCT, SAAS, OR RESULTS OR INFORMATION OBTAINED WILL MEET LICENSEE'S REQUIREMENTS OR EXPECTATIONS; 4) ERRORS OR DEFECTS WILL BE CORRECTED; OR 5) THE SERVICE OR SERVER USED TO PROVIDE SAAS ARE FREE OF VIRUSES OR OTHER HARMFUL COMPONENTS.

B. SAAS MAY BE SUBJECT TO LIMITATION, DELAY, AND OTHER PROBLEMS INHERENT IN USE OF THE INTERNET AND ELECTRONIC COMMUNICATION AND The Company DISCLAIMS LIABILITY FOR RESULTING DELAY OR DELIVERY FAILURE.

C. LICENSEE HAS SOLE RESPONSIBILITY FOR ITS USE OF PRODUCT OR SAAS OR FULFILLING LICENSEE'S REQUIREMENTS OR OBJECTIVES IN USING RESTRICTED USE PRODUCT OR SAAS AND The Company DISCLAIMS LIABILITY FOR ANY PARTY'S ACT OR OMISSION IN USE OF OR RELIANCE UPON PRODUCT OR SAAS. LICENSEE'S SOLE REMEDY AND RECOURSE IS TO STOP USING PRODUCT OR SAAS AND SECTION V(B) WILL APPLY. THIS SECTION VIII DESCRIBES The Company'S SOLE LIABILITY FOR PRODUCT OR SAAS WARRANTY.

VII. LIMITATION OF LIABILITY

A. The Company IS NOT LIABLE FOR (i) ANY CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES, (ii) ANY INTERRUPTION OF SERVICE, BUSINESS OR OPERATIONS, COST OF COVER, GOODWILL, LOST DATA, PROFITS OR REVENUE, OR FAILURE OF A REMEDY TO ACHIEVE ITS ESSENTIAL PURPOSE. The Company IS NOT LIABLE FOR LOSS OR DAMAGES, DIRECT OR INDIRECT, RESULTING FROM LICENSEE'S USE OR ATTEMPTED USE OF PRODUCT OR SAAS, INCLUDING, WITHOUT LIMITATION, CLAIMS BASED UPON THEIR SUFFICIENCY, RELIABILITY, TIMELINESS, QUALITY, SECURITY, SUITABILITY, TRUTH, AVAILABILITY, COMPLETENESS OR ACCURACY.

B. EXCEPT FOR DEATH, BODILY INJURY, WILLFUL MISCONDUCT OR FRAUD, AND SOLELY TO THE EXTENT PROXIMATELY CAUSED BY The Company, The Company IS NOT LIABLE FOR ANY DAMAGES THAT EXCEED THE AMOUNT The Company RECEIVED FROM LICENSEE FOR THE RESTRICTED USE PRODUCT OR SAAS GIVING RISE TO A CLAIM. THIS SECTION VII DESCRIBES THE TOTAL EXTENT OF The Company'S LIABILITY FOR PRODUCT OR SAAS.

VIII. COMPLIANCE WITH LAWS; EXPORT

Licensee must comply with U.S., foreign, and international laws and regulations, including without limitation the U.S. Export Administration and Treasury Department's Office of Foreign Assets Control regulations, and other anti-

boycott and import regulations. Licensee agrees: (i) that the export, re-export, transfer, re-transfer, sale, supply, access to, or use of Product or SaaS to or in a country other than the country in which the Product or SaaS was first provided to Licensee, or to, by, or for a different end user or end use, may require a U.S. or other government license or other authorization; and (ii) not to, directly or indirectly, export, re-export, transfer, re-transfer, sell, supply, or allow access to or use of Product or SaaS to, in, by, or for sanctioned, embargoed, or prohibited countries, persons, or end uses under U.S. or other applicable law (collectively, "Prohibited Use"). Licensee is responsible for screening for Prohibited Use and obtaining any required licenses or other authorizations and shall indemnify The Company for any violation by Licensee of any applicable export controls and/or economic sanctions laws and regulations. The Company may terminate the Agreement and License immediately if The Company determines, in its sole discretion, that Licensee has breached, intends to breach, or insists upon breaching any of the provisions in this clause.

IX. U.S. GOVERNMENT USERS

Product and SaaS includes "Commercial Computer Software" and "Commercial Computer Software Documentation." In accordance with Section 12.212 of the Federal Acquisition Regulations (FAR) and Sections 227.7202-1 through 227.7202-4 of the Defense Federal Acquisition Regulation Supplement (DFARS), any use, duplication or disclosure of Product or SaaS by the U.S. Government or any of its agencies will be governed by and subject to all of the Terms, conditions, restrictions, and limitations of the Agreement. Use of Product or SaaS is agreement by the U.S. Government that Product or SaaS includes "commercial computer software" and "commercial computer software documentation" and is acceptance of the rights and restrictions in the Agreement. If for any reason Product or SaaS is not considered commercial or the Agreement Terms are otherwise deemed not to apply, the Product or SaaS will be deemed to be provided with "Restricted Rights" as defined in FAR 52.227-14(a) and FAR 52.227-14(g)(4) (Alt III), or DFARS 252.227-7014(a)(15) and DFARS 252.227-7014(b)(3), as applicable.

X. MISCELLANEOUS

A. Integration. The Agreement sets forth the entire agreement of the parties and supersedes all prior oral and written agreements and understandings with respect to its subject matter. No waiver or modification of any provision of the Agreement is binding unless in writing signed by both parties. The Company's failure to exercise a right or remedy is not a waiver. If an Agreement term is invalid, illegal or unenforceable, it will not affect any other Agreement term. The Agreement may not be assigned by Licensee.

B. Law. The laws of Michigan, USA, govern the Agreement, excluding conflict of law principles which would require application of the law of any other jurisdiction. Each party waives the right to jury trial for any legal action. The United Nations Convention on Contracts for the International Sale of Goods and the Uniform Computer Information Transaction Act as adopted do not apply.

Program Oci-AddAlarm.py

Synopsis:

This utility will add an alarm notification to an alarm notification item.

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.
region	string	YES	The region where the alarm item is stored.
Alarm Name	string	YES	The name of this alarm item
notification item name	string	YES	The name of the notification item that this alarm will be associated with
notification item compartment	string	YES	The child compartment where the notification item is stored
namespace	string	YES	The alarm namespace library that the query will run against
query string	string	YES	The alarm query string
severity	string	YES	The severity setting for this alarm
repeat notification value	integer	YES	The number of repeat notification increments to wait between notifications
repeat notification units	string	YES	The notification units, day, hour, minutes
alarm message body	string	YES	The message body of this alarm
Message format	string	YES	A valid format for the message, the default is HTML
option --suppress-output	none	NO	When passed, the utility will suppress all output

Example:

```
Oci-AddAlarm.py [parent compartment] [child_compartment] [region] [alarm name] \
[notification item name] [notification item compartment] [namespace] \
[query string] [severity] [repeat notification value] \
[repeat notification units] [alarm message body] [message format] [option --suppress-output]
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Monitoring/Tasks/managingalarms.htm

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.

<u>WARNING!</u> 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.

Parameter	Value	Required?	Comments
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.
CPU Count	integer	YES	The number of CPUs to deploy to this resource
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 4 $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.
cpu_core_count	integer	The number of CPUs assigned to this resource
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.

Key	Returned	Description
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.

Key	Returned	Description
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

See Also

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-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.

Key	Returned	Description
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

See Also:

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

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

See Also

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.

See Also

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

See Also

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

See Also

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

Program Oci-AddVm.py

Synopsis:

This utility adds a VM to the OCI subscription

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.
virtual machine name	string	YES	The name of the virtual machine that will be created
boot vol in gb	integer	YES	The size in GB of the boot volume
vcn name	string	YES	The name of the VCN that this VM will attach to
subnet name	string	YES	The name of the subnet this VM will be assigned to
source image name	string	YES	The name of the source image from which to build the VM
shape	string	YES	A valid shape to assign to the VM
number of OCPUs	integer	YES	The number of physical CPUs to assign to the VM
Memory in GB	integer	YES	The number of GB of RAM to assign to the VM
private IP address	string	YES	The private IP address to assign to the VM
availability domain number	integer	YES	The availability domain where the VM will be built, may be 1, 2, or 3
region	string	YES	The region where the VM will be built
OPTION --ssh-key-file	string	YES	The fully qualified path to the SSH public key, such as /home/ansible/.ssh/id_rsa.pub

Example:

```
Oci-AddVm.py admin_comp tst_comp KENTWEB01 64 tst_vcn tst_sub 'Oracle-
Linux-7.9-2021.12.08-0'\
'VM.Standard.E4.Flex' 1 16 '172.16.4.4 2' 'us-ashburn-1' \
--ssh-key-file '/home/ansible/.ssh/id_rsa.pub'
```

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.

See Also:
https://www.oracle.com/cloud/compute/virtual-machines/

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-AddVmToNetworkSecurityGroup.py

Synopsis:

This utility will add a VM's network interface to a security group.

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 where the security group is stored
virtual machine	string	YES	The name of the virt ual machine
network security group	string	YES	The name of the security group to apply to the VM's network interface
REGION	string in quotes	YES	The region where the resources are located within.

Example:

```
Oci-AddVmToNetworkSecurityGroup.py admin_comp tst_comp tst_vcn kentesmt01 tst_tomcat_grp 'us-
ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/networksecuritygroups.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-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-BackupVmDisks.py

Synopsis:

This utility runs an immediate manual backup of the specified VM's disks

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.
REGION	string in quotes	YES	The region where the resources are located within.
Option —silent	none	NO	Suppresses all output

Example:

```
Oci-BackupVmDisk.py admin_comp oem_comp 'EMS-OMS1' 'us-ashburn-1' —silent
```

See Also:

https://docs.oracle.com/cd/E50245_01/E50251/html/vmadm-vm-backup.html

Program Oci-CloneVmFromReplicatedVolumes.py

Synopsis:

This utility clones an existing virtual machine either to the same or a different region. All the VM's volumes must be replicated to the target region if cloning to a different region.

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.
source region	string	YES	The region where the source VM is located in
target child compartment	string	YES	The target region where the VM will be cloned to
target virtual cloud network	string	YES	The virtual cloud network to attach the VM to
target subnetwork	string	YES	The subnet to assign the VM to
target virtual machine private IP address	string	YES	The target region to clone the VM to
target region	string	YES	The region to clone the VM to

Example:

```
Oci-CloneVmFromReplicatedVolumes.py  admin_comp tst_comp kentjsubp01 'us-ashburn-1' \
dbs_comp dr_vcn dbs_sub02 '172.16.129.4' 'us-phoenix-1'
```

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"
```

See Also:

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

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.

See Also

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

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.

See Also:

https://www.oracle.com/cloud/cloud-native/container-engine-kubernetes/

Program Oci-CreateVmVolumeReplicas.py

Synopsis:

This utility creates replica copies of all VM boot and block volumes to another region. It requires that the subscription be subscribed to the remote region.

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 Machine Name	string	YES	The name of the virtual machine
region	string	YES	The region where this virtual machine is in
DR region	string	YES	The region to replicate this virtual machine's volumes to

Example:

```
Oci-CreateVmVolumeReplicas.py admin_comp auto_comp kentanst01 'us-ashburn-1' 'us-phoenix-1'
```

See Also

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/volumereplication.htm

Program Oci-DeleteAlarm.py

Synopsis:

This utility deletes the alarm from the specified 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 child compartment of the specified in which to get the information
alarm_name	string	YES	The name of the alarm
region	string	YES	The region where this alarm is in
--force	none	NO	Option to force the command to run without prompting the user

Example:

```
Oci-DeleteAlarm.py admin_comp auto_comp vcn_alarm_type_VnicConntrackIsFull 'us-ashburn-1'
```

See Also

https://docs.oracle.com/en-us/iaas/Content/Monitoring/Tasks/managingalarms.htm

Program Oci-DeleteBackupPolicy.py

Synopsis:

This utility deletes the specified backup policy.

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
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.

Example:

```
Oci-DeleteBackupPolicy.py admin_comp bak_comp kentdmzt01_backup 'us-ashburn-1' --force
```

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.
```

See Also:

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

Program Oci-DeleteBackupPolicySchedule.py

Synopsis:

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

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
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.

Example:

```
Oci-DeleteBackupPolicySchedule.py admin_comp bak_comp kentdmzt01_backup FULL YEARLY 23 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-DeleteBootVolume.py

Synopsis:

This utility deletes the boot volume from the specified 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 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.

Example:

```
Oci-DeleteBootVolume.py acad_comp edu_comp 'EDUTEACHT01 (Boot Volume)' 'us-ashburn-1' —force
```

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.
YES
Deleting volume......


Boot volume deletion completed successfully.

COMPARTMENT     BOOT VOLUME            LIFECYCLE STATE    REGION
------------    ----------------------  ----------------   ------------
dbs_comp        kentwft01 (Boot Volume)  TERMINATED         us-ashburn-1
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/bootvolumes.htm

Program Oci-DeleteChildCompartment.py

Synopsis:

This utility deletes 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 child compartment of the specified in which to get the information
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-DeleteChildCompartment.py admin_comp auto_comp —force
```

Messages:

```
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 child compartment alpha1_test, or any other key to exit
YES
Child compartment TEST_COMPARTMENT remove request submitted.
```

See Also:

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

Program Oci-DeleteDbSystem.py

Synopsis:
This utility terminates the specified DB system.

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 system to be deleted.
Region	string in quotes	YES	The name of the region the backup policy is to be added to.

Example:

```
Oci-DeleteDbSystem.py admin_comp dbs_comp KENTBNRCDB 'us-ashburn-1'
```

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!

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.
```

See Also:
https://docs.oracle.com/en-us/iaas/dbcs/doc/virtual-machine-db-systems.html

Program Oci-DeleteDrgAttachment.py

Synopsis:

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

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	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.

Example:

```
Oci-DeleteDrgAttachment.py admin_comp vpn_comp vpn0_vcn vpn0_drg vpn0_drg_attachment 'us-ashburn-1'
```

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!

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
```

See Also:

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

Program Oci-DeleteDrgRemotePeeringConnection.py

Synopsis:

This utility deletes the DRG remote peering connection.

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
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.

Example:

```
Oci-DeleteDrgAttachment.py admin_comp vpn_comp vpn0_vcn vpn0_drg vpn0_drg_attachment 'us-ashburn-1'
```

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!

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
```

See Also:

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

Program Oci-DeleteDynamicRouterGateway.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 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.

Example:

```
Oci-DeleteDynamicRouterGateway.py admin_comp vpn_comp vpn_vcn vpn_drg 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteExport.py

Synopsis:

This utility deletes the export from the file system and 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 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.

Example:

```
Oci-DeleteExport.py admin_comp dbs_comp KENTFST01 KENTFST01_MT '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 the export associated with mount target exptestfst01_mt and file system
exptestfst01 , or any other key to abort
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
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/File/Concepts/filestorageoverview.htm

Program Oci-DeleteExportFsExportOption.py

Synopsis:

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

Example:

```
Oci-DeleteExportFsExportOption.py admin_comp dbs_comp KENTNFSMT01 '172.16.0.157'
'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/File/Concepts/filestorageoverview.htm

Program Oci-DeleteFileSystem.py

Synopsis:
This utility deletes the specified file system within the specified 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 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.

Example:

```
Oci-DeleteFileSystem.py admin_comp dbs_comp KENTFST01 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/File/Concepts/filestorageoverview.htm

Program Oci-DeleteInternetGateway.py

Synopsis:

This utility deletes the internet gateway resource from within the 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 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.

Example:

```
Oci-DeleteInternetGateway.py admin_comp auto_comp auto_vcn auto_igw 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteKbCluster.py

Synopsis:

This utility deletes the cluster from the specified 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 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.

Example:

```
Oci-DeleteKbCluster.py acad_comp math_comp MATHKBC01 'us-ashburn-1'
```

See Also:

https://www.oracle.com/cloud/cloud-native/container-engine-kubernetes/

Program Oci-DeleteLocalPeeringGateway.py

Synopsis:

This utility deletes the local peering gateway.

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 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.

Example:

```
Oci-DeleteLocalPeeringGateway.py admin_comp auto_comp auto_vcn auto_to_dbs_lpg 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteMountTarget.py

Synopsis:

This utility deletes the specified mount target within the specified 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 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.

Example:

```
Oci-DeleteMountTarget.py admin_comp dbs_comp KENTFST01_MT 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteNatGateway.py

Synopsis:

This utility deletes the NAT gateway to 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 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.

Example:

```
Oci-DeleteNatGateway.py admin_comp auto_comp auto_vcn auto_ngw 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteNetworkSecurityGroup.py

Synopsis:

This utility deletes the specified network security group.

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 name of the virtual cloud network
network security group	string	YES	The name of the network security group
Region	string in quotes	YES	The region where the network security group exists
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-DeleteNetworkSecurityGroup.py admin_comp auto_comp auto_vcn auto_grp 'us-ashburn-1'
```

See Also

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

Program Oci-DeleteNodePool.py

Synopsis:

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

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 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.

Example:

```
Oci-DeleteNodePool.py acad_comp math_comp MATHKBC01 MATHKBC01_NP01 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/ContEng/Tasks/contengmodifyingnodepool.htm

Program Oci-DeleteParentCompartment.py

Synopsis:

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

Parameters:

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.

Example:

```
Oci-DeleteParentCompartment.py admin_comp
```

See Also:

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

Program Oci-DeleteRouteRule.py

Synopsis:

This utility deletes an LPG route rule from 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. --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.

Example:

```
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'
```

See Also:

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

Program Oci-DeleteRouteTable.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
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.

Example:

```
Oci-DeleteRouteTable admin_comp web_comp web_vcn web_rtb 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteSecurityList.py

Synopsis:

This utility deletes the network security list to 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 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.

Example:

```
Oci-DeleteSecurityList.py admin_comp auto_comp auto_vcn auto_sec 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteVM.py

Synopsis:

This utility deletes the virtual machine.

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 name of the virtual machine
preserve disks	boolean	YES	Must enter true or false. True will preserve all volumes for this virtual machine on delete, false will remove all volumes when the virtual machine is removed.
region	string	YES	The region where this virtual machine exists
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-DeleteVM.py admin_comp tst_comp DKCESMT01 True 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/terminatinginstance.htm

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'
```

See Also:

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

Program Oci-DeleteVirtualCloudNetwork.py

Synopsis:

This utility deletes the virtual cloud network 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 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.

Example:

```
Oci-DeleteVirtualNetwork.py admin_comp auto_comp auto_vcn autovcn 'us-ashburn-1'
```

See Also:

https://www.oracle.com/cloud/networking/virtual-cloud-network/

Program Oci-DeleteVirtualCloudSubNetwork.py

Synopsis:

This utility deletes virtual cloud subnetwork 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 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.

Example:

```
Oci-DeleteVirtualCloudSubNetwork.py admin_comp auto_comp auto_vcn auto_sub01 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteVmFromNetworkSecurityGroup.py

Synopsis:

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

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 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.
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-DeleteVmFromNetworkSecurityGroup.py admin_comp tst_comp kentesmt01 'us-ashburn-1'
```

See Also:

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

Program Oci-DeleteVmVolumeReplicas.py

Synopsis:

This utility deletes the VM's replica volume sets from the remote region

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 Machine	string	YES	The name of the VM to remove its volume replica sets from
Region	string in quotes	YES	The name of the region where the VM is located at
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-DeleteVmVolumeReplicas.py admin_comp auto_comp kentanst01 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/volumereplication.htm

Program Oci-DeleteVolume.py

Synopsis:

This utility deletes the volume from 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 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.

Example:

```
Oci-DeleteVolume.py admin_comp dbs_comp kentrmanp01_datavol_0 'us-ashburn-1'
```

See Also:

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

Program Oci-DetachVolume.py

Synopsis:

This utility detaches the volume from the specified 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 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.

Example:

```
Oci-DetachVolume.py admin_comp dbs_comp kentrmanp01 kentrmanp01_datavol_0 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/detachingavolume.htm

Program Oci-ExportNetworkSecurityGroupRules.py

Synopsis:

This utility exports the network security group rules of the specified network security list. The exported CSV file will be named <security group name>.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 security list in which to get the information
Virtual Network	string	YES	The name of the VCN to get the information about
network security group	string	YES	The name of the network security group to export
Region	string in quotes	YES	Then name of the region where the compartment resides.
Optional Argument	string	NO	Valid options include: --JSON list the alarm detail output in JSON format

Example:

```
Oci-GetAlarms.py admin_comp auto_comp list_all_alarms 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Monitoring/Concepts/alarmsbestpractices.htm

Program Oci-ExportSecurityList.py

Synopsis:

This utility exports the security list rules of the specified network security list. The exported CSV file will be named <security list name>.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 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:

```
Oci-ExportSecurityList.py admin_comp auto_comp auto_vcn auto_sec 'us-ashburn-1'
```

See Also:

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

Program Oci-GetAlarm.py

Synopsis:

This utility lists all information about an alarm.

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
alarm name	string	YES	The name of the alarm
region	string in quotes	YES	The region where the alarm was created
Display Option	none	NO	Must be --JSON to list in JSON format

Example:

```
Oci-GetAlarms.py admin_comp auto_comp list_all_alarms 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Monitoring/Tasks/managingalarms.htm

Program Oci-GetBackupPolicy.py

Synopsis:

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

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:

```
Oci-GetBackupPolicy.py admin_comp bak_comp list_all_policies 'us-ashburn-1'
```

Return Values for a specified policy:

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.

See Also:

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

Program Oci-GetChildCompartment.py

Synopsis:

This utility lists all child compartments in the 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 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:

```
Oci-GetChildCompartment.py admin_comp auto_comp
```

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.

See Also:

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

Program Oci-GetDbSystem.py

Synopsis:

This utility lists the database systems in the specified 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 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:

```
Oci-GetDbSystem.py admin_comp dbs_comp KENTFINCDB 'us-ashburn-1'
```

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.

Key	Returned	Description
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.

See Also:
https://docs.oracle.com/en-us/iaas/dbcs/doc/virtual-machine-db-systems.html

Program Oci-GetDgAssociation.py

Synopsis:

This utility lists information about a dataguard association for OCI managed database systems.

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
db system name	string	YES	The name of the DB System
db name	string	YES	The name of the database that has the dataguard associations, including all pluggable databases
region	string in quotes	YES	Then name of the region where the DB system resides.
dg region	string in quotes	YES	The name of the region where the dataguard association for this database resides

Example:

```
Oci-GetDgAssociations.py admin_comp dbs_comp KENTCDB KENTDB 'us-ashburn-1' 'us-phoenix-1
```

See Also:

https://docs.oracle.com/en-us/iaas/dbcs/doc/use-oracle-data-guard-db-system.html

Program Oci-GetDrgAttachment.py

Synopsis:
This utility lists all of the DRG attachments in the specified 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 child 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:
```
Oci-GetDrgAttachment.py admin_comp vpn_comp vpn0_vcn vpn0_drg vpn0_drg_attachment
'us-ashburn-1'
```

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.

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

Program Oci-GetDynamicRouterGateway.py

Synopsis:

This utility lists all of the dynamic routing gateways in the specified 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 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:

```
Oci-GetDynamicRouterGateway.py admin_comp vpn_comp vpn0_vcn vpn0_drg 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetExport.py
Synopsis:
This utility lists all NFS exports in the specified 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 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:

```
Oci-GetExport.py admin_comp dbs_comp KENTFST01_MT 'us-ashburn-1'
```

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.

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

Program Oci-GetFileSystem.py

Synopsis:

This utility lists all file systems in the specified 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 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:

```
Oci-GetFileSystem.py admin_comp dbs_comp KENTFST01 'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/File/Concepts/filestorageoverview.htm

Program Oci-GetImage.py

Synopsis:

This utility lists all install images available in the specified 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 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.

Example:

```
Oci-GetImage.py admin_comp bak_comp 'Oracle-Linux-8.4-Gen2-GPU-2021.10.20-0' 'us-ashburn-1'
```

Return Values:

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

See Also:

https://docs.oracle.com/en-us/iaas/images/

Program Oci-GetInternetGateway.py

Synopsis:

This utility lists all internet gateways in the specified 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 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:

```
Oci-GetInternetGateway.py admin_comp auto_comp auto_vcn auto_igw 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetKbCluster.py

Synopsis:

This utility lists all Kubernetes clusters in the specified 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 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:

```
Oci-GetKbCluster.py admin_comp dbs_comp kentkbct01 'us-ashburn-1'
```

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.

See Also:

https://www.oracle.com/cloud/cloud-native/container-engine-kubernetes/

Program Oci-GetLocalPeeringGateway.py

Synopsis:

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

```
Oci-GetLocalPeeringGateway.py admin_comp auto_comp auto_vcn auto_to_bas_lpg 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetMountTarget.py

Synopsis:

This utility lists all NFS mount targets in the specified 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 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:

```
Oci-GetMountTarget.py admin_comp dbs_comp dbs_vcn dbs_sub KENTFST01_MT 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetNatGateway.py

Synopsis:

This utility lists all Name Address Translation gateways in the specified 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 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:

```
Oci-GetNatGateway.py admin_comp auto_comp auto_vcn auto_ngw 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetNetworkSecurityGroup.py

Synopsis:

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

```
Oci-GetNetworkSecurityGroup.py admin_comp auto_comp auto_vcn auto_grp us-ashburn-1
```

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.

See Also:

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

Program Oci-GetNodePool.py

Synopsis:

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

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	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:

```
Oci-GetNodePool.py admin_comp tst_comp KENTKBCT01_NP00 'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/ContEng/Tasks/contengmodifyingnodepool.htm

Program Oci-GetNotificationItems.py

Synopsis:

This utility lists details about the specified notification item.

Parameters:

Parameter	Value	Required?	Comments
Parent Compartment	string	YES	The name of the parent compartment to get information on.
child compartment	string	YES	The child compartment where the notification item is located at
notifcation list name	string	YES	The name of the notification list
region	string	YES	The region where the notification list is stored
options	none	NO	Valid options include: —json Report details in JSON format

Example:

```
Oci-GetNotifications.py admin_comp auto_comp list_all_notification_items 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Notification/Concepts/notificationoverview.htm

Program Oci-GetParentCompartment.py

Synopsis:

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

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:

```
Oci-GetParentCompartment.py admin_comp
```

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

See Also:

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

Program Oci-GetRouteTable.py

Synopsis:

This utility lists all route tables in the specified 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 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:

```
Oci-GetRouteTable.py admin_comp web_comp web_vcn web_rtb 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetRpc.py

Synopsis:

This utility lists remote peering connections of a specified DRG.

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:

```
Oci-GetRpc.py admin_comp vpn_comp vpn0_vcn vpn0_drg vpn0_drg_primaryregion_rpc 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetSecurityList.py

Synopsis:

This utility lists all route tables in the specified 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 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:

```
Oci-GetSecurityList.py admin_comp auto_vcn auto_sec 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetShape.py

Synopsis:

This utility gets the current shape 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 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:

```
Oci-GetShape.py admin_comp web_comp 'VM.Standard2.1' 'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/References/computeshapes.htm

Program Oci-GetVirtualCloudNetwork.py

Synopsis:

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

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:

```
Oci-GetVirtualCloudNetwork.py admin_comp auto_comp auto_vcn 'us-ashburn-1'
```

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.

See Also:
https://www.oracle.com/cloud/networking/virtual-cloud-network/

Program Oci-GetVirtualCloudSubNetwork.py

Synopsis:

This utility lists attributes of the specified Virtual Cloud Subnet 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 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:

```
Oci-GetVirtualCloudSubNetwork.py admin_comp auto_comp auto_vcn auto_sub01 autosub01 'us-
ashburn-1'
```

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.

See Also:

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

Program Oci-GetVM.py

Synopsis:

This utility lists all virtual machines in the specified 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 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:

```
Oci-GetVm.py admin_comp web_comp DKCDCP01 'us-ashburn-1'
```

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.

See Also:

https://www.oracle.com/cloud/compute/virtual-machines/

Program Oci-GetVmBackupPolicyAssignment.py

Synopsis:

This utility lists attributes of the specified VM backup policy assignments.

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.

Example:

```
Oci-GetVmBackupPolicyAssignment.py admin_comp bas_comp kentdmzt01 'us-ashburn-1'
```

See Also:

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

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-GetVmVolume.py admin_comp bas_comp kentdmzt01 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-GetVolume.py

Synopsis:

This utility lists attributes 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 compartmen
volume name	string	YES	The name of the volume
Region	string in quotes	YES	Then name of the region where the compartment resides.

Volume type	none	YES	When supplied, must be:
			`--BOOT-VOLUME`
			`--VOLUME`
| Optional Argument | string | NO | ```
Valid options include:
    -- ocid              Print the OCID of the volume
    -- name              Print the name of the volume
    -- lifecycle-state   Print the lifecycle state
    -- performance-setting Print the volume performance
    -- size              Print the volume size
    -- json              Print all data in JSON format
``` |

Example:

```
Oci-GetVolume.py admin_comp dbs_comp 'kentrmanp01 (Boot Volume)' 'us-ashburn-1' --boot-volume
```

Return Values:

Key	Returned	Description
COMPARTMENT	string	The child compartment
AVAILABILITY DOMAIN	string	The fully qualified domain name
VOLUME	string	The name of the volume
TYPE	string	Either BOOT VOLUME or VOLUME
SIZE	integer	The size of the volume in GB
LIFECYCLE STATE	string	The lifecycle state of the volume
REGION	string	The region where the volume exists

See Also:

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

Program Oci-GetVolumeBackupItems.py

Synopsis:

This utility lists information about volume backups

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 compartmen
volume name	string	YES	The name of the volume

volume type	none	YES	must be:
			`--BOOT-VOLUME`
			`--VOLUME`

volume	string	YES	The name of the volume
region	string	YES	The region where the volume is located
dr region	string	YES	The DR region where backup copies are replicated to

Optional Argument	string	NO	```Valid options include:```
			``` --date ddmmyyyy All backups for the specified date is```
			``` returned```
			``` --name 'name of item' The name of the backup item to```
			``` report on```
			``` --json Print outut for all backups in JSON format and```
			``` supress other output```

Example:

```
Use case example 1 reports all backup items for the specified volume within the specified
compartment:
Oci-GetVolumeBackupItems.py acad_comp math_comp --volume algebrap01_datadisk_1 'us-ashburn-1'
'us-phoenix-1'

Use case example 2 reports all backups for the specified volume on the specified day:
Oci-GetVolumeBackup.py acad_comp math_comp --volume calcp01_datadisk_1 'us-ashburn-1' \
'us-phoenix-1' -day 26022021

Use case example 3 reports all detail on the specified backup object:
Oci-GetVolumeBackup.py acad_comp math_comp --boot-volume 'trigp01 (Boot Volume)'\
'us-ashburn-1' 'us-phoenix-1' \
-name 'Auto-backup for 2021-03-08 05:00:00 via policy: math_prod_bk_policy'

Use case exmaple 4 reports all backups for the volume in JSON format and supresses other
output:
Oci-GetVolumeBackupItems.py acad_comp math_comp --volume algebrap01_datadisk_1\
'us-ashburn-1' 'us-phoenix-1' —json
```

Return Values:

Key	Returned	Description
COMPARTMENT	string	The child compartment
VOLUME	string	The name of the volume
BACKUP_SET	string	The name of the backup set
DATE CREATED	date	The date the backup set was created
EXPIRATION DATE	date	The date the backup set will be expired, or infinite
LIFECYCLE STATE	string	The lifecycle state of the resource
region	string	The region where the backup is stored

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/blockvolumebackups.htm

Program Oci-ImportNetworkSecurityGroupRules.py

Synopsis:

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

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:

```
Oci-ImportNetworkSecurityGroupRules.py admin_comp auto_comp auto_vcn dmzt01_grp
'us-ashburn-1' dmzt01_grp.csv
```

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

See Also:

https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/securityrules.htm

Program Oci-ImportSecurityList.py

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

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:

```
Oci-ImportSecurityList.py admin_comp auto_comp auto_vcn auto_sec 'us-ashburn-1'
auto_sec_rules.cs
```

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

See Also:

https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/securityrules.htm

Program Oci-ListNetworkSecurityGroupRules.py

Synopsis:

This utility lists all security group rules for the specified security group

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
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.
format	none	YES	Must be: `--json` Print all rules in JSON format and suppress other output `--egress-rules` Print all egress rules `—ingress-rules` Print all ingress rules

Example:

```
./Oci-ListNetworkSecurityGroupRules.py admin_comp bas_comp bas_vcn bas_prod_grp\
'us-ashburn-1' —json
```

See Also:

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

Program Oci-PurgeAlarmsInCompartment.py

Synopsis:

This utility purges all alarms within the 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 child compartment
region	string	YES	The region where the alarms are stored
Force option	none	NO	--force option does not prompt user for input and force deletes the alarms

Example:

```
Oci-PurgeAlarmsInCompartment.py admin_comp auto_comp 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Monitoring/Tasks/managingalarms.htm

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.

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
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.

Example:

```
Oci-ReplicateBootVolumeToRegion.py admin_comp dbs_comp \
'ocid1.bootvolumebackup.oc1.iad.abuwcljtslmyxmeakhrxbwwolo7b5vdi4e4jn5qwasti6atfhrzug4fl57wq' \
'us-ashburn-1' 'us-phoenix-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/volumereplication.htm

Program Oci-ReplicateVolumeToRegion.py

Synopsis:

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

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
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.

Example:

```
Oci-ReplicateVolumeToRegion.py admin_comp dbs_comp \
'ocid1.volumebackup.oc1.iad.abuwcljtslmyxmeakhrxbwwolo7b5vdi4e4jn5qwasti6atfhrzug4fl57wq' \
'us-ashburn-1' 'us-phoenix-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/volumereplication.htm

Program Oci-RestoreVM.py

Synopsis:

This utility restores a VM backup to a specified location. It does this by restoring the boot and block volumes, and then launches the instance from the boot volume. The utility concludes with attaching all known block volumes to the instance. The utility is used for disaster recovery testing purposes and presumes that the VM instance is correctly defined in the primary region. The instance in the primary region may be in any state except TERMINATED or TERMINATING for the recovery to take place.

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:

```
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'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/creatingbootvolume.htm
https://docs.oracle.com/en/cloud/paas/soa-cloud/soa-marketplace/soamp-restore-block-volume.html
https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/launchinginstance.htm
https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/attachingavolume.htm

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:

```
Oci-StartDbSystem.py admin_comp dbs_comp KENTBNRCDB 'us-ashburn-1'
```

Return Message:

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

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

See Also:

https://docs.oracle.com/en-us/iaas/dbcs/doc/start-db-system.html

Program Oci-StartVM.py

Synopsis:

This utility starts 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 start.
Region	string in quotes	YES	Then name of the region where the compartment resides.

Example:

```
Oci-StartVM.py admin_comp tst_comp DKCESMT01 'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/restartinginstance.htm

Program Oci-StopDbSystem.py

Synopsis:

This utility stops the specified DB system.

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
DB system name	string	YES	The name of the DB system to stop.
Region	string in quotes	YES	Then name of the region where the compartment resides.
Force option	none	NO	Stops the DB system without prompting the user

Example:

```
Oci-StopDbSystem.py admin_comp dbs_comp KENTBNRCDB 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/dbcs/doc/stop-db-system.html

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:

```
Oci-StopVM.py admin_comp tst_comp DKCESMT01 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/restartinginstance.htm

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:

```
Oci-UpdateDbSystemLicenseModel.py admin_comp dbs_comp KENTBNRCDB 'LICENSE_INCLUDED' 'us-
ashburn-1'
```

See Also:

https://www.oracle.com/a/ocom/docs/corporate/oracle-software-licensing-basics.pdf

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
shape	string	YES	The shape of the DB system
CPU count	integer	YES	The number of CPUs to apply to this DB system
Region	string in quotes	YES	Then name of the region where the DRG resides.

Example:

```
Oci-UpdateDbSystemShape.py admin_comp dbs_comp KENTBNRCDB 'VM.Standard2.2' 2 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/References/computeshapes.htm

Program Oci-UpdateDbSystemSshKeys.py

Synopsis:

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

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:

```
Oci-UpdateDbSystemSshKeys.py admin_comp dbs_comp KENTBNRCDB /home/ansible/ssh_keys 'us-
ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/dbcs/doc/add-ssh-keys-db-system.html

Program Oci-UpdateDbSystemStorageSize.py

Synopsis:

This utility increases the database system storage size of the specified DBaaS. Storage for a DBaaS may not be decreased.

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:

```
Oci-UpdateDbSystemIncreaseStorage.py admin_comp dbs_comp KENTBNRCDB 512 'us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/dbcs/doc/virtual-machine-db-systems.html

Program Oci-UpdateLocalPeeringGateway.py

Synopsis:

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

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:

```
Oci-UpdateLocalPeeringGateway.py admin_comp auto_comp auto_vcn auto_to_dbs_lpg
DmztoIntranetLpg 'us-ashburn-1'
```

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.

See Also:

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

Program Oci-UpdateRouteRule.py

Synopsis:

This utility updates the rules in the specified router table.

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:

```
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
```

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

See Also:

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

Program Oci-UpdateVirtualCloudSubnetwork.py

Synopsis:

This utility updates the specified virtual cloud subnetwork.

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 name of the virtual cloud network
subnetwork	string	YES	The name of the subnetwork
region	string	YES	The region where the subnetwork resides
Optional Argument	string	YES	Valid options include: --dhcp-options The name of the DHCP options resource to apply to the subnetwork --display-name The new display name to apply to the the subnetwork --route-table The name of the route table to apply to the subnetwork --security-list The name of the security list to apply to the subnetwork

Example:

```
Oci-UpdateVirtualCloudSubnetwork.py admin_comp auto_comp auto_vcn auto_sub 'us-ashburn-1' --
route-table auto_rtb
```

See Also:

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

Program Oci-UpdateVmName.py

Synopsis:

This utility updates the name 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 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:

```
Oci-UpdateVmName.py admin_comp tst_comp KENTBAST01 KENTBASP01
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/renaminginstance.htm

Program Oci-UpdateVmPubIp.py

Synopsis:

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

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:

```
Oci-UpdateVmPubIp.py admin_comp tst_comp KENTBAST01 'us-ashburn-1' --enable
```

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.

See Also:

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

Program Oci-UpdateVmShape.py

Synopsis:

This utility updates the shape 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 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.

Examples:

```
Oci-UpdateVmShape.py admin_comp tst_comp DKCJUBSUBT01 'VM.Standard2.2' 'us-ashburn-1'

Oci-UpdateVmShape.py admin_comp web_comp DKCTCATP01 'VM.Standard.E3.Flex' us-ashburn-1'
--prompt --ocpus 2 --memory 32
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Compute/Tasks/resizinginstances.htm

Program Oci-UpdateVolumeName.py

Synopsis:

This utility updates the name 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 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.

Example:

```
Oci-UpdateVolumeName.py admin_comp dbs_comp kentrmanp01_datavol_0 kentrmanp01_datavol_1
'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/renamingavolume.htm

Program Oci-UpdateVolumeSize.py

Synopsis:

This utility updates the size 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
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.

Example:

```
Oci-UpdateVolumeSize.py admin_comp dbs_comp kentrmanp01_datavol_0 2048 'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/resizingavolume.htm

Program Oci-UpdateVolumeSpeed.py

Synopsis:

This utility updated 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
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.

Example:

```
Oci-UpdateVolumeSpeed.py admin_comp dbs_comp kentrmanp01 kentrmanp01_datavol_0 HIGH
'us-ashburn-1'
```

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.

See Also:

https://docs.oracle.com/en-us/iaas/Content/Block/Tasks/changingvolumeperformance.htm

Program Oci-UpgradeClusterBackplaneVersion.py

Synopsis:

This utility upgrades the Kubernetes code level for the specified Kubernetes backplane.

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 cluster
kubernetes version	string	YES	The version of Kubernetes to upgrade to
region	string	YES	The region where the cluster resides
Optional Argument	string	NO	Valid options include: --force Bypasses the confirmation prompt.

Example:

```
Oci-UpgradeClusterBackplaneVersion.py admin_comp tst_comp KENTKBCT01 'v1.21.5' us-ashburn-1'
```

See Also:

https://docs.oracle.com/en-us/iaas/Content/ContEng/Tasks/
contengupgradingk8smasternode.htm

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.

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 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

Examples:

```
Use case example below lists the backup summary for all virtual machines in the specified
compartment:
    Oci-VmBackupReport.py admin_comp dbs_comp list_all_backups 'us-ashburn' --summary-only

Use case example below lists detailed backups for all virtual machines in the specified
compartment:
    Oci-VmBackupReport admin_comp dbs_comp list_all_backups 'us-ashburn-1'

Use case example below lists detailed backup for the specified virtual machine:
    Oci-VmBackupReport.py admin_comp dbs_comp kentrmanp01 'us-ashburn-1'

Use case example below lists all backup data for the specified virtual machine in JSON format
    Oci-VmBackupReport.py admin_comp dbs_comp kentrmanp01 'us-ashburn-1' —json
```

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.

See Also:
https://docs.oracle.com/en-us/iaas/Content/Block/Concepts/blockvolumebackups.htm

INTENTIONAL END OF DOCUMENT