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Define tenancy usage- report as

usage2adw is a tool that uses Python SDK to extract usage reports from a tenant and upload them to Oracle's standalone database. Oracle Application Express (APEX) will be used for reporting. Developed by Adi zoar, February 2020 **DISCLAIMER** - This is not oracle's official No. 1 app. Deploy a copy of VM Compute to launch the python OCI script - Select your network VCN and Subnet (any type of VCN and Subnet) -----gt; Assign a public IP - Optional if on a public subnet - --qgt; Add your public key SSH ----gt; Click Create a copy of Instance Info: ----gt; Compe OCID to be used for dynamic resolution of the group ---gt; Create a dynamic group for the principles of the OCI --gt; Menu -----gt; Create a Dynamic Group - -----gt; Name - UsageDownloadGroup - 'Gt; Desc - Dynamic Group for Reporting the Use of VM ---gt; Rule 1 - ANY - ANY - instance.id' - 'OCID_Of_Step_1_Instance' No. Create a policy to allow the Dynamic Group to extract a usage report and read the Compartments OCI menu - -----gt; Politicians choose root-building policy for the creation of the compartment ---gt; Name - UsageDownloadPolicy - - Desc - Allow the dynamic group UsageDownloadGroup to extract reports on the use of scripts: to define the report on the use of the lease. aaaaaaaaned4fkksbjwlr56u7cj63lf3wfbilvknstgtvzub7vhqkggq approve dynamic group UsageDownloadGroup for reading objects in rental use-report Allow dynamic group UsageloadDownloadload to verify the tenant is corrected. 4. Deploy a standalone OCI Data Storage Database - Menu - 'gt; Autonomous Data Warehouse Create a Standalone Database - - - Compartment - Please select - - - Display Name - ADWCUSG ---gt; Database Name ADWCUSG ---gt; Workload - Data Warehouse - Always Free - --gt; OCPU No. 1 --gt; Storage - 1 --gt; Automatic Scale - No - - - Password - We1lc2om3e-4 (Please choose your own password) -----gt; Choose network access - Allow secure access from everywhere (you can use VCN also, which requires NSG) - Enter the Linux Machine Using the SSH Key you provided, SSH for the linux machine from step #1 ssh opc@UsageVM 6. You will launch a package installation scenario from Github Script will install Python3, Git and python packages - oci, oci-cli, cx_Oracle and queries Install Oracle Database Instance Client, Update bashrc and Clone python SDK at oci github: bash -c\$(curl -L Setting up credentials This script ask for the name of the database, the administrator's password, the application password and the start date of the statement /home/opc/usage_reports_to_adw/set/setup_credentials.sh 8. Download the standalone Wallet database - on Linux - create a folder \$HOME/ADWCUSG mkdir \$HOME/ADWCUSG - on OCI - MENU - --gt; Service Console -----gt; Download customer credentials -----gg; Include the administrator's password ----gt; copy the wallet wallet_ADWCUSG.zip in the Linux folder /home/opc with the name of the wallet.zip 9. Check OCI Connection and Settings User Database and Tops - Run: /home/opc/usage_reports_to_adw/set/setup_usage2adw.sh 10. THE OPEN autonomous database OFEX Workspace Admin OCI Console - qgt; standalone databases - ADWCUSG - Workspace - User Use - Use Password - Password that you have identified for application 11. Sign in the Apex App Click on App Builder on the left side Click on the Application Report of Use and Cost Perform the App Bookmark on this page for future user use - Password use - Password that you have identified for app 12. How to create additional end login accounts into the Managment Top 3rd Right Menu workspace - --gt; Manage users and groups - -----gt; Create user-filling: ---gt; User name ----gt; Email -----gt; Password ----gt; Confirm password - How to update the usage2adw and APEX app on oci github: bash -c\$(curl -L Copyright License (c) 2016, 2020, Oracle and/or its affiliates. All rights are reserved. This software has a dual license under Universal Permit License (UPL) 1.0, as shown in or Apache License 2.0, as shown in the . You can choose any license. A cost report is a decimal file (CSV) similar to a usage report, but also includes cost columns. The report can be used to get the invoice line elements broken down at the resource level. As a result, you can optimize Oracle Cloud Infrastructure costs and make better decisions about cloud costs. A usage report is a split comma (CSV) file that can be used to obtain a detailed breakdown of resources in Oracle's cloud infrastructure to audit or reconcile invoices. The cost report is automatically generated daily and stored in a storage bucket for Oracle-owned objects. It contains one line per Oracle Cloud Infrastructure resource (such as a storage bucket, VNIC) per hour, as well as consumption information (use, price, cost), metadata, and tags. Cost reports typically contain 24-hour usage data, although sometimes a cost report can contain data on late arrivals that are over 24 hours old. Reports costs may include fixes. Fixes are added as new lines in the report, with a lineItem/isCorrection column set and a referenceNo value of the corrected line filled in theItem/backReference column. Cost reports are maintained for one year. The name of the file for each cost report is added with an automatic numerical increase. Next table table cost report scheme. The line of description of the name of the fieldItem/referenceNo Line ID. Used for debugging and correction. lineItem/TenantId ID (OCID) for Oracle cloud infrastructure tenant. lineItem/intervalUsageStarte the start time of the resource usage interval in UTC. lineItem/intervalUsageEnd The end of the UTC resource use interval. Product/service Service Service, which is the resource. Product/compartmentId Compartment ID that contains the resource. product/coupeM of the compartment that contains the resource. Product/Region Region containing the resource. Product/AccessibilityDomen is an accessibility area that contains a resource. use/count quantity Number of resource that was billed during the use interval. Note the billed, myCost, and unitPrice included overage rooms. cost/billingUnit Readable unit of measurement associated with the use/billing in a line. This field is structured as: zlt/count. i.g.a., zlt.com. For example: ONE GiB MONTH DATA, TRANSFERRED. Cost/subscription/unique ID associated with your obligation or subscription. Cost/productSku Part number for resource in line. Product/description Product description for resource in line. Cost/unit Price is billed to you for each unit of resource used. Note the billed, myCost, and unitPrice included overage rooms. Cost/myCost Cost charged for this line of use. myCost is equal to the use/quant account and cost/unitPrice. Note the billed, myCost, and unitPrice included overage rooms. Cost/currencyCode currency code for your rental. Use/quantityover amount of use for which you have been billed. Cost/unitPriceOverage Cost per unit of use for overuse of the resource. Cost/myCostOverage Cost billed for excessive use of the resource. link to lineItem/backReference Data data and links to fixes. If you want to correct an existing line item, you add a new line with corrected values and a link to the original line. Used with lineItem/isCorrection. lineItem/isCorrection is used if the current line is a correction. See the lineItem/backReference column for a link to the corrected line item. The tag/report contains one tag-defining column (includes all tag definitions, not just cost-tracking tags). The usage report is automatically generated daily and stored in a bucket to store Oracle-owned objects. It contains one line per Oracle Cloud Infrastructure resource (such as a storage bucket, VNIC) per hour, along with consumption information, metadata, and tags. Usage reports typically contain 24-hour usage data. Sometimes the usage report may contain late arrival data that is over 24 hours old. Note If you change any cost, you'll change any cost. tags within a certain hour-long time interval, the last cost-tracking tag that's selected, is what applies to that hour. For example, if you changed the tag from AAA to BBB at 10:40 a.m., use for 10:00-11:00 will reflect BBB for tag. In addition, tags cannot be used retroactively. The report may contain corrections. Fixes are added as new lines in the report, with a lineItem/isCorrection column set and a referenceNo value of the corrected line filled in theItem/backReference column. Usage reports are maintained for one year. The file name for each usage report is added with an automatic numerical increase. The following table shows the pattern of the usage report. The line of description of the name of the fieldItem/referenceNo Line ID. Used for debugging and correction. lineItem/TenantId ID (OCID) for Oracle cloud infrastructure tenant. lineItem/intervalUsageStarte the start time of the resource usage interval in UTC. lineItem/intervalUsageEnd The end of the UTC resource use interval. Product/service Service, which is the resource. product/resource Resource Name used by the accounting system. Product/compartmentId Compartment ID that contains the resource. product/coupeM of the compartment that contains the resource. Product/Region Region containing the resource. Product/AccessibilityDomen is an accessibility area that contains a resource. product/resourceIdent for the resource. use/consumption of quantity The amount of resource consumed during the interval of use. use/count quantity Number of resource that was billed during the use interval. use/consumption of quantitynits unit for the amount consumed and billed amount. use/consumptionkantiimesure mera for the amount consumed and billed amount. link to lineItem/backReference Data data and links to fixes. If you want to correct an existing line item, you add a new line with corrected values and a link to the original line. Used with lineItem/isCorrection. lineItem/isCorrection is used if the current line is a correction. See the lineItem/backReference column for a link to the corrected line item. The tag/report contains one tag-defining column (includes all tag definitions, not just cost-tracking tags). To use Oracle's cloud infrastructure, the administrator must give you access to a security policy. This access is necessary whether you're using a console or REST API using SDK, CLI or another tool. If you receive a message that you don't have a permit or you're unauthorised, show the administrator what type of access you have and what compartment you should work in. If you're new in politics, see the following cost and usage reports политики: Разрешить <group_name> группе читать отчет об использовании в аренде </group_name> </group_name> Oracle's cloud infrastructure service integrates with IAM for authentication and authorization, for all interfaces (console, SDK or CLI, and REST API). The administrator in your organization needs to set up groups, compartments, and policies that control which users can access those services, what resources and type of access. For example, policies monitor who can create and manage a cloud network, run instances, create buckets, load objects, etc. For more information see. For more information, see for more information about writing policies for each of the different services see. The administrator can confirm which compartment or compartment you should use. Using.