

Demo Guide: Setup Single Java Cloud Service (Including Storage and Database Service)

Description

For Use By	Oracle Sales / Pre-Sales, Consulting, Product Managers, Solution Managers, etc
Internal/External Consumption	Internal
Target Audience	<ul style="list-style-type: none">• Customer / Partner<ul style="list-style-type: none">○ Architects,○ Development Leads
Demo Duration (Approximate)	Approximately 10 minutes, plus the time needed for Oracle Cloud to provision your service instance. (Provisioning is the process of allocating cloud resources for your service instance.)
Background Knowledge Required/Suggested	<ul style="list-style-type: none">• Maven• WLS architecture• WLST• Git
Related Materials	<ul style="list-style-type: none">• Oracle Public Cloud Services<ul style="list-style-type: none">○ Java Cloud Services○ Database Cloud Services• Git or Downloaded Sources• Java Development Kit 1.8+• Apache Maven 3.2.5+

Feature Overview

Oracle Java Cloud Service is part of the platform service offerings in Oracle Cloud. Powered by Oracle WebLogic Server, it provides a platform on top of Oracle's enterprise-grade cloud infrastructure for developing and deploying new or existing enterprise Java applications. You have the option of adding an Oracle Coherence caching and data grid tier to your deployment.

With Oracle Java Cloud Service, you can quickly create and configure Oracle WebLogic Server instances that are preconfigured to Oracle Database Cloud - Database as a Service, set up your enterprise Java application environment without worrying about the underlying infrastructure, and thus get your application users up and running faster.

Demo Overview

This tutorial tells you how to create Oracle Storage Service, Oracle Database Cloud Service and Oracle Java Cloud Service and instance through the REST based management API interface.

Requirements / Prerequisites

- Windows or Linux operating system
- Computer with 2 GB RAM
- Java Development Kit 1.8+
- Apache Maven 3.2.5
- Git
- A web browser is required for working with Oracle Cloud services. These are the minimum requirements:
 - Microsoft Internet Explorer 9 or 10 with Browser Mode and Document Mode set to IE9 or IE10
 - Mozilla Firefox 24 and later
 - Google Chrome 29 and later
 - Apple Safari 6 and later
- Roles and Credentials - You must have the following roles and credentials:
 - Roles and privileges described in Oracle Cloud User Roles and Privileges in Getting Started with Oracle Cloud
 - Log-in credentials for creating Oracle Java Cloud Service instances and for working with the associated database and storage services.
 - Java Administrator role (This role lets you create Oracle Java Cloud Service instances.)
 - For more information, see About Oracle Java Cloud Service Roles and User Accounts in Using Oracle Java Cloud Service.

Tips

- Use FireFox for the demos.

Demo Steps

Setup & Dependencies

1. Install Java Development Kit and Apache Maven
The SSH connection requires advanced Unlimited Strength Java Cryptography Extension which is not enabled by default due to import control restrictions of some countries. Please [download the necessary extension policy](#) files (local_policy.jar, US_export_policy.jar) and copy it to your <java-home>/lib/security
For detailed information see the instructions attached to policy files.
2. Follow the steps outlined in [WInS - Demo Guides - Setup – Clone Git repository](#) to get the necessary sources ready.
3. [Create your SSH Keys for use with Oracle Cloud Services](#)
4. Environment variables and directories
 - a. This document will refer to the local clone of WInS remote repository as **WINS_SOURCE_REPOSITORY**. Every steps where it is used replace to your location.
 - b. Set JAVA_HOME to point your jdk location. Example:
Windows: set JAVA_HOME=c:\jdk1.8.0_31
Linux: export JAVA_HOME=/usr/java/jdk1.8.0_31
 - c. Add Apache Maven to your PATH variable. In this case it is easier to execute maven. Example:
Windows: set PATH=%PATH%;c:\apache-maven-3.2.5\bin
Linux: export PATH=\$PATH:/usr/apache-maven-3.2.5/bin

Executing the demo

Instead of clicking through all the necessary step on Oracle Cloud Service console the demo uses a custom developed REST client tool to execute necessary management interface calls.

- 1) Prepare the property file which includes every information about OPC access and desired services.
Open the file WINS_SOURCE_REPOSITORY\cloud.demos\environment.properties in your favorite editor.

```
opc.base.url=jaas.oraclecloud.com
opc.identity.domain=jcsdemo027
opc.username=opc_account_username
opc.password=opc_account_password

# Storage information
# Check your generic storage url - see documentation
opc.storage.generic.url=storage.oraclecloud.com
# The name of the container to use by Database and Java Cloud Services
opc.storage.container=wins_container

# SSH key details
# first you need to create your SSH key pair. Use example Putty's Keygen tool - see documentation
ssh.user=ssh_username
# public ssh key in the following format
ssh.public.key=ssh-rsa AAAAB3NzaC1y.....vaPU+vcppMHINDBaPyT6qNIklg+bAJgE8zPerQ== rsa-key-
20150227
ssh.passphrase=ssh_passphrase

# JCS details
jcs.rest.url=/paas/service/jcs/api/v1.1/instances/
jcs.instance.version.1=12.1.3.0.4
jcs.instance.otd.1=true
jcs.instance.1=winstestWLS
jcs.instance.desc.1=winstest instance through REST
jcs.instance.admin.user.1=weblogic
jcs.instance.admin.password.1=Welcome1#

# DBCS details
dbcs.base.url=dbaas.oraclecloud.com
dbcs.rest.url=/paas/service/dbcs/api/v1.1/instances/
dbcs.instance.version.1=12.1.0.2
dbcs.instance.1=winstestDB
dbcs.instance.sid.1=ORCL
dbcs.instance.pdb1.1=PDB1
dbcs.instance.desc.1=winstest db instance through REST
dbcs.instance.usable.storage.1=15

dbcs.dba.name=sys
dbcs.dba.password=Welcome1#
```

- 2) Copy your private key file into the WINS_SOURCE_REPOSITORY\cloud.demos folder and rename to **pk.openssh**.
- 3) Create storage. Open terminal/command prompt and change directory to
WINS_SOURCE_REPOSITORY\cloud.demos
Execute the maven build with the following options:
mvn install -DexecuteCloudUtil -Dgoal=storage-create
The result output should be the following:

```

C:\Windows\System32\cmd.exe
[INFO] Scanning for projects...
[INFO] Reactor Build Order:
[INFO] cloud-api
[INFO] wins-cloud
[INFO] -----
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO] -----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\target\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.pom
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks

main:
[java] Read all properties from file
[java] Selected goal: storage-create
[java] Create storage-----
[java] Executing request GET https://jcsdemo027.storage.oraclecloud.com/auth/v1.0 HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] auth token:AUTH_tkd68afc2425480c851e6aebcc3fdd8e07
[java] storage url:https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027
[java] Output from Server ....
[java]
[java]
[INFO] Executed tasks
[INFO] -----
[INFO] Building wins-cloud 12.1.3.0.0
[INFO] -----
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO] -----
[INFO] Reactor Summary:
[INFO] cloud-api ..... SUCCESS [ 9.716 s]
[INFO] wins-cloud ..... SUCCESS [ 0.021 s]
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 9.866 s
[INFO] Finished at: 2015-10-08T13:47:21+02:00

```

- 4) Check the previously created storage endpoint with the following maven build:
 mvn install -DexecuteCloudUtil -Dgoal=storage-list
 In the list you can see your container (in the example *wins_container*).

```

C:\Windows\System32\cmd.exe
[INFO] -----
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO] -----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\target\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.pom
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: storage-list
[java] List storage endpoints-----
[java] Executing request GET https://jcsdemo027.storage.oraclecloud.com/auth/v1.0 HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] auth token:AUTH_tk31d385a6d0b84175c597c254d0d8e439
[java] storage url:https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027
[java] URI: https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027
[java] Executing request GET https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027 HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] Output from Server ....
[java] wins_container
[java] wins_container
[INFO] Executed tasks
[INFO] -----
[INFO] Building wins-cloud 12.1.3.0.0
[INFO] -----
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO] --- Reactor Summary:
[INFO]
[INFO] cloud-api ..... SUCCESS [ 6.340 s]
[INFO] wins-cloud ..... SUCCESS [ 0.014 s]
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.471 s
[INFO] Finished at: 2015-10-12T18:41:17+02:00
[INFO] Final Memory: 12M/228M
[INFO]

```

5) Create the prerequisite Oracle Database Cloud Service Instance with the following maven build:

```
mvn install -DexecuteCloudUtil -Dgoal=dbcs-create
```

The result output should be the following:

```
C:\Windows\System32\cmd.exe
e:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient>mvn install -DexecuteCloudUtil -Dgoal=dbcs-create
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building RestClient 1.0.0-SNAPSHOT
[INFO] -----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ RestClient ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ RestClient ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ RestClient ---
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\target\RestClient-1.0.0-SNAPSHOT.jar to C:\User
s\pnagy\m2\repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.jar
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\pom.xml to C:\Users\pnagy\m2\repository\com\or
acle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ RestClient ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: dbcs-create
[java] DBCS create instance
[java] https://dbaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027
[java] Response code: 202
[java] Output from server ....
[java]
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.540 s
[INFO] Finished at: 2015-10-05T10:06:15+02:00
[INFO] Final Memory: 13M/228M
[INFO]
```

- 6) Check the previously created instance status with the following maven build:
mvn install -DexecuteCloudUtil -Dgoal=dbcs-get-instance-details
The result output contains information about the requested Database Cloud Service instance (in the example winstestDB).



```

C:\Windows\System32\cmd.exe
c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient>mvn install -DexecuteCloudUtil -Dgoal=dbcs-get-instance-details
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building RestClient 1.0.0-SNAPSHOT
[INFO] -----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ RestClient ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ RestClient ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ RestClient ---
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\target\RestClient-1.0.0-SNAPSHOT.jar to C:\User
s\pnagy\.m2\repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.jar
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\pom.xml to C:\Users\pnagy\.m2\repository\com\or
acle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ RestClient ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: dbcs-get-instance-details
[java] DBCS get specific instance details-----
[java] Auth: <<any realm>@jaas.oraclecloud.com:443=[principal: peter.nagy@oracle.com]
[java] URI: http://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
[java] Executing request GET http://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] Output from Server ....
[java]
[java] {
[java]   "service_name": "winstestDB",
[java]   "version": "12.1.0.2",
[java]   "status": "In Progress",
[java]   "description": "winstest db instance through REST",
[java]   "identity_domain": "jcsdemo027",
[java]   "creation_time": "Mon Oct 5 8:6:12 UTC 2015",
[java]   "last_modified_time": "Mon Oct 5 8:6:12 UTC 2015",
[java]   "created_by": "peter.nagy@oracle.com",
[java]   "service_uri": "https://jaas.oraclecloud.com:443/paas/service/dbcs/api/v1.1/instances/jcsdemo027\
/winstestDB",
[java]   "num_nodes": 0,
[java]   "level": "PAAS",
[java]   "edition": "EE",
[java]   "shape": "oc3",
[java]   "subscriptionType": "MONTHLY",
[java]   "creation_job_id": "358805",
[java]   "num_ip_reservations": 0,
[java]   "backup_destination": "BOTH",
[java]   "cloud_storage_container": "Storage-jcsdemo027/wins_container",
[java]   "failover_database": false,
[java]   "rac_database": false,
[java]   "sid": "ORCL",
[java]   "pdbName": "PDB1",
[java]   "listenerPort": 1521,
[java]   "active_jobs": [
[java]     {
[java]       "active_job_operation": "create-dbaas-service",
[java]       "active_job_id": 358805,
[java]       "active_job_messages": []
[java]     },
[java]     {
[java]       "active_job_operation": "create-db-service",
[java]       "active_job_id": 358806,
[java]       "active_job_messages": []
[java]     }
[java]   ],
[java]   "jaas_instances_using_service": ""
[java] }
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.643 s
[INFO] Finished at: 2015-10-05T10:06:28+02:00
[INFO] Final Memory: 13M/228M
[INFO]

```

When the instance provisioning is ready the detailed information will show *Running* status. Another option is to check the instance readiness on OPC console.

```

C:\Windows\System32\cmd.exe
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ RestClient ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ RestClient ---
[INFO] Installing c:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\target\RestClient-1.0.0-SNAPSHOT.jar to C:\User
s\pnagy\..n2\repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.jar
[INFO] Installing c:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\pom.xml to C:\Users\pnagy\..n2\repository\com\or
acle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ RestClient ---
[INFO] Executing tasks

main:
[java] Read all properties from file
[java] Selected goal: dbcs-get-instance-details
[java] DBCS get specific instance details-----
[java] Auth: <<any realm>@jaas.oraclecloud.com:443=[principal: peter.nagy@oracle.com]>
[java] URI: http://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
[java] Executing request GET http://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] Output from Server ....
[java]
[java] {
[java]   "service_name": "winstestDB",
[java]   "name": "winstestDB",
[java]   "status": "Running",
[java]   "description": "winstest db instance through REST",
[java]   "identity_domain": "jcsdemo027",
[java]   "creation_time": "Mon Oct 5 8:6:12 UTC 2015",
[java]   "last_modified_time": "Mon Oct 5 8:6:12 UTC 2015",
[java]   "created_by": "peter.nagy@oracle.com",
[java]   "service_uri": "https://jaas.oraclecloud.com:443/paas/service/dbcs/api/v1.1/instances/jcsdemo027/
winstestDB",
[java]   "num_nodes": 1,
[java]   "level": "PAAS",
[java]   "edition": "EE",
[java]   "shape": "oc3",
[java]   "subscriptionType": "MONTHLY",
[java]   "creation_job_id": "358805",
[java]   "num_ip_reservations": 1,
[java]   "backup_destination": "BOTH",
[java]   "cloud_storage_container": "Storage-jcsdemo027/wins_container",
[java]   "failover_database": false,
[java]   "rac_database": false,
[java]   "sid": "ORCL",
[java]   "pdbName": "PDB1",
[java]   "listenerPort": 1521,
[java]   "en_url": "https://129.191.0.26:5500/em",
[java]   "connect_descriptor": "winstestDB:1521/PDB1,jcsdemo027.oraclecloud.internal",
[java]   "apex_url": "https://129.191.0.26/apex/pdb1/",
[java]   "glassfish_url": "https://129.191.0.26:4848",
[java]   "dbaasmonitor_url": "https://129.191.0.26/dbaas_monitor",
[java]   "pdbes_url": "https://129.191.0.26/apex/f?p=PDBSS",
[java]   "jaas_instances_using_service": ""
[java] }
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.619 s
[INFO] Finished at: 2015-10-05T11:12:58+02:00
[INFO] Final Memory: 13M/228M
[INFO]

```

7) Now create the Oracle Java Cloud Service Instance with the following maven build:

```
mvn install -DexecuteCloudUtil -Dgoal=jcs-create
```

The result output should be the following:


```

C:\Windows\System32\cmd.exe
e:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos>mvn install -DexecuteCloudUtil -Dgoal=jcs-create
[INFO] Scanning for projects...
[INFO] Reactor Build Order:
[INFO]
[INFO] cloud-api
[INFO] wins-cloud
[INFO]
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\target\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\common\cloud-common-1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: jcs-create
[java] JCS create instance
[java] https://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo02?
[java] Response code: 202
[java] Output from server ....
[java]
[INFO] Executed tasks
[INFO]
[INFO] Building wins-cloud 12.1.3.0.0
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO]
[INFO] Reactor Summary:
[INFO]
[INFO] cloud-api ..... SUCCESS [ 12.784 s]
[INFO] wins-cloud ..... SUCCESS [ 0.030 s]
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 12.926 s
[INFO] Finished at: 2015-10-13T11:26:12+02:00
[INFO] Final Memory: 11M/180M
[INFO]

```

- 8) Check the previously created instance status with the following maven build:
`mvn install -DexecuteCloudUtil -Dgoal=jcs-get-instance-details`
 The result output contains information about the requested Java Cloud Service instance (in the example *winstestWLS*)

```

C:\Windows\System32\cmd.exe
c:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient>mvn install -DexecuteCloudUtil -Dgoal=jcs-get-instance-details
[INFO] Scanning for projects...
[INFO]
[INFO] Building RestClient 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ RestClient ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ RestClient ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ RestClient ---
[INFO] Installing c:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\target\RestClient-1.0.0-SNAPSHOT.jar to C:\User
s\pnagy\m2repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.jar
[INFO] Installing c:\Java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\pom.xml to C:\Users\pnagy\m2repository\com\or
acle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ RestClient ---
[INFO] Executing tasks

main:
[Java] Read all properties from file
[Java] Selected goal: jcs-get-instance-details
[Java] JCS get specific instance details-----
[Java] Auth: <any realm>jaas.oraclecloud.com:443-[principal: peter.nagy@oracle.com]
[Java] URI: http://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/winstestWLS
[Java] Executing request GET http://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/winstestWLS
HTTP/1.1
[Java] Response: HTTP/1.1 200 OK
[Java] Output from Server ...
[Java]
[Java] {
[Java]   "service_name": "winstestWLS",
[Java]   "version": "12cR3",
[Java]   "wlsVersion": "12.1.3.0.4",
[Java]   "status": "In Progress",
[Java]   "error_status_desc": "",
[Java]   "compliance_status": "",
[Java]   "compliance_status_desc": "",
[Java]   "auto_updates": "true",
[Java]   "description": "winstest instance through REST",
[Java]   "identity_domain": "jcsdemo027",
[Java]   "creation_time": "Mon Oct 5 9:16:34 UTC 2015",
[Java]   "last_modified_time": "Mon Oct 5 9:16:32 UTC 2015",
[Java]   "created_by": "peter.nagy@oracle.com",
[Java]   "service_uri": "https://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/wins
testWLS"
[Java]   "domain_name": "winstestWLS_domain",
[Java]   "domain_mode": "PRODUCTION",
[Java]   "cluster_name": "winstestWLS_cluster",
[Java]   "num_nodes": 2,
[Java]   "level": "PAAS",
[Java]   "subscription_type": "HOURLY",
[Java]   "edition": "EE",
[Java]   "shape": "oc3",
[Java]   "otd_provisioned": "yes",
[Java]   "otd_shape": "oc3",
[Java]   "otd_storage_size": 40960,
[Java]   "service_components": [
[Java]     {
[Java]       "type": "JDK",
[Java]       "version": "1.7.0_85"
[Java]     },
[Java]     {
[Java]       "type": "OTD",
[Java]       "version": "11.1.1.9.0"
[Java]     },
[Java]     {
[Java]       "type": "OTD_JDK",
[Java]       "version": "1.7.0_85"
[Java]     },
[Java]     {
[Java]       "type": "WLS",
[Java]       "version": "12.1.3.0.4"
[Java]     }
[Java]   ],
[Java]   "creation_job_id": "358905",
[Java]   "deletion_job_id": 0,
[Java]   "db_info": "winstestDB:1521//PDB1.jcsdemo027.oraclecloud.internal",
[Java]   "db_service_name": "winstestDB"
[Java] }
[INFO] Executed tasks
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.482 s
[INFO] Finished at: 2015-10-05T11:17:20+02:00
[INFO] Final Memory: 13M/228M
[INFO]

```

Please note the `creation_job_id` to get further details about the provisioning status with the following maven build:
`mvn install -DexecuteCloudUtil -Dgoal=jcs-get-job-details -Djob.id=THE_JOB_ID_FROM_DETAILS`
 You should see detailed information about the requested Java Cloud Service instance (in the example *winstestWLS*).

```

C:\Windows\System32\cmd.exe
c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient>mvn install -DexcecuteCloudUtil -Dgoal=jcs-get-job-details -Djob.id=358905
[INFO] Scanning for projects...
[INFO]
[INFO] Building RestClient 1.0.0-SNAPSHOT
[INFO]
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ RestClient ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ RestClient ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ RestClient ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ RestClient ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ RestClient ---
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\target\RestClient-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.jar
[INFO] Installing c:\java\workspaces\oepe.12.1.3.4.cloud.wins\RestClient\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\RestClient\1.0.0-SNAPSHOT\RestClient-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ RestClient ---
[INFO] Executing tasks

main:
[java] Read all properties from file
[java] Selected goal: jcs-get-job-details
[java] JCS get specific instance creation details
[java] Auth: <<any realm>>jaas.oraclecloud.com:443=[principal: peter.nagy@oracle.com]
[java] URI: http://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/status/create/job/358905
[java] Executing request GEI http://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/status/create/job/358905 HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] Output from Server ....
[java]
[java] {
[java]   "service_name": "winstestWLS",
[java]   "version": "12cR3",
[java]   "wlsVersion": "12.1.3.0.4",
[java]   "status": "Running",
[java]   "error_status_desc": "",
[java]   "compliance_status": "",
[java]   "compliance_status_desc": "",
[java]   "auto_update": "true",
[java]   "description": "winstest instance through REST",
[java]   "identity_domain": "jcsdemo027",
[java]   "creation_time": "Mon Oct 5 9:16:34 UTC 2015",
[java]   "last_modified_time": "Mon Oct 5 9:16:32 UTC 2015",
[java]   "created_by": "peter.nagy@oracle.com",
[java]   "service_uri": "https://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/wins
testWLS",
[java]   "message": [
[java]     "Created Compute resources for WebLogic Server...",
[java]     "Created security resources for the service...",
[java]     "Started all Compute resources...",
[java]     "Established SSH connectivity to WebLogic Administration Server...",
[java]     "WebLogic Administration Server Configuration completed...",
[java]     "WebLogic Managed Servers Configuration completed...",
[java]     "Configuration check for Host [winstestwls-wls-1] containing WebLogic Managed Server(s) [winstest_s
erver_1] completed...",
[java]     "Successfully provisioned WebLogic Administration Server and 1 Managed Servers...",
[java]     "Service Reachability Check (SRC) of WebLogic Administration Server completed...",
[java]     "Service Reachability Check (SRC) of WebLogic Managed Server(s) [winstest_server_1] completed...",
[java]     "Established SSH connectivity to Load Balancer...",
[java]     "Configured Load Balancer...",
[java]     "Service Reachability Check (SRC) of Load Balancer completed..."
[java]   ]
[java] }
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 7.387 s
[INFO] Finished at: 2015-10-05T11:44:01+02:00
[INFO] Final Memory: 13M/228M
[INFO]

```

Once the provisioning is ready the status will change to *Running* and available for usage. You can also check the instance status on the Oracle Public Cloud Console. Select Java Cloud Service dashboard.

Delete Service Instances

The REST API is also useful to easily remove resources.

1. Because of dependency we have to remove resources in the reverse order. So first delete the Java Cloud Service instance with the following command:
`mvn install -DexcecuteCloudUtil -Dgoal=jcs-delete`

```

C:\Windows\System32\cmd.exe
c:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos>mvn install -DexecuteCloudUtil -Dgoal=jcs-delete
[INFO] Scanning for projects...
[INFO] Reactor Build Order:
[INFO]
[INFO] cloud-api
[INFO] wins-cloud
[INFO] websockets-examples
[INFO]
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\cloud-common\1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\cloud-common-1.0.0-SNAPSHOT.pom to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\cloud-common\1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: jcs-delete
[java] JCS delete instance
[java] https://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/winstestWLS
[java] Output from Server ...
[java]
[java] {"service_name":"winstestWLS2","version":"12cR3","wlsVersion":"12.1.3.0.4","status":"Terminating","error_status_desc":"","compliance_status":"","compliance_status_desc":"","auto_update":"true","description":"winstest instance through REST","identity_domain":"jcsdemo027","creation_time":"Tue Oct 20 15:28:48 UTC 2015","last_modified_time":"Tue Oct 20 15:28:46 UTC 2015","created_by":"peter.nagy@oracle.com","service_uri":"https://jaas.oraclecloud.com/paas/service/jcs/api/v1.1/instances/jcsdemo027/winstestWLS2"}
[java]
[INFO] Executed tasks
[INFO]
[INFO] Building wins-cloud 12.1.3.0.0
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO]
[INFO] Building websockets-examples 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ websockets-examples ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ websockets-examples ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ websockets-examples ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ websockets-examples ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ websockets-examples ---
[INFO] Installing C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\websockets-examples\target\websockets-examples.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\websockets\examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos\websockets-examples\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\websockets\examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] Reactor Summary:
[INFO]
[INFO] cloud-api ..... SUCCESS [ 9.499 s]
[INFO] wins-cloud ..... SUCCESS [ 0.015 s]
[INFO] websockets-examples ..... SUCCESS [ 0.733 s]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 10.390 s
[INFO] Finished at: 2015-10-26T16:20:49+01:00
[INFO] Final Memory: 13M/180M
[INFO]
c:\Java\git.repos\webllogic-innovation-seminars.cloud\cloud.demos>

```

- When the delete of Java Cloud Service instance is ready execute the following goal to delete the Database Cloud Service instance.

```
mvn install -DexecuteCloudUtil -Dgoal=dbcs-delete
```



```

C:\Windows\System32\cmd.exe
c:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos>mvn install -DexecuteCloudUtil -Dgoal=dbcs-delete
[INFO] Scanning for projects...
[INFO] Reactor Build Order:
[INFO] cloud-api
[INFO] wins-cloud
[INFO] websockets-examples
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\cloud-common-1.0.0-SNAPSHOT.pom to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\cloud-common-1.0.0-SNAPSHOT.pom
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: dbcs-delete
[java] DBCS delete instance
[java] https://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
[java] URI: https://jaas.oraclecloud.com/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB
[java] HTTP response code: 202
[java] Output from Server ....
[java]
[java] {"service_name":"winstestDB","version":"12.1.0.2","status":"Terminating","description":"winstest db instance through REST","identity_domain":"jcsdemo027","creation_time":"Mon Oct 12 8:55:14 UTC 2015","last_modified_time":"Mon Oct 12 8:55:14 UTC 2015","created_by":"peter.nagy@oracle.com","service_uri":"https://jaas.oraclecloud.com:443/paas/service/dbcs/api/v1.1/instances/jcsdemo027/winstestDB"}
[INFO] Executed tasks
[INFO] Building wins-cloud 12.1.3.0.0
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO] Building websockets-examples 1.0.0-SNAPSHOT
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\main\resources
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ websockets-examples ---
[INFO] No sources to compile
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ websockets-examples ---
[INFO] No sources to compile
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ websockets-examples ---
[INFO] Tests are skipped.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ websockets-examples ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO] --- maven-install-plugin:2.4:install (default-install) @ websockets-examples ---
[INFO] Installing C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\target\websockets-examples.jar to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\websockets\examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\pom.xml to C:\Users\pnagy\.m2\repository\com\oracle\wins\cloud\websockets\examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.pom
[INFO] Reactor Summary:
[INFO] cloud-api ..... SUCCESS [ 5.279 s]
[INFO] wins-cloud ..... SUCCESS [ 0.009 s]
[INFO] websockets-examples ..... SUCCESS [ 0.332 s]
[INFO] BUILD SUCCESS
[INFO] Total time: 5.754 s
[INFO] Finished at: 2015-10-26T16:35:29+01:00
[INFO] Final Memory: 14M/228M
c:\Java\git_repos\weblogic-innovation-seminars.cloud\cloud.demos>

```

3. Finally delete the storage which was created for these services.

```
mvn install -DexecuteCloudUtil -Dgoal=storage-list
```

Please be patient it can take some time to delete all of the objects before deleting the storage container itself.


```
C:\Windows\System32\cmd.exe
C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos>mvn install -DexecuteCloudUtil -Dgoal=storage-delete
[INFO] Scanning for projects...
[INFO]
[INFO] Reactor Build Order:
[INFO]
[INFO] cloud-api
[INFO] wins-cloud
[INFO] websockets-examples
[INFO]
[INFO] Building cloud-api 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cloud-common ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cloud-common ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ cloud-common ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ cloud-common ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ cloud-common ---
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\target\cloud-common-1.0.0-SNAPSHOT.jar to C:\Users\npagny\.m2\repository\com\oracle\wins\cloud\cloud-common-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\common\pom.xml to C:\Users\npagny\.m2\repository\com\oracle\wins\cloud\cloud-common-1.0.0-SNAPSHOT\cloud-common-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-antrun-plugin:1.8:run (first) @ cloud-common ---
[INFO] Executing tasks
main:
[java] Read all properties from file
[java] Selected goal: storage-delete
[java] Delete storage endpoints
[java] Executing request GET https://jcsdemo027.storage.oraclecloud.com/auth/v1.0 HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] auth token: A0TH1_k07a25c5dbadb2e7b704c6e437bd7a73f
[java] storage url:https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027
[java] URI: https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027/wins_container
[java] Executing request GET https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027/wins_container HTTP/1.1
[java] Response: HTTP/1.1 200 OK
[java] Objects query: file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-00/GLH1404garh3/0000000001
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-00/GLH1404garh3/metadata.xml
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-01/xHwm38PtN9U/0000000001
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-01/xHwm38PtN9U/metadata.xml
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-02/Fmvs31zWbWHg/0000000001
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-02/Fmvs31zWbWHg/metadata.xml
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-00/80hao7Y2awzI/0000000001
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-00/80hao7Y2awzI/metadata.xml
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-01/NjkkYg0DxhE/0000000001
[java] file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-01/NjkkYg0DxhE/metadata.xml
[java] ...and more
[java] Prepared for bulk-delete: wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-00/GLH1404garh3/0000000001
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-00/GLH1404garh3/metadata.xml
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-01/xHwm38PtN9U/0000000001
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-01/xHwm38PtN9U/metadata.xml
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-02/Fmvs31zWbWHg/0000000001
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151012-02/Fmvs31zWbWHg/metadata.xml
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-00/80hao7Y2awzI/0000000001
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-00/80hao7Y2awzI/metadata.xml
[java] wins_container/file_chunk/1420671456/ORCL/backuppice/2015-10-13/c-1420671456-20151013-01/NjkkYg0DxhE/0000000001
[java] ...and more
[java] URI: https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027/?bulk-delete
[java] HTTP response code: 200
[java] FAILED check the error : HTTP error code : 200
[java] Reason: OK
[java] Response to object delete ....
[java]
[java]
[java]
[java]
[java] Number Deleted: 2608
[java] Number Not Found: 0
[java] Response Body:
[java] Response Status: 200 OK
[java] Errors:
[java]
[java] URI: https://storage.us2.oraclecloud.com/v1/Storage-jcsdemo027/wins_container
[java] HTTP response code: 204
[java] Output from Server ....
[java]
[java]
[INFO] Executed tasks
[INFO]
[INFO] Building wins-cloud 12.1.3.0.0
[INFO]
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ wins-cloud ---
[INFO] Installing c:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\pom.xml to C:\Users\npagny\.m2\repository\com\oracle\wins\cloud\wins-cloud\12.1.3.0.0\wins-cloud-12.1.3.0.0.pom
[INFO]
[INFO] Building websockets-examples 1.0.0-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ websockets-examples ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ websockets-examples ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ websockets-examples ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ websockets-examples ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ websockets-examples ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ websockets-examples ---
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\target\websockets-examples.jar to C:\Users\npagny\.m2\repository\com\oracle\wins\cloud\websockets-examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.jar
[INFO] Installing C:\Java\git.repos\weblogic-innovation-seminars.cloud\cloud.demos\websockets-examples\pom.xml to C:\Users\npagny\.m2\repository\com\oracle\wins\cloud\websockets-examples\1.0.0-SNAPSHOT\websockets-examples-1.0.0-SNAPSHOT.pom
[INFO]
[INFO] Reactor Summary:
[INFO]
[INFO] cloud-api ..... SUCCESS [0:09 min]
[INFO] wins-cloud ..... SUCCESS [ 0.007 s]
[INFO] websockets-examples ..... SUCCESS [ 0.453 s]
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 03:09 min
[INFO] Finished at: 2015-10-26T16:51:36+01:00
[INFO] Final Memory: 14M/228M
```

Wrap up / Overview

The WInS cloud tool makes the provisioning, delete easier and faster. Instead of getting REST client tool and/or clicking through the console wizard the instance creation is much easier and less error proning.

Available goals

- storage-list
- storage-get-details
- storage-create
- storage-delete
- jcs-create
- jcs-delete
- dbcs-create
- dbcs-delete
- jcs-get-instance-details
- dbcs-get-instance-details
- jcs-get-job-details -Djob.id=X