Oracle Business Intelligence Publisher on Java Cloud Services
Oracle BI Publisher on Java Cloud Service

Highlights

- Like any other Java Application, BI Publisher can be deployed on the WebLogic Server on JCS
- Flexibility to scale up on demand by selecting Compute Shape (OCPUs, Memory, Storage)
- Supports Virtual Image Option
- Leverage BI Publisher on-premise license in Oracle Public Cloud
Deploying BI Publisher on JCS
Steps on Cloud Dashboard Page

1. Create DBaaS instance

   ![DBaaS instance creation](image-url)
Deploying BI Publisher on JCS

Steps on Cloud Dashboard Page

- Use **Oracle Database Cloud Service – Virtual Image** Option with **Oracle Database 11g Release 2**
Deploying BI Publisher on JCS
Steps on Cloud Dashboard Page

1. Create Database Cloud Service Instance
2. Select Software Edition
   - Enterprise Edition
3. Provide Service Details
   - Service Name
   - Description
   - Shape
4. Confirm Details
5. Complete Provisioning
Deploying BI Publisher on JCS
Steps on Cloud Dashboard Page

2. Create JCS instance

**NOTE:** To create an Oracle Java Cloud Service instance, use the REST API for Oracle Java Cloud Service.

Do not use the JCS UI to create the instance.

The Wizard does not allow an option to specify the MWHOME partition size, whereas REST API allows us to specify this. The default size created by the Wizard is generally insufficient for BI Publisher deployments. The GUI shown here is only to demonstrate the JCS instance creation.

Check the steps in Oracle By Example Tutorial under "Setting up your environment", "Creating an Oracle Java Cloud Service instance" to create JCS instance using REST API.
Deploying BI Publisher on JCS

Steps on Cloud Dashboard Page

✓ Use **Oracle Java Cloud Service – Virtual Image Option**

**Note**

- It will not support Backup & Restoration
- No automatic patching and upgrades

Check the steps in Oracle By Example Tutorial under "Setting up your environment", "Creating an Oracle Java Cloud Service instance" to create JCS instance using REST API
Deploying BI Publisher on JCS

Steps on Cloud Dashboard Page

✓ Select **Oracle WebLogic Server 11g (11.1.1.7)**

Check the steps in Oracle By Example Tutorial under "Setting up your environment", "Creating an Oracle Java Cloud Service instance" to create JCS instance using REST API
Deploying BI Publisher on JCS

Steps on Cloud Dashboard Page

Check the steps in Oracle By Example Tutorial under "Setting up your environment", "Creating an Oracle Java Cloud Service instance" to create JCS instance using REST API.
Deploying BI Publisher on JCS

Steps on Disk (File System)

1. **Set up RCU on DBaaS**
   - Copy RCU
   - Run RCU

2. **Install BI Publisher**
   - Copy BI Installer in JCS instance
   - Run Installer
   - Use Software Only install

3. **Configure BI Publisher**
   - Extend Weblogic Domain
   - Configure Policy Store
   - Configure JMS
   - Configure Security
BI Publisher on JCS

Certification Details

• Certification Information for BI Publisher 11.1.1.9 against the products on Cloud:
  – JCS and DBaaS on Oracle Linux 6.4  (Certified)
  – Weblogic 10.3.6  (Certified)
  – DBaaS on Oracle Database 11.2.0.4  (Certified)
  – FMW 11.1.1.7  (Certified)
Sizing Guidelines for BI Publisher on JCS

Concurrent User Scenario

1 OCPU on JCS can execute

2500 Small Reports (2 Pages)
500 Medium Reports (25 Pages)
100 Large Reports ( > 100 pages)

OR

1 OCPU on JCS can execute

2500 Small Reports (2 Pages)
500 Medium Reports (25 Pages)
50 Large Reports ( > 100 pages)
1 Extremely Large Report ( > 100,000 rows)
Sizing Guidelines for BI Publisher on JCS

Bursting Scenario

1 OCPU on JCS can execute

10000 Reports in 60 minutes with
70% small reports (10 pages)
21% medium reports (50 pages)
9% large reports (over 100 pages)
Sizing Guidelines for BI Publisher on JCS

Storage Space

Storage Space will be required to manage Repository and Temporary Space allocation for Report Generation, JMS, etc.

A generic best practices recommendation is to include:
• A minimum of 20 GB of Disk Space for Repository, and
• A minimum of 1 GB of Temporary Space for Report Generation and JMS.
BI Publisher on JCS

For additional information:

• Oracle By Example (Provisioning Oracle Business Intelligence Publisher on Oracle Java Cloud Service):

• JCS Certification Link:

• Oracle Database Cloud Service (DBaaS) :
  https://cloud.oracle.com/database

• Oracle Java Cloud Service (JCS):
  https://cloud.oracle.com/java

• Oracle Cloud Storage Service:
  https://cloud.oracle.com/storage