Oracle® Cloud

Migrating Oracle Data Integrator Cloud Instances to Oracle Cloud Infrastructure

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Oracle Cloud Migrating Oracle Data Integrator Cloud Instances to Oracle Cloud Infrastructure,

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Contents

Abstract

Documentation that describes how to migrate Oracle Data Integrator Cloud instances to Oracle Cloud Infrastructure.

Preface

Topics

Audience

Migrating Oracle Data Integrator Cloud Instances to Oracle Cloud Infrastructure Guide is intended for administrators who are going to be performing the migration.

Documentation Accessibility

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

See these Oracle resources:

- Getting Started with Oracle Cloud
- Oracle Public Cloud

  http://cloud.oracle.com

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About Migrating to Oracle Cloud Infrastructure

Learn about migrating Oracle Data Integrator Cloud to Oracle Cloud Infrastructure

Topics:

Why Migrate to Oracle Cloud Infrastructure

Oracle encourages you to migrate your existing cloud resources from Oracle Cloud Infrastructure Classic regions. You can gain several advantages by doing so.

In Oracle Cloud, you provision resources in specific regions, which are localized to geographic locations. A region supports either the Oracle Cloud Infrastructure Classic or Oracle Cloud Infrastructure platform.

Oracle Cloud Infrastructure is Oracle's more modern infrastructure platform that's based on the latest cloud technologies and standards. It typically provides better performance than Oracle Cloud Infrastructure Classic. Oracle Cloud Infrastructure also has more predictable pricing and lower costs in terms of Oracle Compute Units (OCPUs) per hour. Most importantly, Oracle continues to invest in Oracle Cloud Infrastructure, including the addition of new regions, services, and features. See Data Regions for Platform and Infrastructure Services.

You can benefit from these additional administrative features in Oracle Cloud Infrastructure when you migrate your cloud resources from Oracle Cloud Infrastructure Classic:

- Organize cloud resources into a hierarchy of logical compartments.
- Create fine-grained access policies for each compartment.

About the Migration Scope

Learn about the scope of migrating Oracle Data Integrator Cloud to Oracle Cloud Infrastructure.

This guide focuses on Oracle Data Integrator Cloud to Oracle Service on OCI Classic as the source service. There are two options for the target service. The first is to have Oracle Data Integrator Cloud to Oracle Service running on OCI, the second is Oracle Data Integrator running on a Compute instance.

About Oracle Cloud Infrastructure

Get familiar with basic Oracle Cloud Infrastructure security, network, and storage concepts, and their equivalent concepts in Oracle Cloud Infrastructure Classic.

Cloud resources in Oracle Cloud Infrastructure are created in logical compartments. You also create fine-grained policies to control access to the resources within a compartment.

You create instances within an Oracle Cloud Infrastructure region. You also specify an availability domain (AD), if supported in the selected region. Oracle Cloud Infrastructure Classic does not use availability domains.

A virtual cloud network (VCN) is comprised of one or more subnets, and an instance is assigned to a specific subnet. In Oracle Cloud Infrastructure Classic, you assign instances to IP networks or the shared network. Typically, you create one subnet for the shared network, and create a separate subnet for each IP network in Oracle Cloud Infrastructure Classic. Note that unlike Oracle Cloud Infrastructure Classic, Oracle Cloud Infrastructure does not allow you to reserve IP addresses for platform services.

A subnet's security lists permit and block traffic to and from specific IP addresses and ports. In Oracle Cloud Infrastructure Classic, an instance's access rules provide similar capabilities, although security lists are configured at the subnet level.

Instances can communicate with resources outside of Oracle Cloud by using Oracle Cloud Infrastructure FastConnect, which provides a fast, dedicated connection to your on-premises network. This service is equivalent to Oracle Cloud Infrastructure FastConnect Classic. Alternatively, use IPSec VPN in Oracle Cloud Infrastructure as a replacement for VPN as a Service (VPNaaS) or Corente in Oracle Cloud Infrastructure Classic.

A bucket in Oracle Cloud Infrastructure Object Storage can be used to store files and share them with multiple instances. A user's generated authentication token (auth token) is required to access the bucket. Oracle Cloud Infrastructure Object Storage Classic provides the same service in Oracle Cloud Infrastructure Classic, but does not use auth tokens.

To learn more, see Key Concepts and Terminology in the Oracle Cloud Infrastructure documentation.

About the Migration Task Flow

Learn about the flow of the task of migrating Oracle Data Integrator Cloud to Oracle Service from OCI Classic to OCI.

There are six steps to migrating Oracle Data Integrator Cloud (ODICS) to Oracle Cloud Infrastructure (OCI). There are no scripts or tools to assist you. The steps are:

1. Export the Oracle Data Integrator (ODI) repository meta data from the ODICS instance on OCI Classic.
2. Create the target ODICS configuration on OCI, or the target ODI configuration running on a Compute instance.
3. Import the (exported) repository meta data exported from step 1 into the target of ODICS on OCI or ODI on Compute.

4. Configure the new instance on the target environment.
5. Test the new instance.
6. Delete the original ODICS instance on OCI-C.

About the Migration Tooling

Learn about any tooling to help you with the migration

There is no tooling to automate the migration; you follow manual steps to perform the migration.

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Prepare to Migrate Oracle Data Integrator to Oracle Cloud Infrastructure

Learn about the steps to prepare to migrate Oracle Data Integrator Cloud to Oracle Cloud Infrastructure

Topics:

Export the Master and Work Repositories from Oracle Data Integrator Cloud to Oracle Service instance on OCI Classic

Learn how to export the master and work repositories from Oracle Data Integrator Cloud to Oracle Service instance on OCI Classic.

Use ODI Studio to export the master and work repositories from the source instance. Download them to a server or machine from where they can easily be uploaded to the target instance.

> **Note:**
>
> Running ODI Studio on-premises on your local laptop or desktop and connecting to the ODICS environment is not supported. You must connect to ODI Studio running on Compute or JCS using VNC or a Remote Desktop connection.

Exporting and Importing the Master Repository

Exporting and Importing a Work Repository

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Create the Required Resources in Oracle Cloud Infrastructure

Learn how to create the required resources in Oracle Cloud Infrastructure, either Oracle Data Integrator Cloud to Oracle Service on OCI, or install Oracle Data Integrator on a Compute instance.

Topics:

Create an Instance of Oracle Data Integrator Cloud Service on OCI

Learn how to create an instance of Oracle Data Integrator Cloud Service on OCI.

Provision a new Java Cloud Service instance in an OCI data center then install and configure Oracle Data Integrator within it (including creating the repositories with the Repository Creation Utility) to create an instance of Oracle Data Integrator Cloud Service.

1. Before creating your target instance, create new Oracle Cloud Infrastructure compartments, virtual cloud network (VCN), and subnets for your instance, or use existing ones that were created previously: Prerequisites for Oracle Platform Services
2. Provision the database to use with Oracle Data Integrator Cloud: Create a Database
3. Create and configure a Java Cloud Service, install Oracle Data Integrator, and create the master and work repositories within it for either a:
    a. single instance: Provisioning and Accessing Oracle Data Integrator Cloud Service Instance
    b. clustered instance: Provisioning and Accessing the Clustered Oracle Data Integrator Cloud Instance

> **Note:**
>
> The Java Cloud Instance domain is updated in a later chapter, so do not follow the instructions beyond creating the master and work repositories.

Install Oracle Data Integrator on a Compute Instance

Learn how to install Oracle Data Integrator on a Compute instance.

1. Follow the instructions to install Oracle Data Integrator on-premises to install it on a Compute instance: Installing the PRODUCT Software
2. Then create the repositories: Creating the Master and Work Repository Schemas

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Migrate Your Oracle Data Integrator Cloud Instances to Oracle Cloud Infrastructure

Learn how to migrate your Oracle Data Integrator Cloud instances to Oracle Cloud Infrastructure

Topics:

Import Master and Work Repositories

Learn how to import the master and work repositories you exported from ODICS on OCI Classic, into your new ODICS on OCI, or ODI on Compute instance.

Use ODI Studio to import the master and work repositories into your new instance.

> **Note:**
>
> Running ODI Studio on-premises on your local laptop or desktop and connecting to the ODICS environment is not supported. You must connect to ODI Studio running on Compute or JCS using VNC or a Remote Desktop connection.

Exporting and Importing the Master Repository

Exporting and Importing a Work Repository

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Complete the Post-Migration Tasks

Learn about the post-migration tasks for Oracle Data Integrator Cloud.

Topics:

Create the Required Resources in Oracle Cloud Infrastructure

Follow these steps to create the required Oracle Data Integrator resources in Oracle Cloud Infrastructure

Modify the data servers accordingly if the source or target configuration is different in the new environment: Setting Up the Topology.

Add any libraries (new JDBC drivers for example) that existed in the OCI-C environment to the new environment: Configuring Oracle Data Integrator Studio.

Configure the domain according to which agent you use:

- Configuring the Domain for the Standalone Agent
- Configuring the Domain for a Standalone Collocated Agent
- Configuring the Domain for the Java EE Agent

After you configure a product domain, there are additional tasks that you might want to perform: Next Steps After Configuring the Domain

Test the Migrated Service Instance

Learn how to test the migrated Oracle Data Integrator Cloud service.

Once you have configured your new environment, you must test it to make sure it performs to your expectations and requirements.

Clean Up the Infrastructure and Platform Resources in Oracle Cloud Infrastruture Classic

Learn how to clean up the infrastructure and platform resources you used in Oracle Cloud Infrastructure Classic for ODICS.

Once you have completed testing the new environment to your satisfaction, you can start using it. There is then no need to retain ODICS on OCI Classic. You should clean up its infrastructure and platform resources.

Uninstalling or Reinstalling PRODUCT