

# Lab1: Provisioning an Autonomous Transaction Processing Database

Oracle Autonomous Transaction Processing delivers a self-driving, self-securing, self-repairing database service that can instantly scale to meet demands of mission critical transaction processing and mixed workload applications.

You shall register for the free trial account (link shall be shared by AIOUG) and provision the Autonomous Transaction Processing Database to attend any of the Hands-On-Lab Session.

- ✓ Oracle Autonomous Database Hands-On Workshop for Developers
- ✓ Oracle Autonomous Database Hands-On Workshop for DBAs

## Key Objectives

- ⇒ Learn how to sign-in to the Oracle Public Cloud
- ⇒ Learn how to provision a new ATP database

## Step1: Sign in Oracle Cloud Infrastructure Console

Get Cloud Account Details from EMAIL if you don't remember what you have used during SignUp process.

**Oracle Cloud Autonomous Data Management**  
Thinking of Data management? Have you heard about the new Oracle Autonomous Database offering from Oracle Cloud? Oracle Autonomous Database is a new category of database services unique to Oracle Cloud, which will forever change how you think about data management. For more information, check out [Autonomous Transaction Processing](#) or [Autonomous Data Warehouse](#).

### Access Details

Username: [REDACTED] [Get Started with Oracle Cloud](#)

Temporary Password: Rb56qpovtdkc  
(if you have not yet reset your password)

Cloud Account: autonomousx2

Go to Oracle Cloud Login Page: [https://cloud.oracle.com/en\\_US/sign-in](https://cloud.oracle.com/en_US/sign-in) and give Tenancy Name. Click Next.

ORACLE Cloud Contact Chat English

Applications Platform Infrastructure Reso

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Account ?

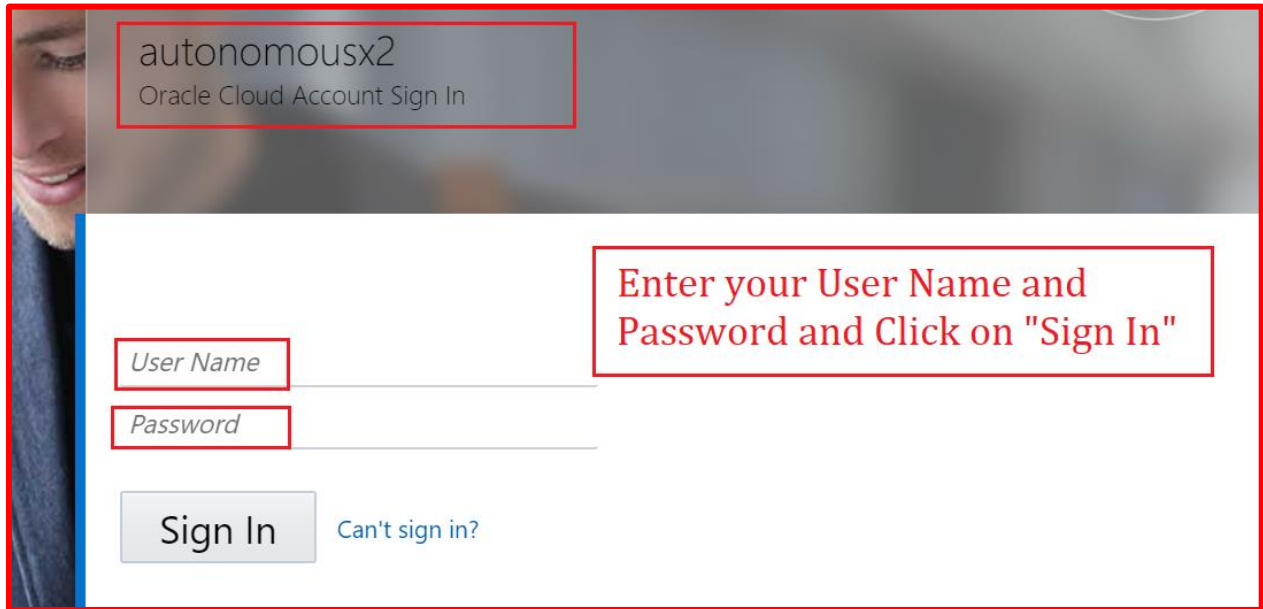
autonomousx2 ←

Next

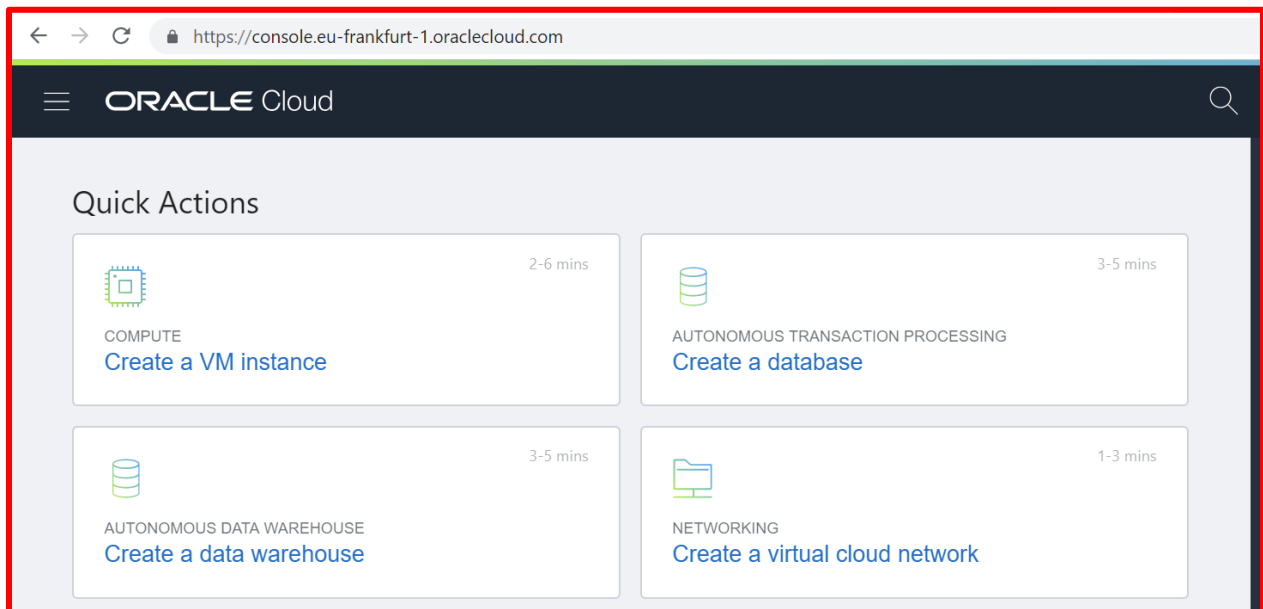
Sign In using Traditional Cloud Account

Need help logging in? [Click here](#)

You need to login using your temporary password and change the password in your first login attempt.

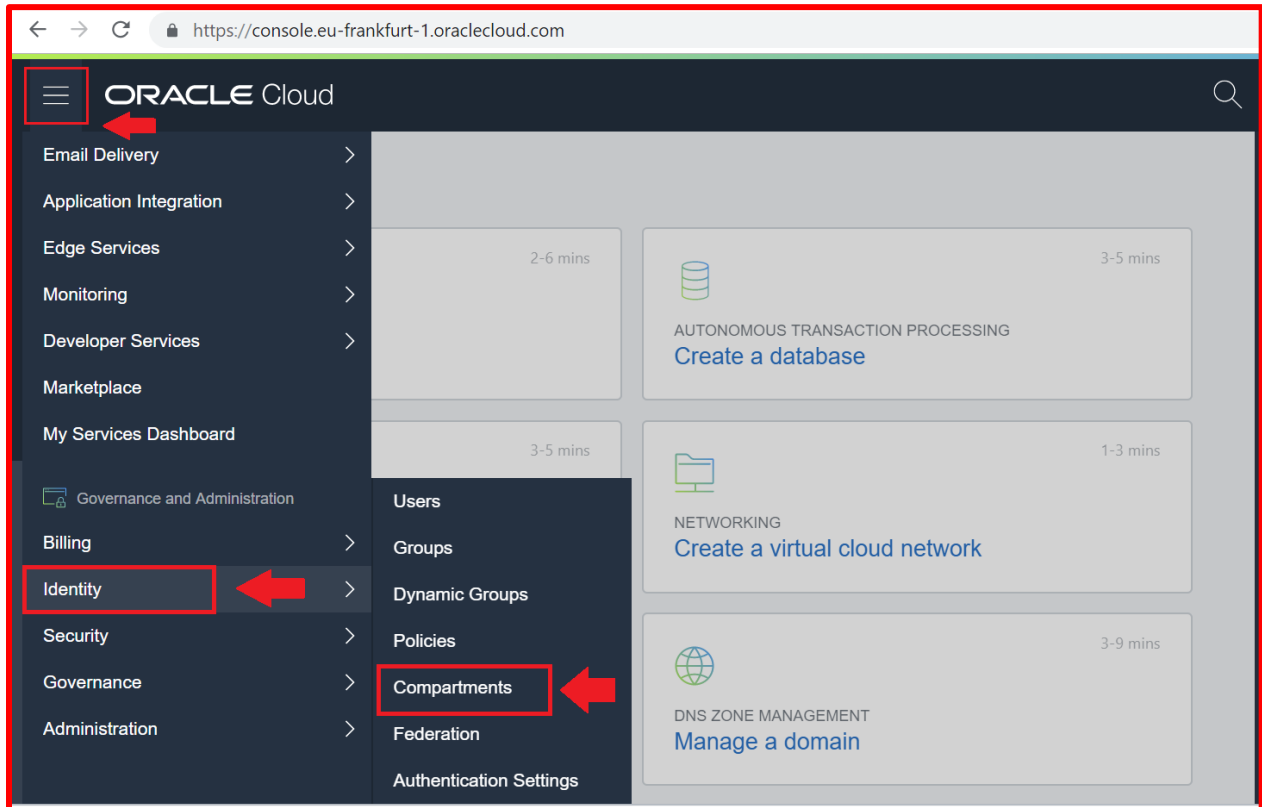


It shall take you to the Oracle Cloud Infrastructure Console Home Page, as shown in the below screenshot.




## Step2: Create a Compartment




Navigation: Menu → Identity → Compartments



Click on "Create Compartment" as shown in below screen.

### Compartments

[Create Compartment](#) 

Name	Status	OCID	Authorized	Subcompartments	Created	
<a href="#">autonomousx2 (root)</a>	● Active	...liq2la	No	4	-	⋮
	● Active	...hksnfg	Yes	0	Sat, 04 May 2019 06:44:02 GMT	⋮
	● Active	...qfv4mq	Yes	0	Sun, 05 May 2019 06:24:34 GMT	⋮
	● Active	...twmfra	Yes	0	Tue, 30 Apr 2019 10:13:29 GMT	⋮
<a href="#">ManagedCompartmentForPaaS</a>	● Active	...s414tq	Yes	0	Tue, 30 Apr 2019 10:09:44 GMT	⋮

Showing 5 Item(s) < Page 1 >

Enter Compartment Name and Description in "Create Compartment" Screen.

### Create Compartment

[help](#) [cancel](#)


NAME Give it a Name

DESCRIPTION Give it a Description

PARENT COMPARTMENT

Click on "Create Compartment" at the end of the screen.

TAGS

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values which can be attached to resources.

[Learn more about tagging](#)

TAG NAMESPACE	KEY	VALUE	OPTIONAL
No namespace (Free-Forr ↕)	<input type="text"/>	<input type="text"/>	

←

## Let's Talk about Tagging a Little

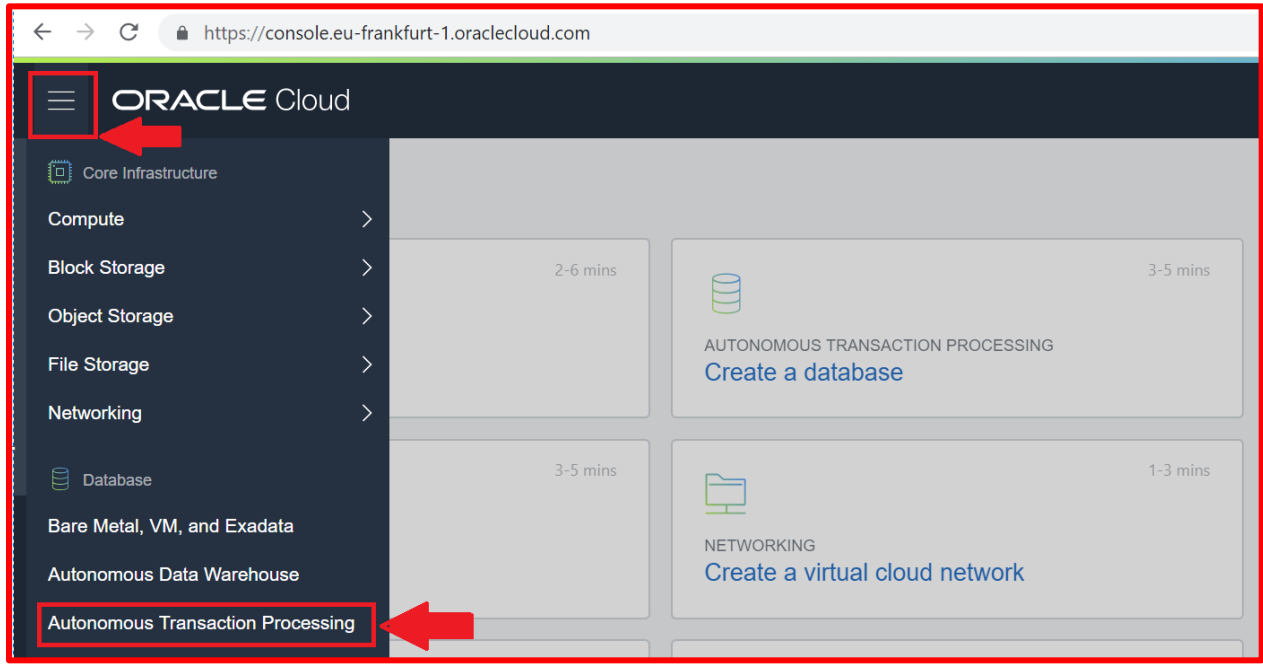
Managing Tags and Tag Namespaces: When you have many resources (for example, instances, VCNs, load balancers, and block volumes) across multiple compartments in your tenancy, it can become difficult to track resources used for specific purposes, or to aggregate them, report on them, or take bulk actions on them. Tagging allows you to define keys and values and associate them with resources. You can then use the tags to help you organize and list resources based on your business needs.

You can find further details on Tagging from Oracle Documentation:

<https://docs.cloud.oracle.com/iaas/Content/Identity/Concepts/taggingoverview.htm>

## Step3: Create an ATP Database

Navigation: Menu → Autonomous Transaction Processing





Select the compartment from left side compartment selector.

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Autonomous Database

Autonomous Databases *in* COMP07

List Scope

COMPARTMENT

COMP07

autonomousx2 (root)/COMP07

Don't see what you're looking for? ⓘ

Filters

STATE

Any state

Create Autonomous Database

Name	State	Database Name	CPU Core Count	Storage (TB)
There are no Autonomous Databases in COMP07 that match the current filters.				

Click on "Create Autonomous Database"

ORACLE Cloud

Autonomous Database

Autonomous Databases *in* COMP07

List Scope

COMPARTMENT

COMP07

autonomousx2 (root)/COMP07

Don't see what you're looking for? ⓘ

Filters

STATE

Any state

Create Autonomous Database

Name	State	Database Name	CPU Core Count	Storage (TB)
There are no Autonomous Databases in COMP07 that match the current filters.				

Information needed for ATP Instance Creation	
Create in Compartment	COMPM07
Display Name	ATPDBM07
Database Name	ATPDBM07
Core CPU Count	1
Storage(TB)	1
Admin Password	ABKG_tt_33ABKG_tt_33

Select the workload type as ATP

Create Autonomous Database [help](#) [cancel](#)

### Workload Type

AUTONOMOUS DATA WAREHOUSE  
Configures the database for a decision support or data warehouse workload, with a bias towards large data scanning operations.

AUTONOMOUS TRANSACTION PROCESSING  
Configures the database for a transactional workload, with a bias towards high volumes of random data access.

Enter Database Information

### Database Information

COMPARTMENT

DISPLAY NAME

DATABASE NAME  
  
The name must contain only letters and numbers, starting with a letter. 14 characters max.

CPU CORE COUNT <input type="text" value="1"/> <small>The number of CPU cores to enable. Available cores are subject to your tenancy's service limits.</small>	STORAGE (TB) <input type="text" value="1"/> <small>The amount of storage to allocate.</small>
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## Provide Credentials for ADMIN User

### Administrator Credentials

Set the password for your Autonomous Database ADMIN user here.

USERNAME *READ-ONLY*

PASSWORD

CONFIRM PASSWORD

Click on "Create Autonomous Database" at the end of the screen

### License Type

MY ORGANIZATION ALREADY OWNS ORACLE DATABASE SOFTWARE LICENSES  
Bring my existing database software licenses to the database cloud service ([details](#)).

SUBSCRIBE TO NEW DATABASE SOFTWARE LICENSES AND THE DATABASE CLOUD SERVICE

TAGS

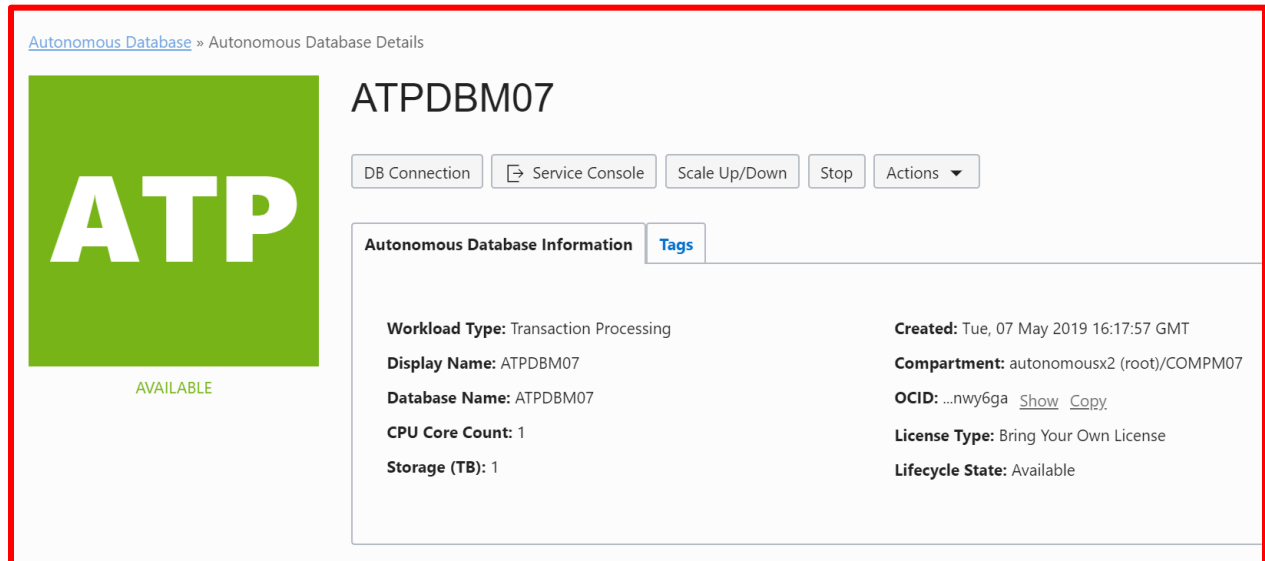
Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.

[Learn more about tagging](#)

TAG NAMESPACE	TAG KEY	VALUE
None (apply a free-form ↕)	<input type="text"/>	<input type="text"/>

←

Wait for the ATP Database to become available



Autonomous Database » Autonomous Database Details

## ATPDBM07

DB Connection [Service Console](#) Scale Up/Down Stop Actions ▾

**Autonomous Database Information** [Tags](#)

<b>Workload Type:</b> Transaction Processing	<b>Created:</b> Tue, 07 May 2019 16:17:57 GMT
<b>Display Name:</b> ATPDBM07	<b>Compartment:</b> autonomouxs2 (root)/COMP07
<b>Database Name:</b> ATPDBM07	<b>OCID:</b> ...nwy6ga <a href="#">Show</a> <a href="#">Copy</a>
<b>CPU Core Count:</b> 1	<b>License Type:</b> Bring Your Own License
<b>Storage (TB):</b> 1	<b>Lifecycle State:</b> Available

Congratulations!!! You have Completed Lab 1 and ready to attend any one of the following Hands-On-Lab of your choice:

- ✓ Oracle Autonomous Database Hands-On Workshop for Developers
- ✓ Oracle Autonomous Database Hands-On Workshop for DBAs