

ORACLE

甲骨文漫遊雲端線上研討會

資料倉儲

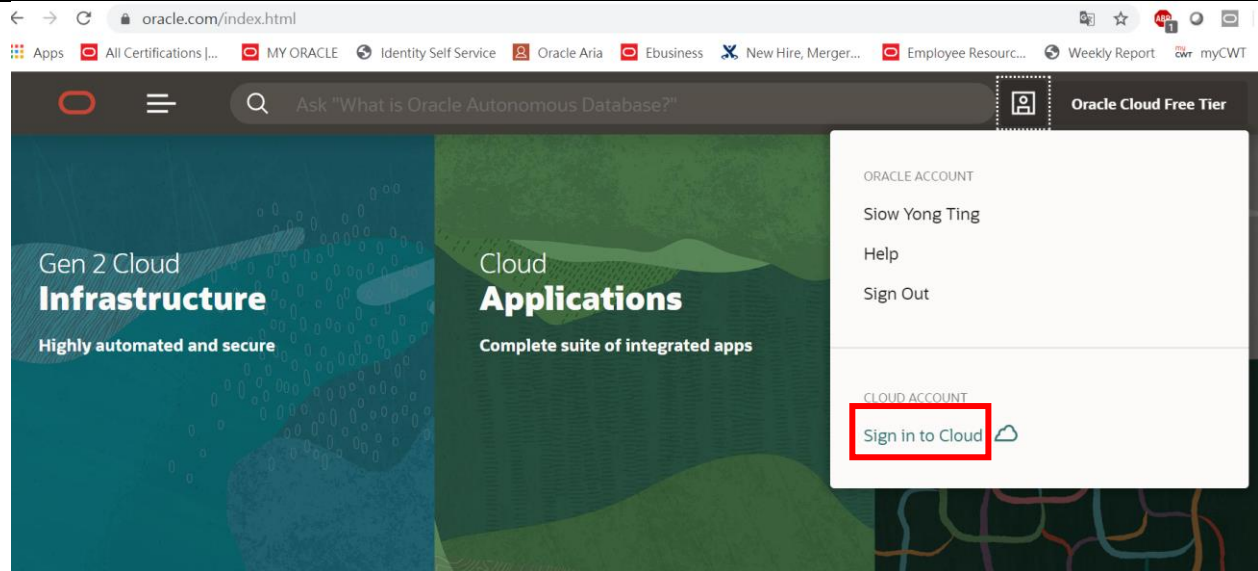
自治式資料庫

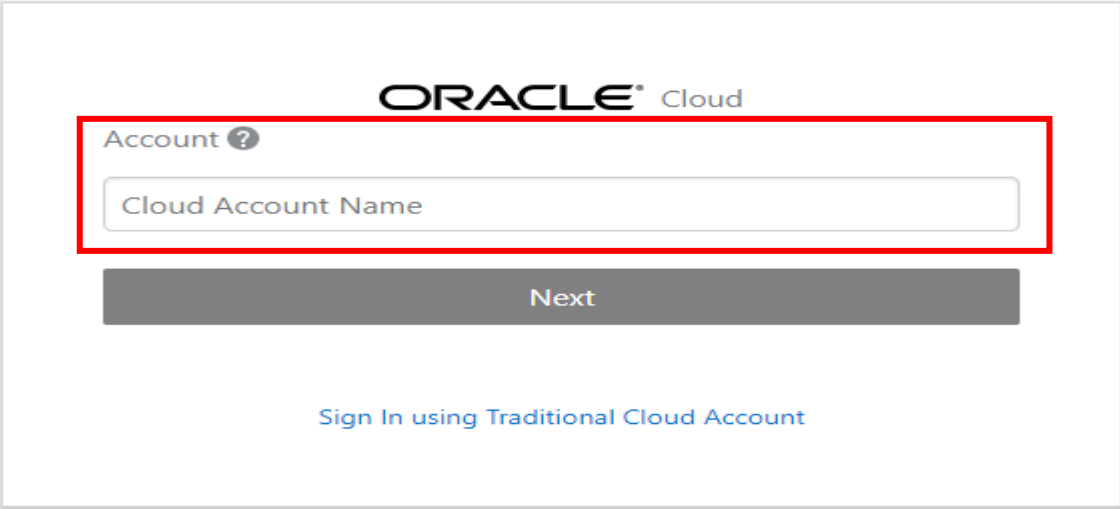
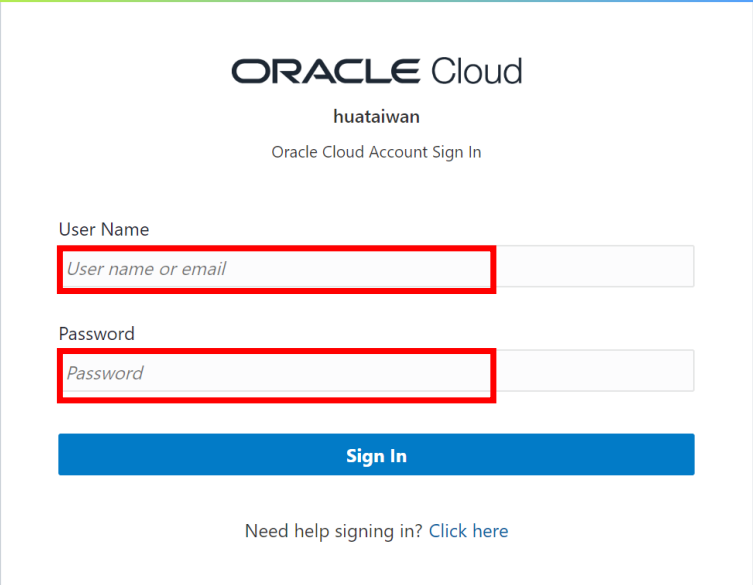
Provisioning Autonomous Data Warehouse

Round 1 – Easy – Provisioning an ADW Instance


In this round, you will provision a new ADW instance

1. Login to Oracle Cloud to create ADW Instance

View	Click Stream
	<ol style="list-style-type: none">1. Go to cloud.oracle.com And click on sign in to cloud

	<ol style="list-style-type: none">2. Type cloud account name3. Click “Continue” button
	<ol style="list-style-type: none">4. Provide the information User Name : your email Password: provide your password that you did reset from welcome email5. Click “Sign In” button

Provisioning Autonomous Data Warehouse

6. Click  on top left to expand service menu

7. Click **“Autonomous Data Warehouse”**

8. Click **“Create Autonomous Data Warehouse”**

Provisioning Autonomous Data Warehouse

Choose a compartment

apacadw-demo

hktwlab (root)/apacadw-demo

Display name

DB 201912111545

A user-friendly name to help you easily identify the resource. Display name can be changed at any time.

Database name

DB201912111545

The name must contain only letters and numbers, starting with a letter. Maximum of 14 characters.

Choose a workload type

Data Warehouse

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



Transaction Processing

Configures the database for a transactional workload, with a bias toward high volumes of random data access.

9. Provide the ADW Instance Information

- Display Name: anyone
- Database name: anyone
(use your username as database name and display name)
- Chose Data Warehouse
- CPU Count: 1 (default)
- Storage: 1 (default)
- **Disable Auto Scaling**
- Administrator Password: **Any**
- Confirm Administrator Password: **Any**
- License Type – License Included (default)

Leave all other fields to their default value.

10. Click “Create Autonomous Data Warehouse”

Provisioning Autonomous Data Warehouse

Serverless

Run Autonomous Database without provisioning infrastructure. Oracle deploys and manages the Exadata infrastructure for you. ✓

Dedicated Infrastructure

Run Autonomous Database on dedicated Exadata infrastructure.

Configure the database

Always Free ⓘ

☐ Show only Always Free configuration options

OCPU Count

1

The number of CPU cores to enable. Available cores are subject to your tenancy's service limits.

Storage (TB)

1

The amount of storage to allocate.

☐ Auto scaling

Allows system to use up to three times the provisioned number of cores as the workload increases. [Learn more.](#)

New Database Preview Version 19c Available ⓘ

☐ Enable Preview Mode

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Provisioning Autonomous Data Warehouse

Create administrator credentials ⓘ

Username READ-ONLY

ADMIN

Password

Confirm password

Choose network access

By default all secure connections are allowed from everywhere. Configure the access control list (ACL) to restrict access.

☐ Configure access control rules ⓘ

Choose a license type

Bring Your Own License (BYOL)
Bring my organization's Oracle Database software licenses to the Database service. [Learn more](#) ✓

License Included
Subscribe to new Oracle Database software licenses and the Database service.

[Show Advanced Options](#)

Create Autonomous Database

ORACLE Cloud

Autonomous Data Warehouse

List Scope

COMPARTMENT

mohanoci (root)

Autonomous Data Warehouses *in mohanoci (root) Compartment*

Create Autonomous Data Warehouse

Name	State	Database Name	CPU Core Count	Storage (TB)
adwttest	● Provisioning...	adwttest	1	1

Don't see what you're looking for? ⓘ

Filters

11. Note your ADW service is being provisioned and state appears to be **“Provisioning”**—

Important – Please wait till this completes

ORACLE Cloud

Autonomous Data Warehouse

List Scope

COMPARTMENT

mohanoci (root)

Don't see what you're looking for?

Create Autonomous Data Warehouse

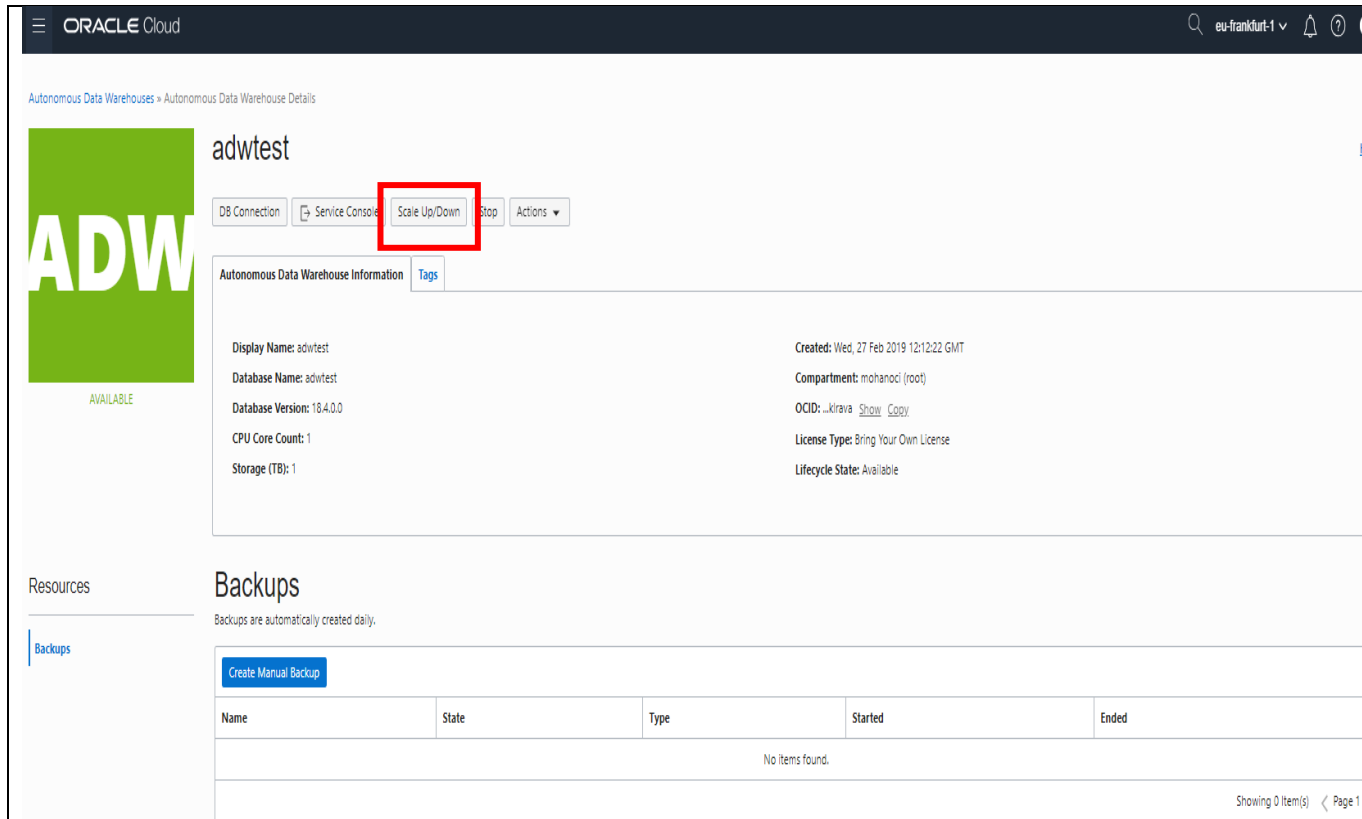
Autonomous Data Warehouses *in mohanoci (root) Compartment*

Name	State	Database Name	CPU Core Count	Storage (TB)
adwtest	● Available	adwtest	1	1

12. State should change to “**Available**” in 2~3 minutes. Once state shows “Available”, it means ADW service is ready for use.

13. Please click database name

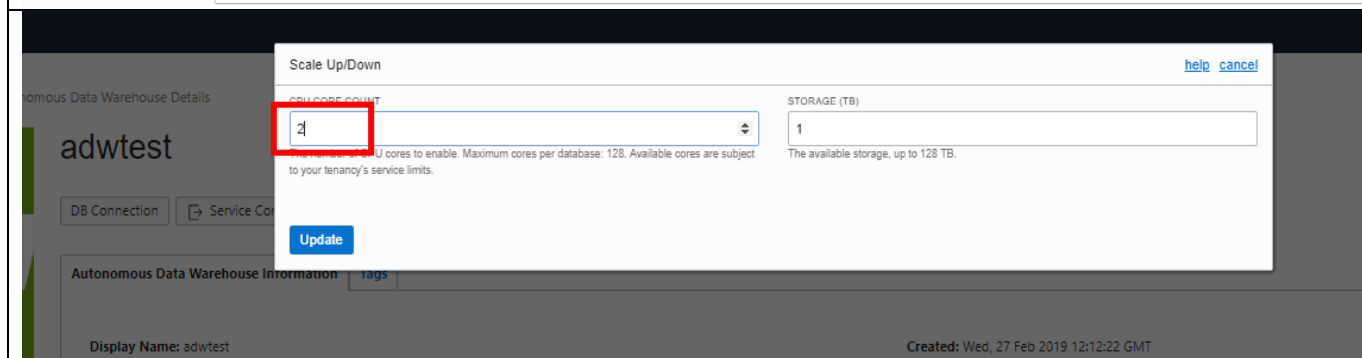
Provisioning Autonomous Data Warehouse



The screenshot shows the Oracle Cloud console interface for an Autonomous Data Warehouse (ADW) named 'adwtest'. The top navigation bar includes the Oracle Cloud logo and the region 'eu-frankfurt-1'. The main content area displays the ADW details, including its status 'AVAILABLE', a green 'ADW' logo, and a 'Scale Up/Down' button highlighted with a red box. Below this, the 'Autonomous Data Warehouse Information' section provides details such as Display Name, Database Name, Database Version, CPU Core Count, Storage (TB), Created date, Compartment, OCID, License Type, and Lifecycle State. A 'Backups' section is also visible, showing that backups are automatically created daily and a 'Create Manual Backup' button.

14. You can see details of ADW

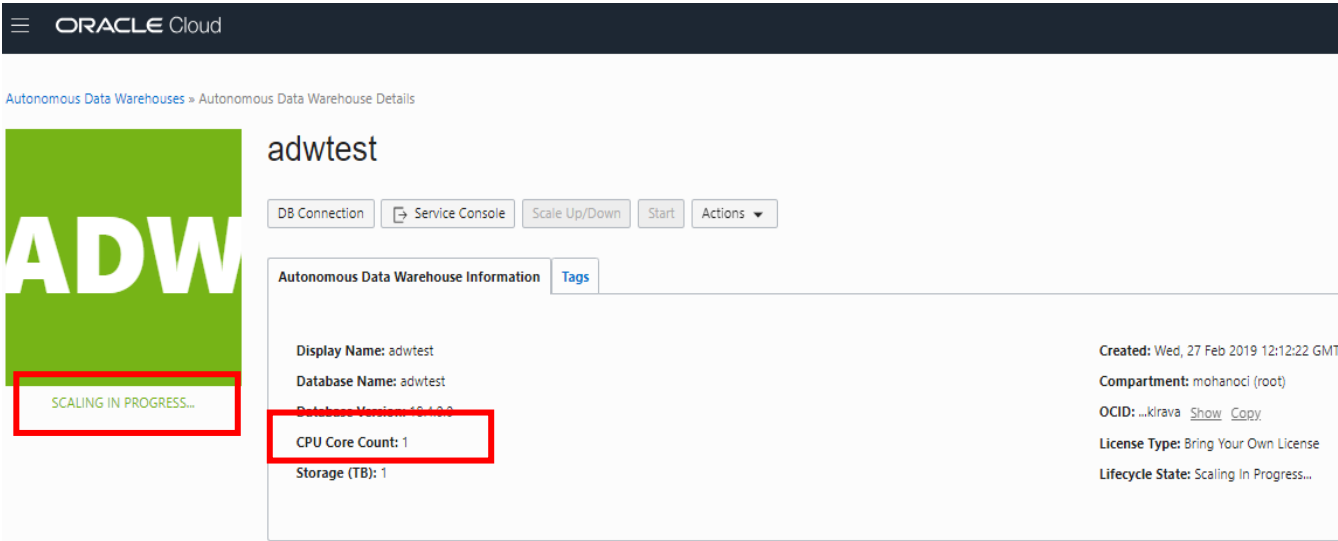
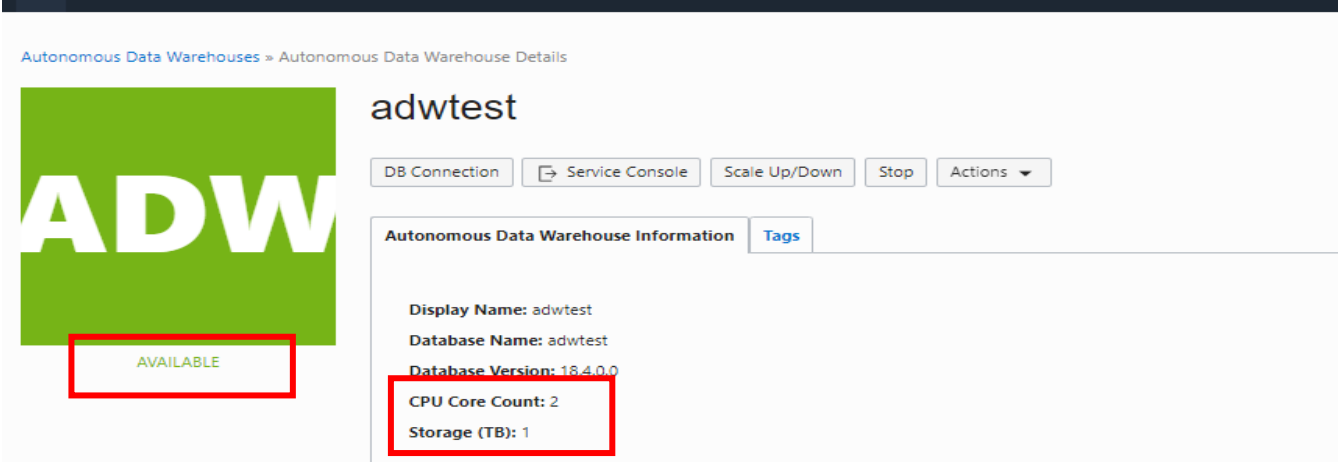
15. You can test “**Scale up**” with ocpu or storage as we create ADW with the minimum configuration.



The screenshot shows the 'Scale Up/Down' dialog box for the ADW 'adwtest'. The dialog box has two input fields: 'CPU CORE COUNT' and 'STORAGE (TB)'. The 'CPU CORE COUNT' field is highlighted with a red box and contains the value '2'. The 'STORAGE (TB)' field contains the value '1'. Below the input fields, there is an 'Update' button. The background shows the ADW details page with the 'Scale Up/Down' button highlighted.

16. Scaling up ocpu from 1 to 2.

Provisioning Autonomous Data Warehouse

 <p>The screenshot shows the Oracle Cloud console for an Autonomous Data Warehouse named 'adwtest'. The status is 'SCALING IN PROGRESS...' (highlighted with a red box). The CPU Core Count is 1 (highlighted with a red box). The Database Version is 18.4.0.0. The Lifecycle State is 'Scaling In Progress...'.</p>	<p>17. You can see SCALING IN PROGRESS and also see ADW is available as GREEN colour</p>
 <p>The screenshot shows the Oracle Cloud console for the same Autonomous Data Warehouse 'adwtest'. The status is 'AVAILABLE' (highlighted with a red box). The CPU Core Count is 2 (highlighted with a red box). The Database Version is 18.4.0.0. The Lifecycle State is 'Available'.</p>	<p>18. It appears to be 2 ocpu now. ADW was continuously up and running while scaling up number of ocpu.</p>

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Provisioning Autonomous Data Warehouse

Oracle Cloud console showing the details of an Autonomous Data Warehouse (ADW) named 'adwtest'. The 'Scale Up/Down' button is highlighted with a red box. The ADW is in an 'AVAILABLE' state. The details section shows the following information:

- Display Name: adwtest
- Database Name: adwtest
- Database Version: 18.4.0.0
- CPU Core Count: 2
- Storage (TB): 1
- Created: Wed, 27 Feb 2019 12:12:22 GMT
- Compartment: mohanodi (root)
- OCID: ...Kirava [Show](#) [Copy](#)
- License Type: Bring Your Own License
- Lifecycle State: Available

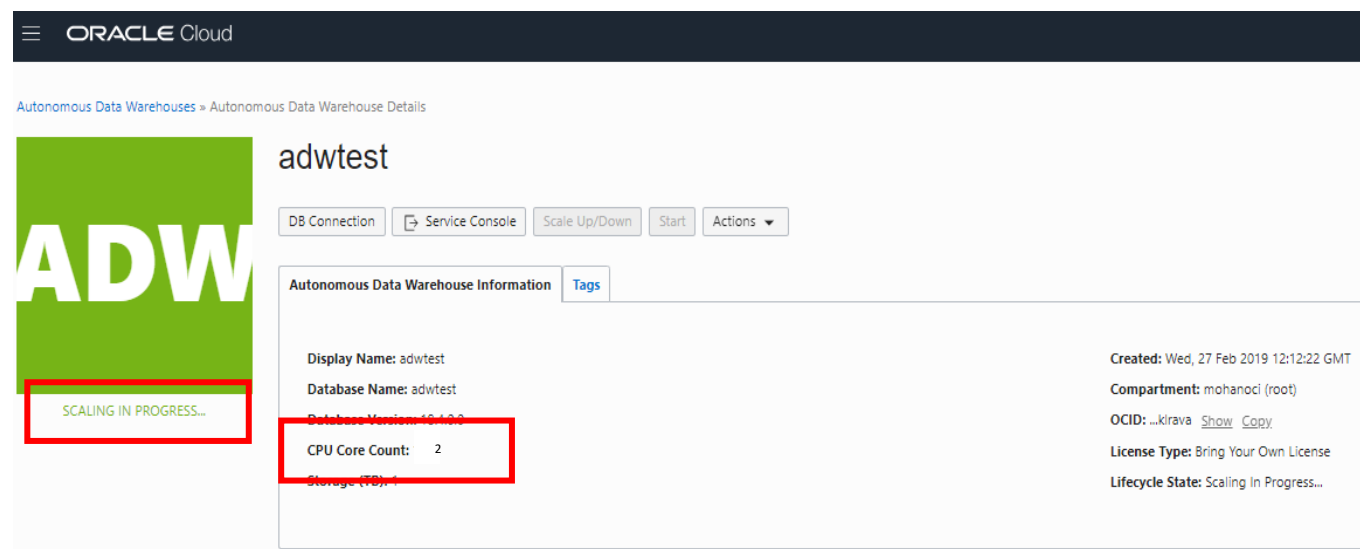
The 'Backups' section shows that backups are automatically created daily. A table with columns 'Name', 'State', 'Type', 'Started', and 'Ended' is displayed, but it contains no items.

19. You can also test “Scale Down” with ocpu or storage as we create ADW with the minimum configuration.

The 'Scale Up/Down' dialog box is shown, allowing configuration changes for the ADW. The 'CPU CORE COUNT' is currently set to 2, and the 'STORAGE (TB)' is set to 1. The 'Update' button is highlighted with a red box. The dialog also includes a 'help' link and a 'cancel' button.

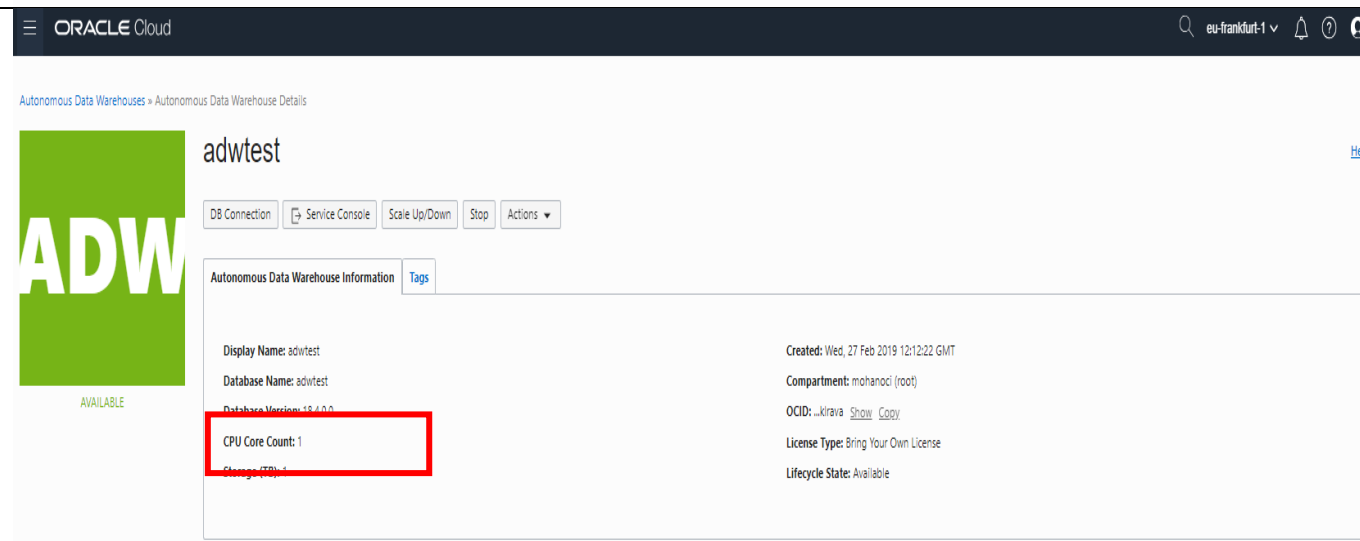
20. Scaling down ocpu from 2 to 1.

Provisioning Autonomous Data Warehouse



Oracle Cloud console showing the details of an Autonomous Data Warehouse (ADW) named 'adwtest'. The status is 'SCALING IN PROGRESS...'. The CPU Core Count is 2. The Database Version is 18.4.0.0. The Lifecycle State is 'Scaling In Progress...'. The OCID is '...kirava'. The License Type is 'Bring Your Own License'. The Lifecycle State is 'Scaling In Progress...'. The Database Name is 'adwtest'. The Display Name is 'adwtest'. The Storage (TB) is 1. The Created time is 'Wed, 27 Feb 2019 12:12:22 GMT'. The Compartment is 'mohanoci (root)'.


21. You can see **SCALING IN PROGRESS** and also see **ADW is available** as **GREEN** colour




Oracle Cloud console showing the details of an Autonomous Data Warehouse (ADW) named 'adwtest'. The status is 'AVAILABLE'. The CPU Core Count is 1. The Database Version is 18.4.0.0. The Lifecycle State is 'Available'. The OCID is '...kirava'. The License Type is 'Bring Your Own License'. The Lifecycle State is 'Available'. The Database Name is 'adwtest'. The Display Name is 'adwtest'. The Storage (TB) is 1. The Created time is 'Wed, 27 Feb 2019 12:12:22 GMT'. The Compartment is 'mohanoci (root)'.

22. It appears to be 1 ocpu now. ADW was continuously up and running while scaling down number of ocpu.

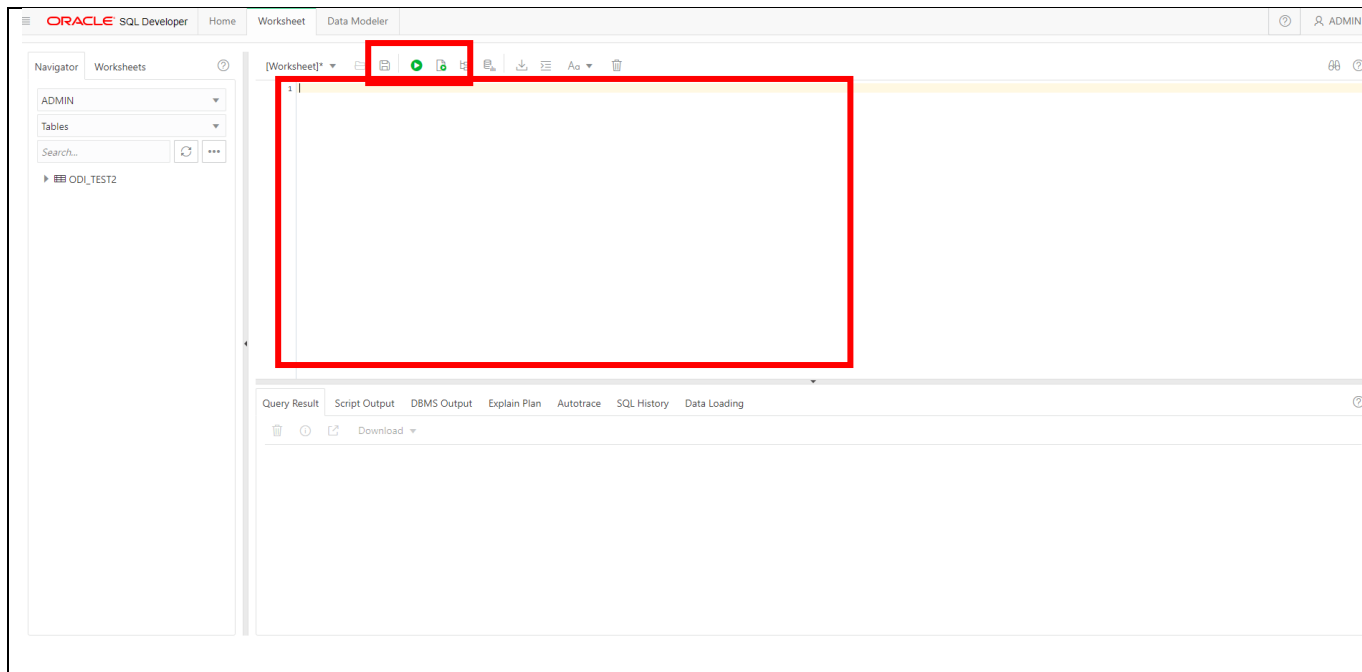
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Provisioning Autonomous Data Warehouse

<p>自治式資料庫 » 自治式資料庫詳細資訊</p> <div><p>可用</p></div> <h2>DBODI_Test</h2> <div>資料庫連線 效能中心 服務主控台 繼續擴展/縮減 其他動作</div> <div>自治式資料庫資訊 工具 標記</div> <div><h3>一般資訊</h3><p>資料庫名稱: DB202003021140 工作負載類型: 資料倉儲 區間: meitaiwan3 (根) OCID: ...xoqrqa 顯示 複製 建立時間: 2020年3月2日 週一 03:46:35 [UTC] OCPU 數目: 1 儲存: 1 TB</p></div> <div><h3>基礎架構</h3><p>專屬基礎架構: 否</p><h3>備份</h3><p>上次自動備份: 2020年3月3日 週二 22:01:26 [UTC]</p><h3>網路</h3><p>存取類型: 允許來自任何位置的安全存取</p></div>	<p>23. Click on Service Console</p>
<div><h3>Autonomous Data Warehouse</h3><ul style="list-style-type: none">OverviewActivityAdministrationDevelopment<p>DATABASE DB202003021140</p></div> <div><h4>Download Oracle Instant Client</h4><p>This is a free, light-weight set of tools, libraries and SDKs for building and connecting applications. These libraries underly the Oracle APIs of languages including Node.js, Python and PHP and provide access for OCI, OCCI, JDBC, ODBC and Pro*C applications. Tools such as SQL*Plus and Oracle Data Pump are also included - Oracle recommends using this version of Data Pump for moving existing Oracle Database schemas to Autonomous Data Warehouse.</p></div> <div><h4>Oracle APEX</h4><p>Oracle APEX is a low code application development framework for building and deploying world-class data centric applications. APEX provides an easy-to-use browser-based environment to load data, manage database objects, develop REST interfaces, and build applications which look and run great on both desktop and mobile devices.</p></div> <div><h4>SQL Developer Web</h4><p>Oracle SQL Developer web provides a browser-based integrated development environment and administration interface for Oracle Autonomous Database. It provides a subset of the features available in the desktop product.</p></div>	<p>24. Click on SQL Developer Web</p>

<div data-bbox="197 199 396 252"> ORACLE SQL Developer Web</div> <div data-bbox="645 279 1070 494"><p>Username</p><input data-bbox="660 319 1059 355" type="text" value="Admin"/><p>Password</p><input data-bbox="660 387 1059 424" type="password" value="....."/><p><input data-bbox="660 435 1059 483" type="button" value="Sign in"/></p></div>	<p>25. Key in the Username and Password</p>
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Provisioning Autonomous Data Warehouse



26. You can try run some Query Command here

1. Paste the command in the Worksheet

```
select
sum(lo_extendedprice*lo_discount)
as revenue
from ssb.lineorder, ssb.dwdate
where lo_orderdate = d_datekey
and d_yearmonthnum = 199401
and lo_discount between 4 and 6
and lo_quantity between 26 and 35;
```

2. Click on Run