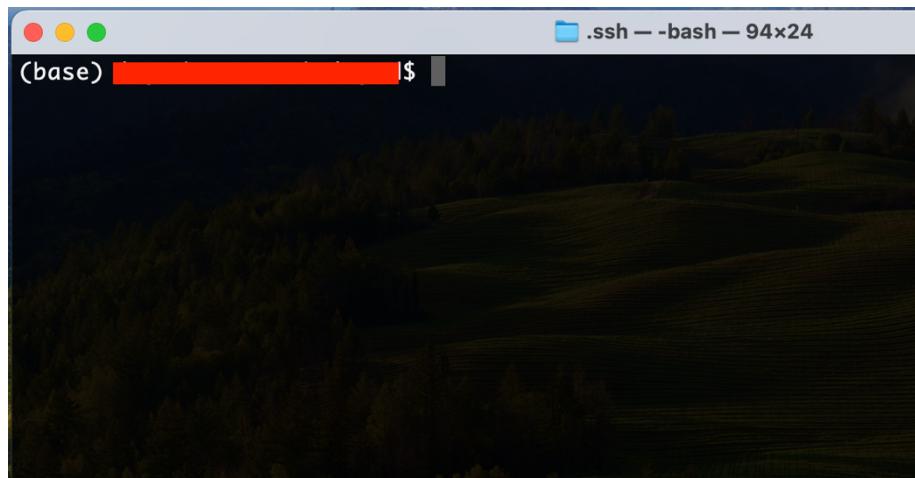
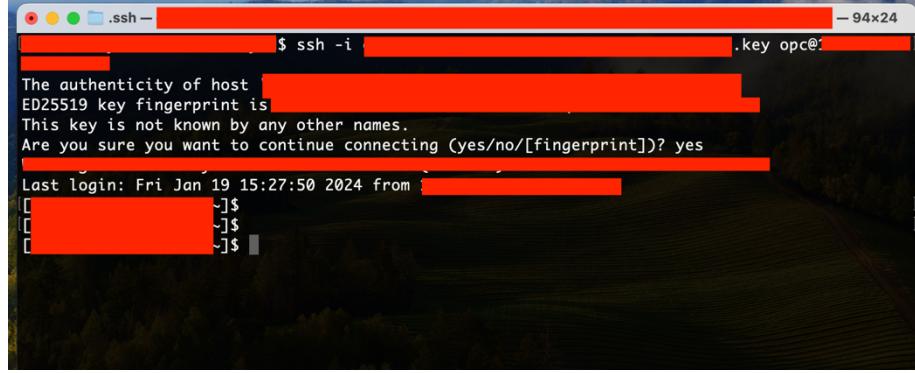


## Connect to Oracle Database 23ai Node via SSH

**Description:** The purpose of this guide is to SSH into the Oracle Database 23ai Node.

**Prerequisites:** Terminal or Command Prompt which has a Secure Shell Client installed. Connection details to your Oracle Database (IP Address, Private Key, DB User & DB Password).

Step	Description
<p><b>Open up a Terminal or Command Prompt.</b></p> <p><b>Navigate to the folder which has our Database SSH Keys</b> we downloaded earlier in this guide.</p>	
<p>SSH into your Database Node:</p> <p><b>ssh -i &lt;location-to-private-key&gt; opc@&lt;node-ip-address&gt;</b></p>	 <p>If prompted on whether you want to continue connecting enter <b>yes</b></p>

<p>Let's connect to the Database via sqlplus.</p> <p>Switch to root: <b>sudo su</b></p> <p>Switch to Oracle user: <b>su - oracle</b></p>	<pre>Last login: Fri Jan 19 15:27:50 2024 from [REDACTED] [REDACTED] \$  [REDACTED] \$  [REDACTED] \$ pwd /home/opc [REDACTED] \$ sudo su [REDACTED] # su - oracle Last login: Wed May 22 16:30:05 UTC 2024 [oracle@REDACTED] \$  [oracle@REDACTED] \$</pre>
<p><b>Enter:</b> sqlplus</p> <p><b>Username:</b> sys as sysdba</p> <p><b>Password:</b> &lt;db-admin-password&gt;</p>	<pre>[REDACTED] \$  [REDACTED] \$  [REDACTED] \$ sqlplus  SQL*Plus: Release 23.0.0.0.0 - Production on Wed May 22 16:30:48 2024 Version 23.4.0.24.05  Copyright (c) 1982, 2024, Oracle. All rights reserved.  Enter user-name: sys as sysdba Enter password:  Connected to: Oracle Database 23ai EE High Perf Release 23.0.0.0.0 - Production Version 23.4.0.24.05  SQL&gt; SQL&gt; SQL&gt; SQL&gt;</pre>
<p>We can run the below command to check if we are in the container DB:</p> <p><b>show con_name;</b></p>	<pre>[SQL]&gt; [SQL]&gt; [SQL]&gt; SHOW CON_NAME  CON_NAME ----- CDB\$ROOT [SQL]&gt; [SQL]&gt; SQL&gt;</pre>

<p>Run the below to view the pluggable databases within our container:</p> <pre><b>select name from v\$pdbs;</b></pre> <p>We can now see the name of our Pluggable DB.</p>	<pre>SQL&gt; SQL&gt; SQL&gt; select name from v\$pdbs;  NAME ----- PDB\$SEED VECTORDB_PDB1  SQL&gt; SQL&gt;</pre>	
<p>We can alter our session to connect to our pluggable DB.</p> <pre><b>alter session set container = vectordb_pdb1;</b></pre>	<pre>SQL&gt; SQL&gt; SQL&gt; alter session set container = vectordb_pdb1       2 ;  Session altered.  SQL&gt; SQL&gt; SQL&gt;</pre>	
<p>We are now inside our Pluggable Database. We can confirm this by running:</p> <pre><b>show con_name;</b></pre>	<pre>SQL&gt; SQL&gt; SQL&gt; show con_name;  CON_NAME ----- VECTORDB_PDB1  SQL&gt; SQL&gt; SQL&gt;</pre>	

We can run a text SQL command:

***select 1 from dual;***

You can see it returns a result.

```
[SQL]>
[SQL]>
[SQL]> select 1 from dual;

          1
-----
          1

[SQL]>
[SQL]>
```

We can exit from SQLPlus, the Oracle User, the Root User and the SSH Connection by running:  
***exit;***

```
[SQL]>
[SQL]>
[SQL]> exit
Disconnected from Oracle Database 23ai EE High Perf Release 23.0.0.0.0 - Production
Version 23.4.0.24.05
[ ]$ exit
logout
[ ]# exit
exit
[ ]$ exit
logout
Connection to [ ] closed.
( )$ 
( )$ 
( )$ 
```