**1. Fundamentals**

**●**eXperDB-v15.4 is postgresql-v15.4, same database.

●This product has eXperDB-v15.4, eXperDB-Management, eXperDB-Management-Agent, eXperDB-Monitoring installed.

●eXperDB packages is installed.

●Server user(experdb) already exists.

●Product use-case is DB Server and Management Server.

**2. AWS Create EC2-Instance**

**2-1.**Select the instance type for which SQL commands are available.

**2-2.**AWS key-pair create or select.

**2-3.**Select network auto public IP check or set the private IP to be accessible to user.

**2-4.**Set security group.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type | Port | Source Ip | Target Server | Description |
| Inbound | 22 | (User IP) | All | SSH Port |
| 5432 | (User IP) | Management | eXperDB Port |
| 5960 | (User IP) | Management | eXperDB-Monitoring Port |
| 8880 | (User IP) | Management | Management-WebConsole Port |
| 5432 | (Management IP) | DB | Management -> DB eXperDB Port |
| 9001 | (Management IP) | DB | Management -> DB Agent Port |
| 5432 | (DB server IP) | Management | DB -> Management eXperDB Port |
| Outbound | All | All | All | All traffic out |

**2-5.**Set instance volume(default: 50GB).

**2-6.**Wait for the health check of the created instance to complete.

**3. eXperDB Start(DB and Management)**

**3-1.**Access Server with SSH(port 22) key-pair and user ec2-user(pw ec2-user).

**3-2.**sudo su - experdb command change user ec2-user -> experdb.

**All task execute(chapter 3~6) commands with the experdb account.**

**3-3.**cd /data/experdata/data/ or cd $PGDATA

Set the postgresql.conf for server CPU and Memory(default: 4core 16GB)

If you don’y know the settings, please contact Inzent

or please refer to the pgtune(https://pgtune.leopard.in.ua/).

**3-4.**start eXperDB(command: pg\_ctl start)

**3-5.**Check eXperDB Status(command: pg\_ctl status)

Result is “pg\_ctl: server is running (PID: 00000)”, it is normal.

If result is “pg\_ctl: no server running”, it is abnormal.

**4. MGMT-WebConsole Start(Management Server)**

**4-1. All task execute(chapter 3~6) commands with the experdb account.**

**Management Server eXperDB is running(executed Chapter3).**

**MGMT is short for Managment**

**4-2.**cd /experdb/app/eXperDB-Management/eXperDB-Management-WebConsole/bin

After sh startup.sh this command is start WebConsole.

**4-3.**Check WebConsole status(command: ps -ef | grep WebConsole)

Result is “apache.catalina.startup.Bootstrap start” process exists, it is normal.

Result is no process exists, it is abnormal.

**4-4.**Web http://(managment server IP):8880/ access it, you’ll see a login page.

Default ID/PW: admin/experdb12#

First login, you’ll change PW popup, Retry log in after change PW.

**5. Monitoring Start(Management Server)**

**5-1. All task execute(chapter 3~6) commands with the experdb account.**

**Management Server eXperDB is running(executed Chapter3).**

**MGMT is short for Managment**

**5-2.**cd /experdb/app/eXperDB-Monitoring/eXperDB\_Server/

After sh experdbmon.sh start this command is start Monitoring-Server.

**5-3.**Check Monitoring status(command: sh experdbmon.sh now)

Result is two monitoring process exists, it is normal.

Result is no process or one monitoring process exists, it is abnormal.

**5-4.**After Monitoring Client install,

install file is here(eXperDB github: <https://github.com/experdb/eXperDB-Monitoring>)

**5-5.**When running the Monitoring client, IP and DB port settings are required.

click server button -> your setting Managmenet IP, DB port, DB name, DB user/pw

-> Test -> Access success -> Storage IP button click -> Update button click -> End

**5-6.**First login, you’ll change PW popup, Retry log in after change PW.

(default: admin/experdb12#)

**5-7.**Please refer to the Monitoring guide for functions such as instance registration.

**6. Management-Agent Start(DB-server)**

6-1. **All task execute(chapter 3~6) commands with the experdb account.**

**Management Server eXperDB is running(executed Chapter3).**

6-2.cd /experdb/app/eXperDB-Management/eXperDB-Management-Agent/bin

sh startup.sh command start eXperDB-Management-Agent.

6-3.Check Agent status(command: sh status.sh)

Result is “Program : eXperDB-Management-Agent … status : running”, it is normal.

Result is “Program : eXperDB-Management-Agent … status : stop”, it is abnormal.

6-4.client start, First login, you’ll change PW popup, Retry log in after change PW.

(default: admin/experdb12#)

6-5.Login WebConsole top menu admin > DBMS registration > registration

6-6.Please refer to the solution guide for detailed features.