Managing OpDB powered by Apache Accumulo

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CLOUDERA

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Contents

Change root user password

The Accumulo shell allows you to change the root user's password after installation. Changing the password is recommended if a custom password was not set for the root user during installation because using the default password can lead to security issues.

About this task

Note: This task does not apply to secure clusters because user root is not created in that case.

You can run the Accumulo shell on server hosts and hosts that have the Gateway role in your cluster.

By default, in an unsecure Accumulo on CDP service, the user root is created and assigned the password secret. If you did not set a different password during installation, Cloudera recommends that you change the root user password.

Before you begin

Have an unsecure Accumulo on CDP service added to your cluster.

Procedure

1. Launch the Accumulo shell for the default root user.

```
$ accumulo shell -u root
Password: ******
Shell - Apache Accumulo Interactive Shell
-
- version: [***ACCUMULO VERSION NUMBER***]
- instance name: [***ACCUMULO INSTANCE NAME***]
- instance id: [***ACCUMULO INSTANCE ID***]
-
- type 'help' for a list of available commands
-
root@accumulo>
```

2. Use the passwd command to set a new password for the root user.

```
root@accumulo> passwd
Enter current password for 'root': ******
Enter new password for 'root': *********
Please confirm new password for 'root': *********
root@accumulo>
```

3. Relaunch the shell with this new password.

```
root@accumulo> exit
$ accumulo shell -u root
Password: ******
Shell - Apache Accumulo Interactive Shell
-
- version: [***ACCUMULO VERSION NUMBER***]
- instance name: [***ACCUMULO INSTANCE NAME***]
- instance id: [***ACCUMULO INSTANCE ID***]
-
- type 'help' for a list of available commands
-
root@accumulo>
```

Find the latest Operational Database powered by Apache Accumulo keytab

You can quickly check the latest Operational Database powered by Apache Accumulo (OpDB) keytab and hostname using the Accumulo shell.

Use the following command on the administrator principal to find the latest OpDB keytab and hostname:

```
kinit -kt $(find /var/run/cloudera-scm-agent/process/ -name "accumulo_on_cdp
.keytab" | head -n1 ) accumulo/$(hostname -f)
```

Relax WAL durability

You can tune the performance of Operational Database powered by Apache Accumulo (OpDB) by relaxing Write Ahead Log (WAL) durability.

About this task

For increased write throughput, use the BatchWriter API to ingest data into OpDB. However, using this API reduces data durability. Use this setting only in environments with reliable UPS.

For more information about durability performance, see *Durability Performance Implications*.

Procedure

1. In Cloudera Manager, select the Accumulo on CDP service.
2. Click Configuration and then click View and Edit.
3. Search for Tablet Server accumulo.properties.
4. Find Tablet Server Advanced Configuration Snippet (Safety Valve) for accumulo.properties property.
5. Set the following:

```
table.durability=flush
```

6. Save your changes.
7. Restart Stale Services.

Related Information
BatchWriter API
Durability Performance Implications