

DB Runbook

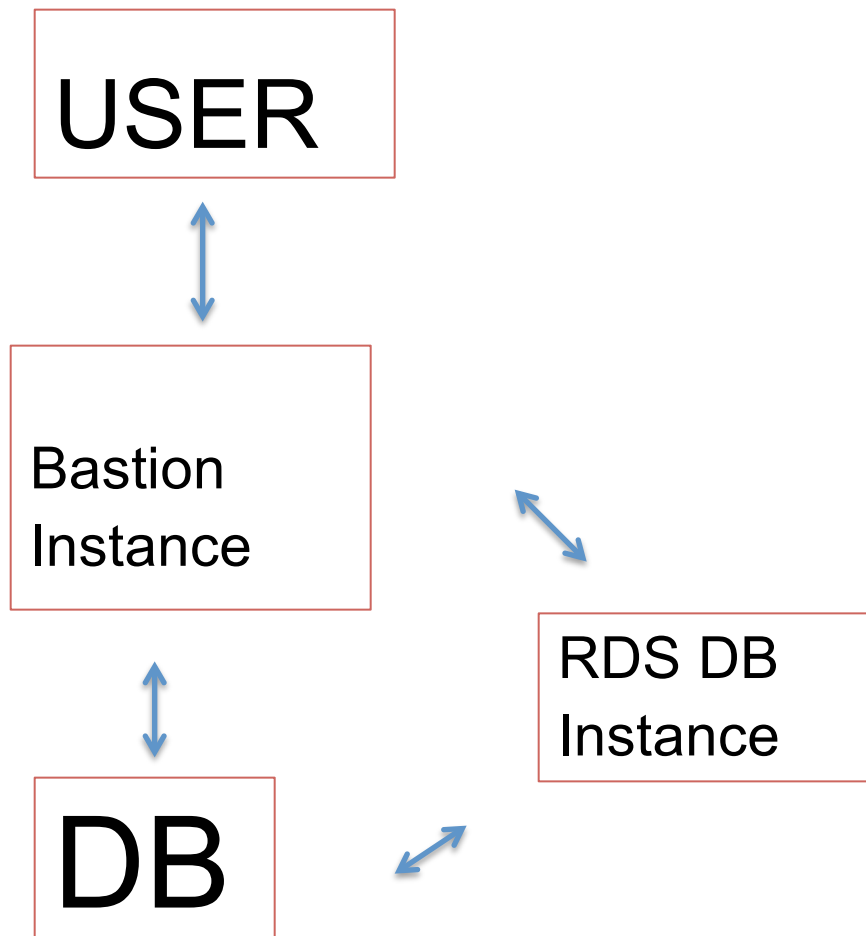
Short Description

Installs MariaDB and MySQL while making a database.

Required Software

MariaDB-client, mysql_secure_installation

Architecture Diagram



Deployment

```
ansible-playbook -i hosts.ini db.yml --ask-vault-pass
```

```
Vault password: secret
```

```
PLAY [db]
```

```
*****
```

```
*****
```

```
TASK [setup]
```

```
*****
```

```
*****
```

```
ok: [localhost]
```

```
TASK [Copying MariaDB Repositories]
```

```
*****
```

```
copy: src=db/MariaDB.repo
```

```
dest=/etc/yum.repos.d/MariaDB.repo mode=0644
```

```
ok: [localhost]
```

```
TASK [Installing and Updating MariaDB/Client]
```

```
*****
```

```
become: yes
```

```
yum: name=MariaDB-client update_cache=yes state=present
```

```
ok: [localhost]
```

```
TASK [Copying new MariaDB_Answers.txt]
```

```
*****
```

```
template: src=db/mariadb_answers.txt
```

```
dest=/tmp/mariadb_answers.txt mode=0644
```

```
ok: [localhost]
```

```
TASK [Extracting db.tgz to ~/]
```

```
*****
```

```
unarchive: src=db/db.tgz dest=~/
```

ok: [localhost]

TASK [Making Database and changing directory]

changed: [localhost]

```
command: ./make_databases.sh {{ db_password }}
rds.cv04whytaguq.us-west-2.rds.amazonaws.com chdir=~/db
ignore_errors: True
```

Issues

Please specify any issues that might occur that would cause the service to not work properly. For example, what should you do if the service process dies or what should be done if the logs fill up the disk?

Title: hosts.ini file incorrect

Description: If your hosts.ini file is incorrect and you don't have the right variables in the script, it can create problems connecting to the SSH server needed to run the tasks.

Remediation Steps: ansible_connection=local solved my hosts.ini file and made it able to connect to the SSH server. Also adding ansible_ssh_user="USER" and ansible_ssh_password="PASSWORD" might solve the issue as well.

Title: No secrets

Description: When the user doesn't input the --ask-vault-pass DB won't work correctly. They will ask for db_password in DB which will interrupt the playbook and run unsuccessful.

Remediation Steps: Make sure to always type --ask-vault-pass or put the vars you need in vars: with db_password: password.

Title: Internet Access

Description: If the user doesn't have Internet access they won't be able to download and update MariaDB/Client. On the second task the playbook will use yum and install MariaDB-server, and MariaDB-client

Remediation Steps: Find any convenient wireless network source and try to run the task as fast as possible.