



AEROSPIKE

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# Installation

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## How To Log Into The AWS Instance

Log into the server

- Mac/Linux
  - `ssh aerotraining@<ip_address>`
- Windows PC
  - You can use a tool such as putty to ssh login to the server:
  - <http://www.chiark.greenend.org.uk/~sgtatham/putty/>

The username/password is aerotraining/aerotraining.

The aerotraining user has sudo privileges, which is important for easiest installation with Aerospike.

You should open 2 different shells on the instance.

You each should have your own IP address to log into your own instance. You can use whichever tool you are comfortable with to log in. You will need basic Linux skills for this class.

Sudo/root is required for installing/starting the Aerospike database when using rpm or deb. You can also download and use the prebuilt any Linux binaries, which do not require those permissions. Settings for this are a little different and not covered in this module.

The any linux editions can be found here:

<http://www.aerospike.com/docs/operations/install/linux/other/>

## Install and start Aerospike/AMC

- Install server and tools
  - `cd packages/aerospike`
  - `tar xvf aerospike-enterprise-server.tgz`
  - `cd aerospike-server-enterprise-3.5.15-el6`
  - `sudo ./asinstall`
- Start the server
  - `sudo service aerospike start`
  - `sudo tail -f /var/log/aerospike/aerospike.log`
  - `grep` for 'cake' in the logs.
- Install and start AMC
  - `cd ..`
  - `sudo rpm -ivh aerospike-enterprise-amc.rpm`
  - `sudo service amc start`

You each should have your own IP address to log into your own instance. You can use whichever tool you are comfortable with to log in. You will need basic Linux skills for this class.

Sudo/root is required for installing/starting the Aerospike database when using rpm or deb. You can also download and use the prebuilt any Linux binaries, which do not require those permissions. Settings for this are a little different and not covered in this module.

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----- Meeting Notes (8/12/15 21:44) -----

Fix sudo install line for AMC should be `aerospike-enterprise-amc.rpm`

## Connect To The Server using AMC

The easiest way to see the status of the server is to use the AMC.

Open any standard browser (Chrome, Firefox, IE) and go to the URL:

`http://<ip_addr>:8081`

Then enter in "localhost" to the host name.

You should connect to the AMC and be able to see the AMC dashboard. Note that when you log in, the actual IP address of the server is there rather than "localhost".

If you are having problems connecting, make sure that:

- you have started the AMC
- you have started the Aerospike server
- port 8081 is open

The instance has been configured to allow connections from the Internet to the AMC. When installing the AMC, make sure that the appropriate port is opened.

## Starting And Stopping Aerospike Server and AMC

Controlling the server requires you to be root or have sudo privileges, which the aerotraining user has.

### Start server / amc

```
sudo service aerospike start  
sudo service amc start
```

### Check on server / amc status

```
sudo service aerospike status  
sudo service amc status
```

### Stop server / amc

```
sudo service aerospike stop  
sudo service amc stop
```

### Restart server / amc

```
sudo service aerospike restart  
sudo service amc restart
```

While it is possible to put this into the server startup scripts, Aerospike does not recommend you do this. There are cases where you want the Linux instance to come up, but not the Aerospike server.

This could be to allow specific actions prior to restarting the server. For example, if a server was down for a long time, then the data on the disks may be dated and reconciling this with the new data on the other nodes may take a long time. It may take much less time to rebalance the data from the other nodes already in the cluster. This involves deleting the data on disk and restarting the server.