

# Stopping And Starting AtScale Services

You can control individual services and check their status, start and stop all AtScale services, and configure AtScale services to start automatically after system restarts.

## Controlling Individual Services

You can use the `atscale_service_control` program to control individual services. For example, to manage just the AtScale `engine` service:

```
/opt/atscale/bin/atscale_service_control status engine
/opt/atscale/bin/atscale_service_control restart engine
```

Type `/opt/atscale/bin/atscale_service_control` for help with this command.

## Starting And Stopping AtScale Services Manually

You can start and stop all AtScale services by using the `atscale_start` and `atscale_stop` scripts. You can also manage individual services using the `atscale_service_control` program.

Your AtScale installation has two scripts to conveniently start and stop all AtScale services at once:

```
/opt/atscale/bin/atscale_start
/opt/atscale/bin/atscale_stop
```

## Starting AtScale Services Automatically On System Restart

### Red Hat And CentOS

You can use a service script to start all AtScale services automatically if the server running AtScale is restarted.

1. Copy the service script to the system's `/etc/init.d` folder. The script is located in the AtScale home directory, which is `/opt/atscale` by default.

```
mv <Path_to_the_AtScale_home_directory>/bin/atscale_service.init.d /etc/init.d/atscale_service
```

2. Register the service.



**Note:** Your user account must be root or have sudo permission to run this command.

```
chkconfig atscale_service on
```

3. Confirm that the service is enabled.

```
chkconfig --list | grep atscale
```

The chkconfig command should display this output:

```
atscale_service 0:off 1:off 2:on 3:on 4:on 5:on 6:off
```

4. Modify `/etc/systemd/system.conf` and update the `DefaultLimitNOFILE` line to the following:

```
DefaultLimitNOFILE=65536
```

## UBUNTU

 **Note:** All of the following steps are either done as root, or using the `sudo` command.

1. Copy the service script to the system's `/etc/init.d` folder:

1. Locate the `atscale_service.init.d` script in the `/opt/atscale/current/bin` folder.
2. Copy the script (using the new `atscale_service` name) as shown in the example below:

```
cp /opt/atscale/current/bin/atscale_service.init.d /etc/init.d/atscale_service
```

2. Change the permissions on the file:

```
chmod 0755 /etc/init.d/atscale_service
```

3. Modify the `init.d` script to contain Ubuntu specific functionality

```
### BEGIN INIT INFO
# Provides: atscale_service
# Required-Start: $all
# Required-Stop:
# Default-Start: 2 3 4 5
# Default-Stop:
# Short-Description: your description here
### END INIT INFO
```

4. Create a symlink in the `/etc/rc2.d` folder

```
cd /etc/rc2.d
ln -s ../etc/init.d/atscale_service
mv atscale_service S01atscale_service
```

5. Enable the service

```
update-rc.d atscale_service enable
```

