Lab 6. Creating multiple environments

We're now going to change our architecture. Previously we set up and monitored a webserver and a database minion. Now we're going to create two environments, a *dev* and a *qa* environment that we will be controlling with Saltstack.

First, you will need to change the /etc/salt/master file and create two new directory entries /srv/salt/dev and /srv/salt/qa under the file_roots: directive.

Next, create the two directories /srv/salt/dev and /srv/salt/qa

Create a top.sls file for each one of those. Put in a dev or a qa id for each respective top.sls file

Now, we're going to create a new pillar.

Make a directory /srv/salt/pillar.

We will create two files in each, a *top.sls* file and a *systems_env.sls* pillar.

Don't be confused by the .sls extension. These aren't states, they're pillars that contain static information.

The top.sls file will simply contain three lines:

base:

'*':

- system_envs

Your system env will contain two pillars: dev_systems and qa_systems. Each will be a list that contains three entries:

webserver-s<#>-00[1 or 2]

dbserver-s<#>-00[1 or 2]

midserver-s<#>-00[1 or 2]

1 is for dev_systems and 2 is for qa_systems.

Your dev and qa top.sls files will need to contain some Jinja code that does the following:

1. Iterate over the correct pillar
2. If the servername contains 'web', run the apache state.
3. if the server name contains 'postgres', run the postgres formula.