Red Hat Installation Steps

Choose Hostnames

Pick a fully qualified host name for each server, such as app1.example.com for an app server or proc1.example.com for a processing node.

Install OS

Install a minimum Red Hat 7.5 and upgrade to 4.4 kernel. Example steps to upgrade kernel:

```
rpm --import https://www.elrepo.org/RPM-GPG-KEY-elrepo.org
rpm -i http://www.elrepo.org/elrepo-release-7.0-2.el7.elrepo.noarch.rpm
yum --enablerepo=elrepo-kernel install kernel-lt
grub2-set-default 0
grub2-mkconfig
reboot
```

once the OS is rebooted and using the new kernel you can remove the 3.10 kernel:

```
yum remove kernel
```

Configure Installer(s)

Once you have the installer extracted open the **install.cnf** file to setup the properties for your environment and find this section:

```
overwrite_existing_data="Y"
web_tier_host_1="web1.example.com"
app_tier_host_1="app1.example.com"
app_tier_host_2="app2.example.com"
galera_arbitrator_host="arbitrator.example.com"
```

If some or all of these roles are installed on the same server, you can enter the same hostname more than once. For example, a single "standalone" (web and app) server with one or more processing nodes is configured like this:

```
overwrite_existing_data="Y"
web_tier_host_1="app1.example.com"
app_tier_host_1="app1.example.com"
app_tier_host_2="app1.example.com"
galera_arbitrator_host="app1.example.com"
```

Install Standalone Server (Application Server + Web Server Node)

1. Download standalone installer and extract into `/media/install/<release>/app` where `<release>` is the version number.
2. Navigate to the installer folder

3. Edit install.cnf as shown under "Configure Installers"

4. execute the following command to make all the .sh files executable:

```
chmod +x *.sh
```

5. As a **root** user, from the installer folder, run the following command:

```
./install_standalone.sh
```

6. Create the first group with this command:

```
./create_group.sh
```

Now you can connect to following URL and start using the web application:

```
https://app1.example.com/JumpToWeb
```

Install Proc Node

1. Download proc node installer and extract into `/media/install/<release>/proc`.
2. Navigate to the installer folder
3. Edit file common-config and set global variables to match environment

4. execute the following command to make all the .sh files executable:

```
chmod +x *.sh
```

5. As a **root** user, from the installer folder, run the following command:

```
./install_standalone.sh
```

6. Check log file install_proc.sh.log for error.
7. Check status of each worker (including sphinxsearch) service.

8. Check the workers are registered with the app server on the gearman page.