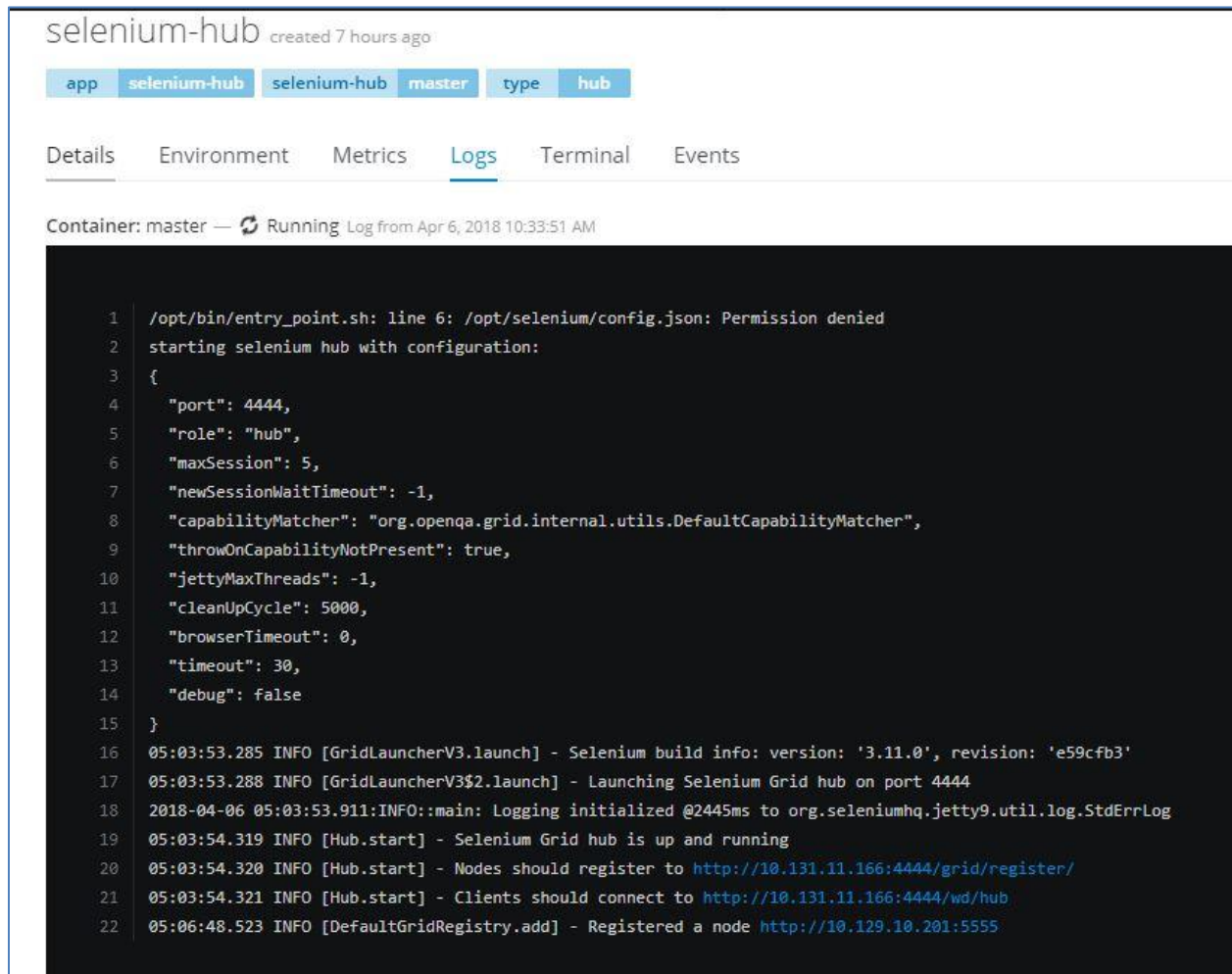


I am trying to setup selenium grid on OpenShift using selenium-OpenShift-templates. After following you instructions as mentioned on <http://ddavison.io/2016/02/01/openshift-templates-for-selenium.html>

I am able to setup selenium -hub and selenium-node-chrome.

As per logs they seems registered as well. Please refer logs for selenium hub and node.



The screenshot shows the OpenShift console interface for a 'selenium-hub' service. The service is in a 'Running' state. The 'Logs' tab is selected, displaying the following log output:

```
1 /opt/bin/entry_point.sh: line 6: /opt/selenium/config.json: Permission denied
2 starting selenium hub with configuration:
3 {
4   "port": 4444,
5   "role": "hub",
6   "maxSession": 5,
7   "newSessionWaitTimeout": -1,
8   "capabilityMatcher": "org.openqa.grid.internal.utils.DefaultCapabilityMatcher",
9   "throwOnCapabilityNotPresent": true,
10  "jettyMaxThreads": -1,
11  "cleanupCycle": 5000,
12  "browserTimeout": 0,
13  "timeout": 30,
14  "debug": false
15 }
16 05:03:53.285 INFO [GridLauncherV3.launch] - Selenium build info: version: '3.11.0', revision: 'e59cfb3'
17 05:03:53.288 INFO [GridLauncherV3$2.launch] - Launching Selenium Grid hub on port 4444
18 2018-04-06 05:03:53.911:INFO:main: Logging initialized @2445ms to org.seleniumhq.jetty9.util.log.StdErrLog
19 05:03:54.319 INFO [Hub.start] - Selenium Grid hub is up and running
20 05:03:54.320 INFO [Hub.start] - Nodes should register to http://10.131.11.166:4444/grid/register/
21 05:03:54.321 INFO [Hub.start] - Clients should connect to http://10.131.11.166:4444/wd/hub
22 05:06:48.523 INFO [DefaultGridRegistry.add] - Registered a node http://10.129.10.201:5555
```

```

selenium-node-chrome-q9x4b created 7 hours ago
browser chrome
Details Environment Metrics Logs Terminal Events
Container: master — Running Log from Apr 6, 2018 10:36:45 AM
1 /opt/bin/entry_point.sh: line 4: /opt/selenium/config.json: Permission denied
2 05:06:46.871 INFO [GridLauncherV3.launch] - Selenium build info: version: '3.11.0', revision: 'e59cfb3'
3 05:06:46.876 INFO [GridLauncherV333.launch] - Launching a Selenium Grid node on port 5555
4 2018-04-06 05:06:47.077:INFO:main: Logging initialized @899ms to org.seleniumhq.jetty9.util.log.StdErrLog
5 05:06:47.636 INFO [SeleniumServer.boot] - Welcome to Selenium for Workgroups....
6 05:06:47.636 INFO [SeleniumServer.boot] - Selenium Server is up and running on port 5555
7 05:06:47.636 INFO [GridLauncherV333.launch] - Selenium Grid node is up and ready to register to the hub
8 05:06:47.642 INFO [SelfRegisteringRemote.registerToHub] - Starting auto registration thread. Will try to register every 5000 ms.
9 05:06:47.642 INFO [SelfRegisteringRemote.registerToHub] - Registering the node to the hub: http://10.131.11.166:4444/grid/register
10 05:06:48.532 INFO [SelfRegisteringRemote.registerToHub] - Updating the node configuration from the hub
11 05:06:48.669 INFO [SelfRegisteringRemote.registerToHub] - The node is registered to the hub and ready to use
12 05:11:10.262 INFO [ActiveSessionFactory.apply] - Capabilities are: Capabilities {browserName: chrome}
13 05:11:10.264 INFO [ActiveSessionFactory.lambda$apply$11] - Matched factory org.openqa.selenium.remote.server.ServicedSessionFactory (provider: org.openqa.selenium.chrome.ChromeDriverService)
14 Starting ChromeDriver 2.37.544315 (738aa6a5fdba159ac9f4c1e8cbc59bfb5ce12b7) on port 8643
15 Only local connections are allowed.
16 [1522991470.567][SEVERE]: Failed to create /.pki/nssdb directory.
17 05:11:13.743 INFO [ProtocolHandshake.createSession] - Detected dialect: OSS
18 05:11:15.149 INFO [RemoteSessionFactory.lambda$performHandshake$0] - Started new session 3c73fdee71cfe5b2fa77fe3278a121f (org.openqa.selenium.chrome.ChromeDriverService)
19 05:11:17.108 INFO [ActiveSessionFactory.apply] - Capabilities are: Capabilities {browserName: firefox}
20 05:11:17.109 INFO [ActiveSessionFactory.lambda$apply$11] - Matched factory org.openqa.selenium.remote.server.ServicedSessionFactory (provider: org.openqa.selenium.firefox.GeckoDriverService)
21 05:41:15.354 INFO [ActiveSessions$1.onStop] - Removing session 3c73fdee71cfe5b2fa77fe3278a121f (org.openqa.selenium.chrome.ChromeDriverService)

```

Since I am setting this in to private Openshift environment. Which our organization has created I also create route as mentioned below.

Routes [Learn More](#) Create Route

Filter by label  Add

Name	Hostname	Routes To	Target Port	TLS Termination
<a href="#">selenium-hub</a>	<a href="http://selenium-hub-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com">http://selenium-hub-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com</a>	<a href="#">selenium-hub</a>	web	
<a href="#">selenium-node-chrome</a>	<a href="http://selenium-node-chrome-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com">http://selenium-node-chrome-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com</a>	<a href="#">selenium-node-chrome</a>	node-port	
<a href="#">test143-pradeep</a>	<a href="http://test143-pradeep-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com">http://test143-pradeep-recoveryfacts.ocp-ctc-dmz-nonprod.optum.com</a>	<a href="#">test143-pradeep</a>	8080-tcp	

Selenium hub and node seems connected but still I am not sure why these are not working and why I am not able to use this from my selenium scripts. <http://10.131.11.166:4444/wd/hub>

1. Once selenium grid is setup how I can use that in my test scripts. Do I need to perform other steps in OpenShift or it will be all set to use.
2. Do you have any documentation which explain about all steps I am just new to OpenShift and trying to increase my understanding.

Can you please look and help me to resolve this error.

Thanks  
 Vikas Sahni  
 vikassahniar@gmail.com