SGWSADM additional exercise

In this exercise you will investigate the nodetool on storage nodes and create a problem by stopping Cassandra on one node.

1. Open your putty from the desktop. In the Host Name bar enter the following ip address:

192.168.0.6 (this is dc1-s1)

In Saved Sessions enter the name of the node "dc1-s1" Click **Save**. Click **Open**.

8	PuTTY Configuration
Category: Session Constant Logging Category: Session Constant Logging Category: Comparison Category: Selection Colours Connection Colours Connection Colours Connection Colours Selection Selection Colours Selection Selecti	Puttry Configuration Basic options for your Puttry session Specify the destination you want to connect to Host Name (or IP address) Port 192.168.0.8 22 Connection type: Paw Raw Telnet Rlogin Saved Sessions dc1-s1 Default Settings Load Linux Client NAS Bridge SG Admin Node (DC1-ADM1) Delete Close window on exit: Only on clean exit
About	Open Cancel

- At the login prompt type the username "admin", and the password "bycast".
- 3. Make sure you become root by running "sudo bash" If asked for a password, type "bycast"
- 4. Run "nodetool status"

admin@DC1-S1:~ \$ nodetool status Datacenter: group10 _____ Status=Up/Down // State=Normal/Leaving/Joining/Moving Load Tokens -- Address Owns (effective) Host ID Rack 100.0% 8a785046-921a-46b7-9862-863acbf1d92a unknown UN 192.168.0.8 1.73 MiB 256 UN 192.168.0.6 1.98 MiB 256 UN 192.168.0.7 1.89 MiB 256 100.0% 1c3c32c5-5769-4fbc-aa33-e7775596af53 unknown 100.0% 07c5fec9-1b14-4566-8cef-02d35f646cbc unknown Datacenter: group20 _____ Status=Up/Down // State=Normal/Leaving/Joining/Moving
 Tokens
 Owns (effective)
 Host 1D

 256
 100.0%
 b8cce0d2-5070-47a7-b1f1-b37e3752c6c5
 unknown
 -- Address Load UN 192.168.0.16 1.7 MiB 256 UN 192.168.0.17 1.45 MiB 256 UN 192.168.0.18 1.48 MiB 256 100.0% 12f39c4b-2706-43c7-9789-a208f805cb96 unknown Datacenter: group30 Ĩ _____ Status=Up/Down // State=Normal/Leaving/Joining/Moving -- Address Load Tokens Owns (effective) Host ID Rack 256 UN 192.168.0.26 1.73 MiB UN 192.168.0.27 1.47 MiB 100.0% 1403b3d0-918c-4aff-8ed4-a75f53e39c6c unknown 256 100.0% 98abdb2b-b47d-44bc-8739-42ace7d1adb4 unknown UN 192.168.0.28 1.46 MiB 256 100.0% 16c02950-4830-4424-8f4b-f3f45d03d8a6 unknown

The output shows all storage nodes, the load and other information.

5. To check whether Cassandra is running:

root@DC1-S1:/home/admin # service cassandra status cassandra running for 1d, 8h, 33m, 12s root@DC1-S1:/home/admin #

6. Stop Cassandra:

root@DC1-S1:/home/admin # service cassandra stop stopping cassandra ... done 7. In the administration dashboard go to alams -> current alarms

← → C ŵ ① № https://192.168.0.10/grid/#/dashboard										
NetApp [®] StorageGRID [®]										
Dashboard	💧 Alarms	s 🕶 🛛 N	lodes	Tenants	ILM 👻	Config	juration 👻	Maintenance 👻	Support 🗸	
Dashboard	board Alarms Alerts (Preview) Current Alarman Alerts Historical Alarma Silences									
Health 🕄	Global Aları Email Setu	ms p	Notifications Rules				Availab	le Storage 🛛 😧		
	Major Minor License Status Overall					Overall 🖪				
	View current alarms ⊂ View license details						Used			

8. In the current alarms window, see that Casandra data store is down and that the daemon is not running.

Current Alarms

Last Refreshed: 2020-12-01 13:38:36 CET

Show Acknowledged Alarms (1 - 2 of 2)							
Severity	Attribute	Service	Description	Alarm Time	Trigger Value	Current Value	
🔔 Major	CASA (Data Store Status)	Data Center 1/DC1-S1/DDS	Data Store Down	2020-12-01 13:35:09 CET	Down	Down	
🛞 Minor	SVST (Status - Cassandra)	Data Center 1/DC1-S1/SSM	Not Running	2020-12-01 13:36:42 CET	Not Running	Not Running	
Show 5	0 👻 Records Per Page	Refresh				« 1 » Next	

9. On the linux command line, start Cassandra again and view the status (ignore the error).

```
root@DC1-S1:/home/admin # service cassandra start
starting cassandra ... /usr/local/lib/site_ruby/bycast/runit.rb:665:in ``': No
    from /usr/local/lib/site_ruby/bycast/runit.rb:665:in `block in start_se
    from /usr/local/lib/site_ruby/bycast/runit.rb:660:in `loop'
    from /usr/local/lib/site_ruby/bycast/runit.rb:660:in `start_service'
    from /usr/local/lib/site_ruby/bycast/runit.rb:783:in `initd'
    from /usr/local/lib/site_ruby/bycast/runit.rb:783:in `initd'
    from /etc/init.d/cassandra:23:in `<main>'
root@DC1-S1:/home/admin # service cassandra status
cassandra running for 3s
root@DC1-S1:/home/admin #
```

In the administration tool, refresh the alarm page, and see that the alarms are gone.

Historical Alarms

Select an attribute and then either a Quick Query or a Custom Query.

Attribute:	All 🗸			
Quick Query:	Last 5 Minutes	Last I	Hour	Last Day
	Last Week	Last N	1onth	
Custom Query:	Start Date: 2020/12/01	13:46:07	YYYYMM	DD HH:MM:SS
	End Date: 2020/12/01	13:46:07	YYYYMM	DD HH:MM:SS
	Custom Query			

10 In the historical alarm, check "last 5 minutes" and see that Casandra is fine again.

Historical Alarms

2020-12-01 13:41:31 CET to 2020-12-01 13:46:31 CET

						(1 - 2 of 2)
Severity	Attribute	Service	Description	Alarm Time	Trigger Value	Acknowledge Time
Normal	CASA (Data Store Status)	Data Center 1/DC1-S1/DDS/Data Store	Alarm Cleared	2020-12-01 13:43:24 CET	Up	
Normal	SVST (Status - Cassandra)	Data Center 1/DC1-S1/SSM /Services	Alarm Cleared	2020-12-01 13:43:08 CET	Running	
Show 50	✓ Records Per Page	Refresh				ous « 1 » Next