

Good day, Red hat Team!

I attached some configuration and logs that I execute from my local server, Kindly see the attached file below:

Domain Failover Config:

1. Domain Controller = /opt/jboss/domain/configuration/host-master.xml

```
<domain-controller>
  <local/>
</domain-controller>
```

2. Host-Controller1(name=host1)

```
<domain-controller>
  <local>
    <discovery-options>
      <static-discovery name="primary" protocol="${jboss.domain.master.protocol:remote+http}" host="192.168.93.203" port="${jboss.domain.master.port:9990}"/>
    </discovery-options>
  </local>
</domain-controller>
```

3. Host-Controller(name=host2)

```
<domain-controller>
  <remote security-realm="ManagementRealm" username="host2" >
    <discovery-options>
      <static-discovery name="primary" protocol="${jboss.domain.master.protocol:remote+http}" host="192.168.93.203" port="${jboss.domain.master.port:9990}"/>
      <static-discovery name="host1" protocol="${jboss.domain.master.protocol:remote+http}" host="192.168.93.204" port="${jboss.domain.master.port:9990}"/>
    </discovery-options>
  </remote>
</domain-controller>
```

Promoting Host1 to be Domain Controller

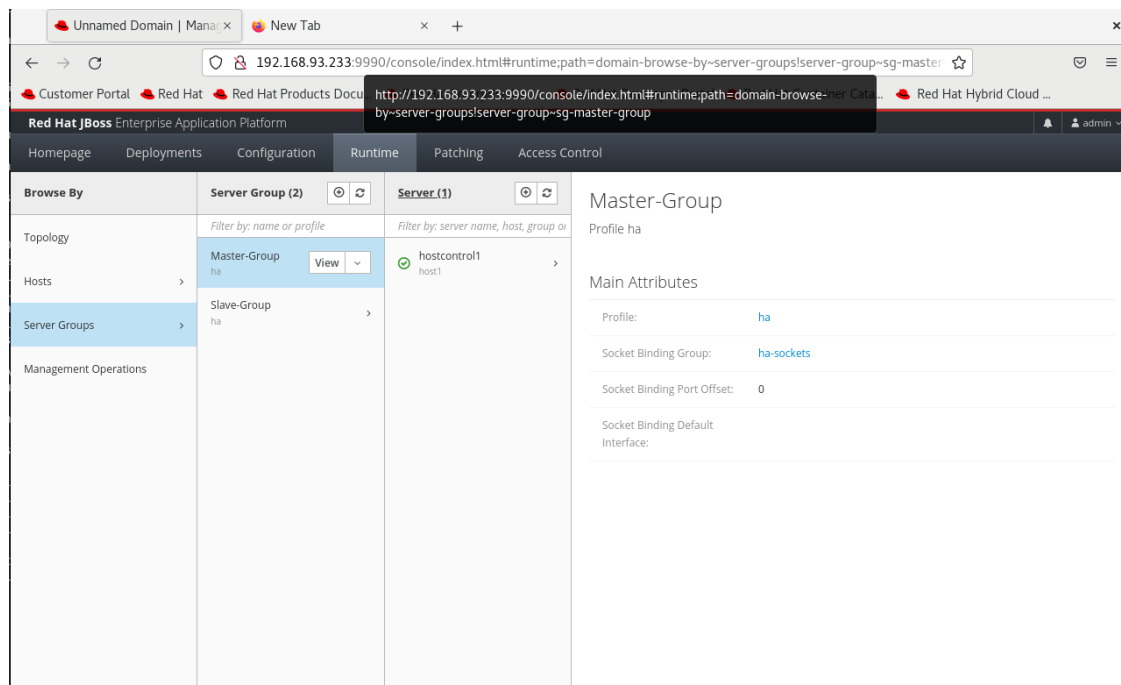
```
[domain@192.168.93.204:9990 /] /host=host1:write-local-domain-controller
{
  "outcome" => "success",
  "result" => undefined,
  "response-headers" => {
    "warnings" => [{
      "warning" => "WFLYCTL0449: Operation write-local-domain-controller against the resource at address /host=host1 is deprecated, and it might be removed in future version. See the the output of the read
-operation-description operation to learn more about the deprecation.",
      "level" => "WARNING",
      "operation" => {
        "address" => [{"host" => "host1"}],
        "operation" => "write-local-domain-controller"
      }
    ]},
    "process-state" => "reload-required"
  },
  "server-groups" => undefined
}

[domain@192.168.93.204:9990 /] reload --host=host1
[domain@192.168.93.204:9990 /]
```

Note: I test it while the Main Domain Controller has been down to ensure that the newly promoted domain will be exposed only and Host-Controller2 will detect.

The issue I encountered in Host-Controller 2

```
2.168.93.204,port=9990). Error was: java.lang.IllegalStateException: WFLYHC0043: Unable to connect due to authentication failure.
[Host Controller] 10:23:41,816 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0147: No domain controller discovery options remain.
[Host Controller] 10:23:56,816 INFO [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0150: Trying to reconnect to master host controller.
[Host Controller] 10:23:56,836 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0146: Could not discover master using discovery option StaticDiscovery(protocol=remote+http,host=19
2.168.93.204,port=9990). Error was: java.lang.IllegalStateException: WFLYHC0043: Unable to connect due to authentication failure.
[Host Controller] 10:23:56,837 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0147: No domain controller discovery options remain.
[Host Controller] 10:24:11,837 INFO [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0150: Trying to reconnect to master host controller.
[Host Controller] 10:24:11,854 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0146: Could not discover master using discovery option StaticDiscovery(protocol=remote+http,host=19
2.168.93.204,port=9990). Error was: java.lang.IllegalStateException: WFLYHC0043: Unable to connect due to authentication failure.
[Host Controller] 10:24:11,854 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0147: No domain controller discovery options remain.
[Host Controller] 10:24:26,854 INFO [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0150: Trying to reconnect to master host controller.
[Host Controller] 10:24:26,876 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0146: Could not discover master using discovery option StaticDiscovery(protocol=remote+http,host=19
2.168.93.204,port=9990). Error was: java.lang.IllegalStateException: WFLYHC0043: Unable to connect due to authentication failure.
[Host Controller] 10:24:26,876 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0147: No domain controller discovery options remain.
[Host Controller] 10:24:41,876 INFO [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0150: Trying to reconnect to master host controller.
[Host Controller] 10:24:41,899 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0146: Could not discover master using discovery option StaticDiscovery(protocol=remote+http,host=19
2.168.93.204,port=9990). Error was: java.lang.IllegalStateException: WFLYHC0043: Unable to connect due to authentication failure.
[Host Controller] 10:24:41,900 WARN [org.jboss.as.host.controller] (Host Controller Service Threads - 2) WFLYHC0147: No domain controller discovery options remain.
```



When I check the new candidate domain controller(dc)/host-controller1, I can't connect to the host-controller2

I assumed that the host-controller2 will be connected to the host-controller1 or the new domain controller(dc)

looking forward to your feedback on this matter.

Thank you and keep safe!