**CPF Careshield**

**DevOps Database cluster ip configurations**

**Pre-requisites:**

**Note: For all azure vm login must be through CPF DevOps.**

Step 1. Login to RTC (vmcmn..apps06/07) active/passive azure vm

Step 2. Execute below command to verify if RTC application server able to communicate to cluster Database virtual ip.

Curl -v <telnet://10.210.37.60:4133>

Step 3. If connection successful, you will see “connected” message printing out on the console.

Step 4. Similarly, run the command in Step 2 by logging to SonarQube application servers (vmcmn..apps08/09) and verify if connectivity is established between sonarqube app server and cluster database virtual ip**.**

**Steps to apply the changes for IBM RTC:**

Step 1. Ensure azure vm level backup is in place for both IBM RTC application servers (active/passive)

Step 2. Login to IBM RTC azure vm/active instance vmcmn..apps07 and take back up of below folder

<IBM\_RTC\_HOME>/jazzteamserver

Step 3. Take backup of below files as well.

<IBM\_RTC\_HOME>/jazzteamserver/conf/jts/teamserver.properties

<IBM\_RTC\_HOME>/jazzteamserver/conf/ccm/teamserver.properties

<IBM\_RTC\_HOME>/jazzteamserver/conf/relm/teamserver.properties

Step 4. Open “Services” from the windows search bar and Stop the “Engineering life management service” (RTC Service) and verify that ibm rtc application is stopped and is not running by accessing the url (https://hc-hcm.prd.careshieldlife.gov.sg/jts/web) via browser.

Step 5. Update the database hostname to point to the new cluster database virtual ip in below jdbc variable and respective config files.

NOTE: Replace <applicationBundle> with jts, ccm and realm in below paths/values to update the cluster database virtual ip in different config files

<IBM\_RTC\_HOME>/jazzteamserver/conf/<applicationBundle>/teamserver.properties

FROM:

com.ibm.team.repository.db.jdbc.location=//vmcmnosdb02\\CSHLRTCPRD2\:4133;databaseName\=<applicatioBundle>;user\=<applicationBundle>DBUser;password\={password}

TO:

com.ibm.team.repository.db.jdbc.location=//10.210.37.60\:4133;databaseName\=<applicatioBundle>;user\=<applicationBundle>DBUser;password\={password}

for example:

To update the cluster database virtual ip for “jts” applicationBundle.

Navigate to

<IBM\_RTC\_HOME>/jazzteamserver/conf/jts/teamserver.properties

And change below value

**FROM:**

com.ibm.team.repository.db.jdbc.location=//vmcmnosdb02\\CSHLRTCPRD2\:4133;databaseName\=<applicatioBundle>;user\=<applicationBundle>DBuser;password\={password}

**TO:**

com.ibm.team.repository.db.jdbc.location=//10.210.37.60\:4133;databaseName\=jts;user\=jtsDBuser;password\={password}

Similarly, update these changes across other applicationBundles ccm/realm etc if any required.

Step 6. Once done, save the changes and Start the “Engineering Lifecyle Management” Windows service

Step 7. Launch IBM RTC application

https://hc-hcm.prd.careshieldlife.gov.sg/jts/admin via browser via browser, login as admin, Navigate to Server Administration from right top “settings icon” and verify the database status is connected and database ip (should be the one updated in Step 5)

Step 8. Similarly, perform the above Steps to update cluster database virtual ip in IBM RTC passive server (vmcmn..apps06)

Please take note not start the RTC services in both active/passive instances together at the same time.

If RTC service in passive instance is already stopped, go ahead and update the ip changes in respective config files as indicated in above steps.

Once done, to verify the changes in RTC passive instance, Make sure to bring down the RTC service running in active instance before starting the RTC service in passive instance.

Step 9. Once updated the changes in RTC passive instance and started the RTC service, Launch IBM RTC application

https://hc-hcm.prd.careshieldlife.gov.sg/jts/admin via browser via browser, login as admin, Navigate to Server Administration from right top “settings icon” and verify the database status is connected and database ip (should be the one updated in Step 5)

**Steps to apply the changes for SonarQube:**

Step 1. Ensure azure vm level backup is in place for both Sonarqube application servers (active/passive)

Step 2. Login to SonarQube azure vm/active instance vmcmn..apps09 and take back up of below folder

<SONARQUBE\_HOME>/conf

Step 3. Take backup of below file as well.

<SONARQUBE\_HOME>/conf/sonar.properties

Step 4. Open “Services” from the windows search bar and Stop the “SonarQube” (Sonar Service) and verify that sonarqube application is stopped and is not running by accessing the url (https://hc-hcm.prd.careshieldlife.gov.sg/sonarqube) via browser.

Step 5. Update the database hostname to point to the new cluster database virtual ip in below jdbc variable in <SONARQUBE\_HOME>/conf/sonar.properties file

FROM:

sonar.jdbc.url=jdbc:sqlserver:// vmcmnosdb02\\CSHLRTCPRD2\:4133;databaseName=sonar;\*\*\*\*

TO:

sonar.jdbc.url=jdbc:sqlserver:// 10.210.37.60\:4133;databaseName=sonar;\*\*\*\*

Step 6. Once done, save the changes and Start the “SonarQube” Windows service

Step 7. Launch SonarQube application

https://hc-hcm.prd.careshieldlife.gov.sg/sonarqube via browser via browser, login as admin, Navigate to Administration > “System”, verify system status as connected and scroll down to “Database” section and verify the values under database URL (should be the one updated in Step 5)

Step 8. Similarly, perform the above Steps to update cluster database virtual ip in SonarQube passive server (vmcmn..apps08)

Please take note not start the SonarQube services in both active/passive instances together at the same time.

If SonarQube service in passive instance is already stopped, go ahead and update the ip changes in respective config files as indicated in above steps.

Once done, to verify the changes in SonarQube passive instance, Make sure to bring down the SonarQube service running in active instance before starting the SonarQube service in passive instance.

Step 9. Once updated the changes in SonarQube passive instance and started the SonarQube service, Launch SonarQube application

https://hc-hcm.prd.careshieldlife.gov.sg/sonarqube via browser via browser, login as admin, Navigate to Administration > “System”, verify system status as connected and scroll down to “Database” section and verify the values under database URL (should be the one updated in Step 5)