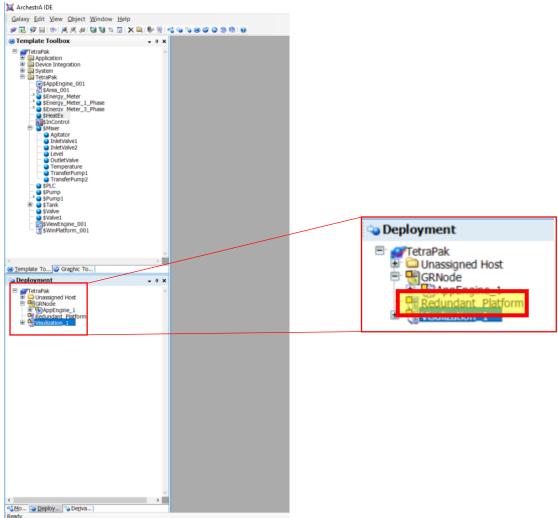
REDUNDANCY CONFIGURATION



Wonderware® Application Server

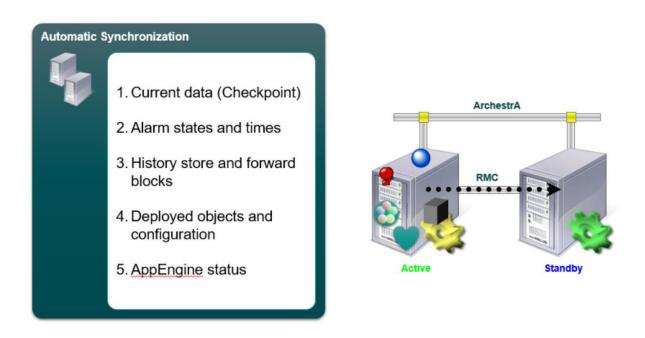


- Configure the WinPlatforms with their corresponding local RMC IP addresses.
- 2. Configure the AppEngine to be redundant.
- 3. Assign the AppEngines (Primary and Backup) to the WinPlatforms.
- Create one Redundant Platform apart from AOS or GR node which you want to keep as Backup or Standby.

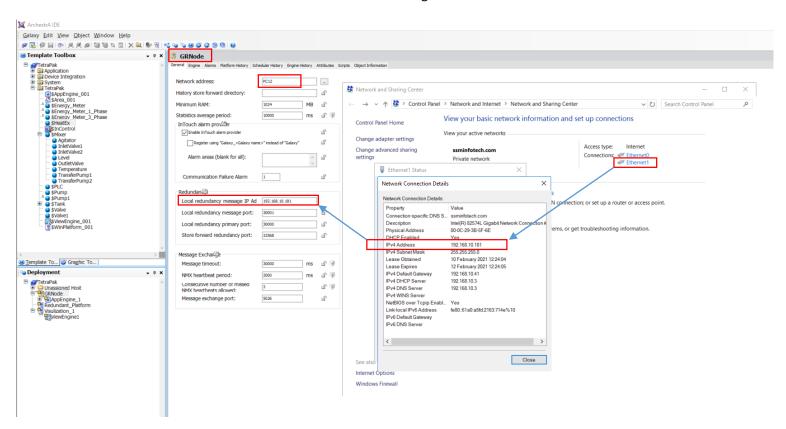


• To configure redundancy in Platform Assign RMC Address (Redundant Message Channel) → this will be IP address of 2nd network Card.

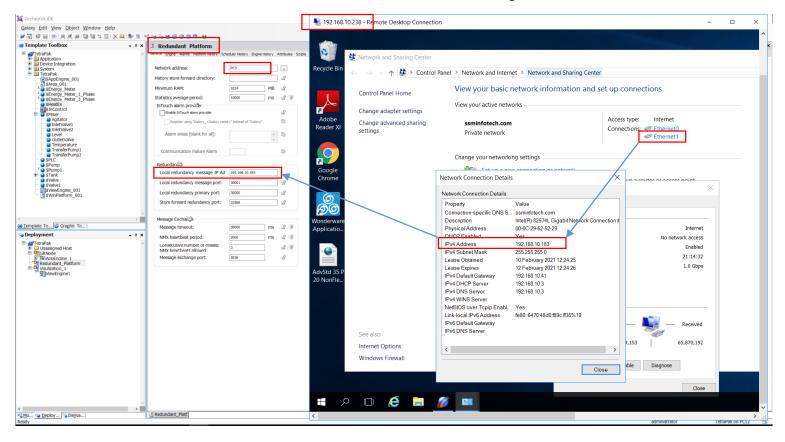
REDUNDANT MESSAGE CHANNEL



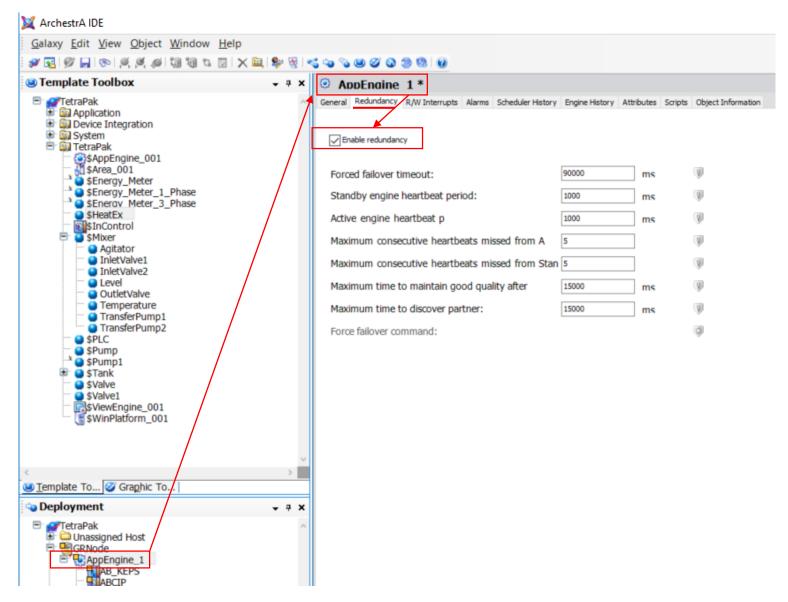
Here IP of 2nd Network Card is 192.168.10.181 which is configured as RMC address.



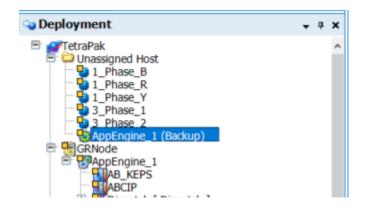
- After Creating Redundant Platform Assign Network Address where platform needs to be deployed.
- To configure redundancy in Platform Assign RMC Address (Redundant Message Channel) \rightarrow This will be IP address of 2nd network Card.
 - Here 1st IP of redundant Platform is 192.168.10.238
 - Here 2nd IP of Redundant Platform is 192.168.10.183 which is configured as RMC address.



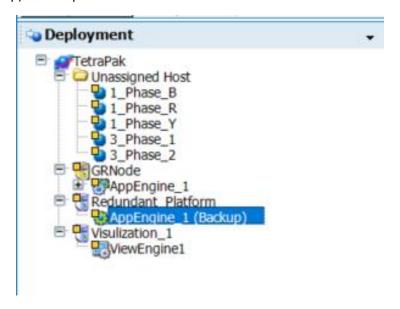
- After Configuring Both Platform for Redundancy, AppEngine must be configured for same.
- To configure AppEngine for Redundancy
 - o 1st UnDeploye the AppEngine then Open it.
 - o Go to the Redundancy Tab and Check in Box "Enable Redundancy" then Save and close.



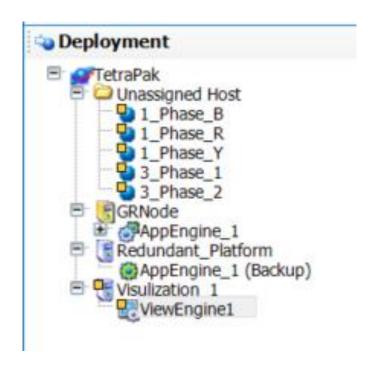
• After Save and close the AppEngine one identical AppEngine with "(Backup)" added at last in Name will appear in Unassigned Host folder.



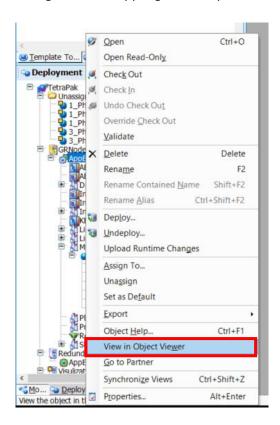
• Drag AppEngine(Back Up) and drop it under Redundant Platform.



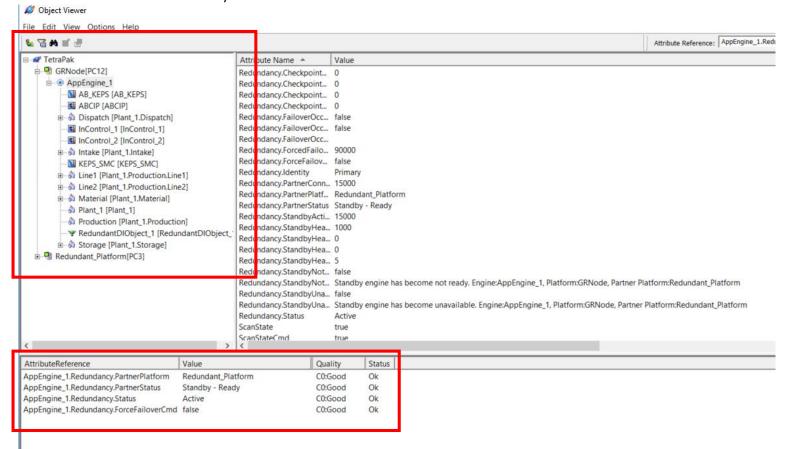
- Deployment Sequence:
 - 1st Deploy GR Node along with AppEngine.
 - 2nd Deploy Redundant Platform along with Backup AppEngine.
- UnDeployment Sequence:
 - o 1st UnDeploy Redundant Platform along with Backup AppEngine.
 - 2nd Deploy GR Node along with AppEngine.
 - **Note: LIFO Method (Last In First Out) Last deployed platform must be Undeploy first.



• After completion of Deployment, right click on AppEngine and open it in Object Viewer.



- After Starting Object Viewer Select the below highlighted parameters and add them in watch window.
 - Redundancy.PartnerPlatform
 - o Redundancy .PartnerStatus
 - Redundancy.Status
 - Redundacy.ForceFailoverCmd



• Currently all Objects are deployed and working under GR Node's AppEngine.

- Now to check and test Redundancy double click on **Redundacy.ForceFailoverCmd** and make it true, this will initiate manual fail over of Main AOS or GR node and Redundancy will activate.
- After Redundancy activated we can see Redundancy.PartnerPlatform is changed in Object viewer and all
 objects are moved under the Redundant Platform's AppEngine (Backup).
- As we can see in below Image all objects are moved under the Redundant Platform's AppEngine (Backup) after redundancy is activated.

