Azure Policy Compliance and Remediation

Background

Azure policies enforce different rules and effects over resources, so that those resources stay compliant with corporate standards and service level agreements within BHP cloud environment.
Azure Policy meets this need by evaluating resources for non-compliance with assigned policies based on the policy effect that is defined and assigned against the resource/service.

Pre-req

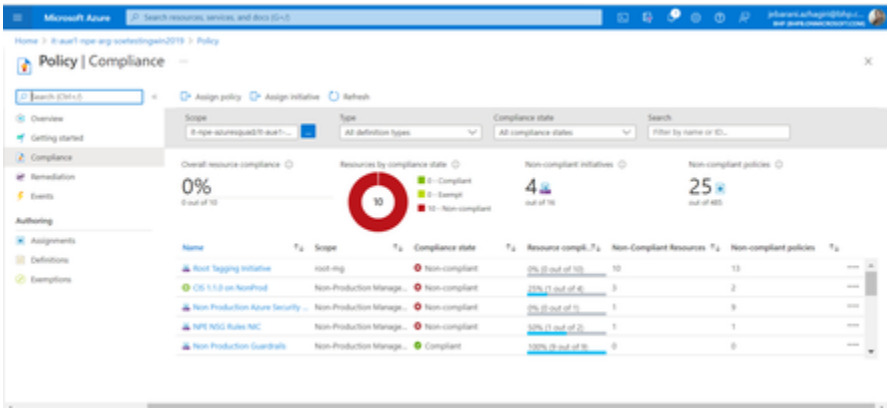
After a change or update to the code, test it and ensure the resources are compliant to Azure Policy.

How to verify policy compliance

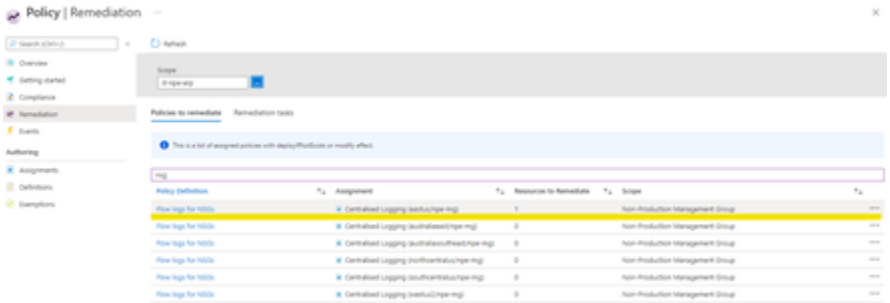
Verify the resources and the compliance status under the subscription and check whether it is compliant. If a resource is marked ‘non-compliant’, no action is required. You can reach out to Cloud Factory team to execute the policy remediation job.

Steps

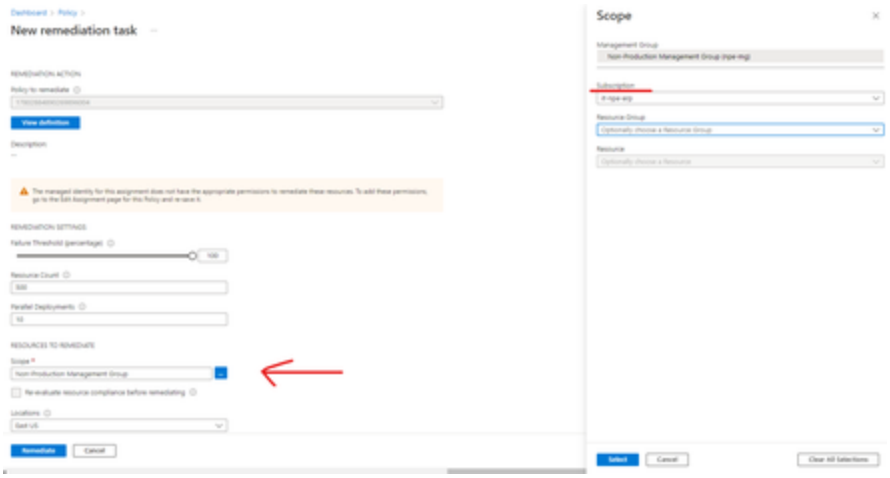
1. Login to Azure portal and select the respective subscription.
2. Go to the resource group. E.g., it-aue1-npe-arg-soetestingwin2019
3. Go to **Policies** on the left-hand menu option.
4. Click on **Compliance**.



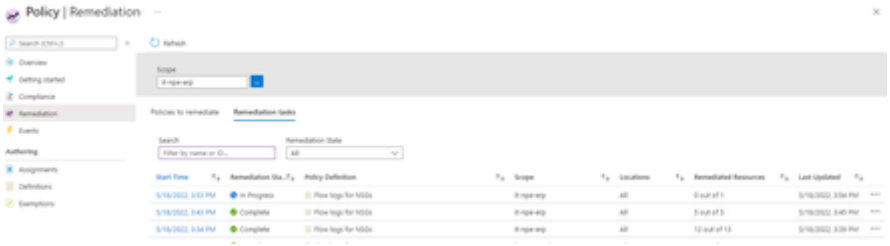
5. Check the **Compliance state** column in the list.
6. If the status is **Compliant**, there will be a green tick mark.
7. If the status is **Non-compliant**, there will be a red cross mark.
8. Note the resource compliance percentage, number of non-compliant resources and number of non-compliant polices against the resource.
9. Click on **Remediation > Policies to remediate** to create remediation task
10. Choose the policy that requires remediation



11. Define the scope. **It is critical to to constrain the scope and avoid rolling out the remediation to too many resources.**



12. Click on Remediate button to start remediation
13. Status can be check in Remediation > Remediation tasks



Following may appear while creating the remediation task and should be disregarded.

- The managed identity for this assignment does not have the appropriate permissions to remediate these resources. To add these permissions, go to the Edit Assignment page for this Policy and re-save it.

If remediation fails its often because there are conflicting settings that need to be dealt with on the resource first.