



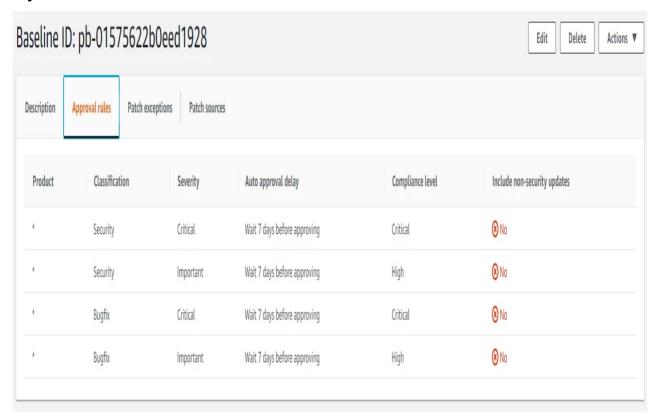
Lasi upualeu Api 13, 2013

Patching is quarterly exercise which includes Linux instances in Dev-test and OAT-PROD AWS account. Patching is done one environment of all stacks in one time. Config team to be agreed on date and time schedule(all env. except PROD, PROD will go though Change Management).

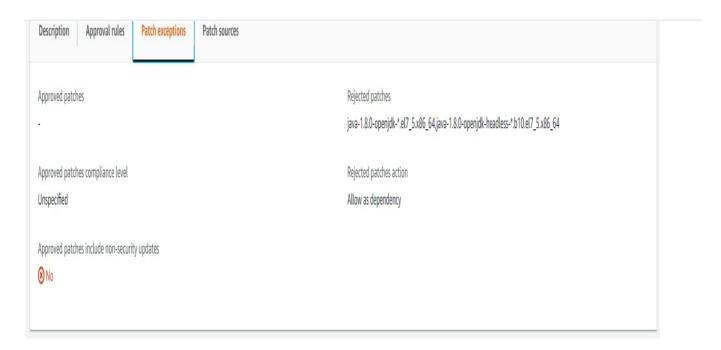
AWS Systems Manager is used for patching the instances. Below is detailed step-by-step process.

- 1. Select instances to be patched and verify yum cache is updated.
- 3. ansible soaint -m shell -a "yum clean all && rm -rf /var/cache/yum" --become --ask-sudo-pass
- 4. Ensure all the instances that you are patching, have "Patch Group" tag i.e. Patch Group = DEV SOA7. Tag editor can be used to create tags
- 5. Create Patch baseline with following rules.

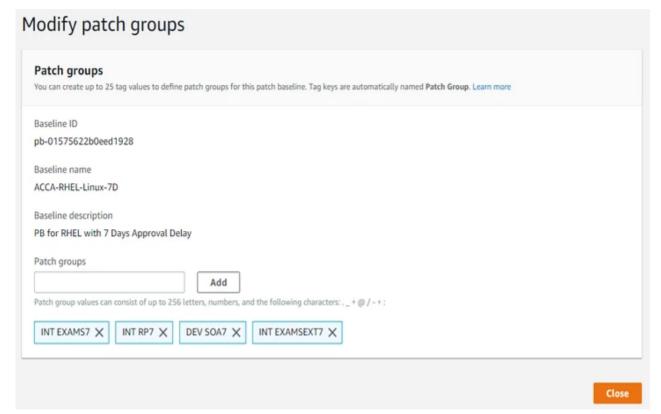
Note: Auto Approval delay will remain will change for each PB to be in line with all lower environments' PB. For example: We used 7 days' approval delay in DEV environment, and we patch INT environment after 'N' days then approval delay for INT environment will be '7+N' days.





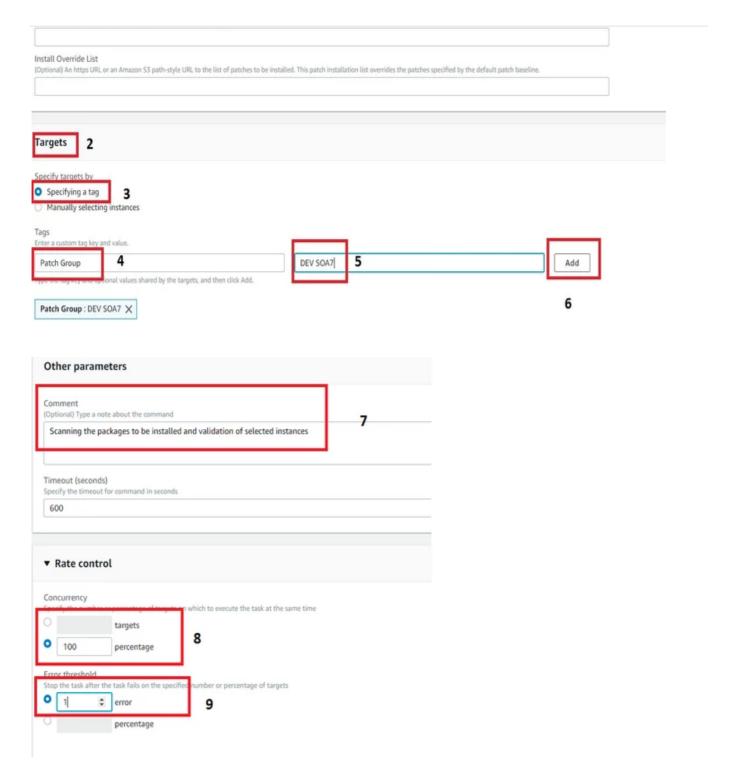


5. Attach the patch groups to the patch baseline. Actions → Modify Patch Group → Save. In this example DEV SOA7 patch group is attached. (Here Dev indicates DEV environment and SOA is stack and 7 is indicating the approval delay for package release. You can give any value to Patch Group Tag but we are following this convention for ease of management.)



- 6. i) AWS Systems Manager → Actions → Run Command → Select AWS-RunPatchBaseline
- ii) Select Default Version At runtime.
- iii) Command paramaters  $\rightarrow$  Operation: Scan , Targets  $\rightarrow$  Select Specifying a Tag. And under tags: add Examaple  $\rightarrow$  Patch Group : DEV SOA7  $\rightarrow$  Click Add button

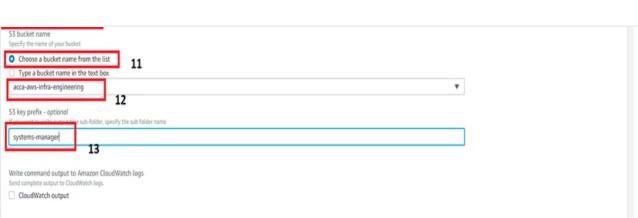




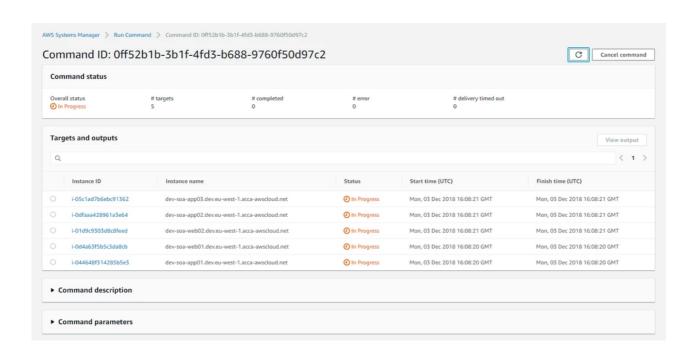
▶ SNS notifications

▶ AWS command line interface command

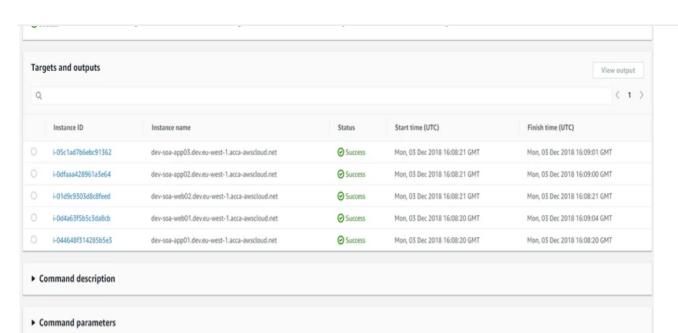
AWS Infrastructure / Patching / Patching Procedure



Scanning will give you insight, whether instances are reachable from systems manager. You can read the results in S3 bucket output and validate that correct PatchBaseline is being picked up.



14



7. Repeat Step 6 with **"Operation: Install"** instead of scan. This will update the packages according to patchbaseline approval rules.



No labels

