Process and Timeline for Post-Euphrates Jenkins Upgrade

To ensure CI systems are stable while also being kept up-to-date with the latest Jenkins LTS release, the following process and general timeline is proposed in order to smoothly transition build.opnfv.org from CentOS 6 to CentOS 7.

Process

1. New Jenkins system is created with new LTS version and configured to match the current Jenkins server.
2. The new system and timeline of upgrade is announced to the Infra-WG. (Nov 20th. 2017)
3. Any relevant issues mentioned in the change log between LTS version is discussed at the Infra-WG, while also being addressed on the new system.
   For example: There is a known bug when upgrading to 2.73.x of "Randomly occurring connection failures with passphrase-protected ed25519 SSH keys".
   So we would ensure that the new system isn't using ed25519 SSH keys.
4. A selection of PODs are connected and some selection of jobs are manually triggered. (Nov 27th - Dec 9th 2017)
   This ensures all relevant plugins work and job configurations are correct, and PODs still work when connected to the new system
5. If the system appears to be in order, the Infra-WG will pass along a recommendation to the TSC. (Dec 18th 2017)
6. The TSC greenlights the transtion. (Dec 19th 2017)
7. A downtime window is scheduled to switch the backend server for build.opnfv.org to the new host. (Jan 6th 2017)

Timeline

Date	Change
Nov 20th, 2017	New Jenkins system is created and configured to match the current Jenkins system
Nov 20th	New system and upgrade timeline is shared with the Infra-WG
Jan 9th - Jan 19th	Some PODs are connected and jobs are run to verify Jenkins works as intended, and any job issues are addressed.
Jan 22nd	If system is working as intended, Infra-WG passes along a recommendation to TSC
Jan 23rd	TSC agrees/votes on transition. Downtime window is proposed
Options: Jan 27th, Feb 3rd, Feb 10th	Downtime window is scheduled and build.opnfv.org DNS is switched to new server.