Setup RELEASE Pipeline

This document is an outline and provides hints on how to setup the release pipeline based on the practicals already covered so far in the list.

1. Concept of release pipeline:

Release pipeline is an automated system that handles the code flow or journey from the developer machine to the release or production systems automatically.

2. Code flow and usecases

1. developer checks out the code from SVN or GIT server
2. Developer commits or pushes the code back to the server after making changes
3. Jenkins integrates with SVN or GIT and starts a build once it identifies the code change
4. Jenkins may have a set of checks or build steps for validation of code and generating final builds
5. Jenkins may deploy(or copy) the final code or build artifacts to the production machine.
6. Jenkins can also send notifications for failure to the respective developers who committed the latest batch
7. nagios, dns and dhcp acts as support systems and contribute in setting up the environment, but does not directly contribute to code movement.
8. The production machine used for deployment is configured using puppet modules.