**NAD End to End Deployment Steps**

1. APW:

* It is Entry point for project onboarding generates reports, dashboard
* To see available projects in staging environment of NAD to onboard projects by Project Manager:

My Dashboard=>NAD Eligible

1. CaaS:

* This is where project plan needs to be created after project is onboarded by Project Manager
* Plan include requirements,work breakdown, resources management, release, scheduling of tasks, report generated.

1. DiCD:

Repository created by NAD once plan is created by project Team.

Code Pushed By developers

NAD team then executes pipeline according to technology stack i.e. Git or TFS along with customizations if required.

1. Dtas:

Prototypes created

1. Uaas:

Training Pod

1. Meps:

Has common portfolios created which can be reused

Project Manager Creates Plan=>it will be moved to DiCD phase=>Project manager will create a repo weather it will be GIT/TFS=>Gives access to his team members[master/developer access]=>Team can then access and Push the code

**Steps to be followed on NAD:**

1. Onboarding Project:

Go to APW Pod=> My Dashboard=>NAD Eligible=>Create a Project=>select Action as onboard=>select type of onboard=>Save

1. Create a Plan:

* Go to CaaS=> Enter Project Details by clicking ”+”
* Runbook Creation=>select execution type=>customized various fields=>estimation params, project params etc.
  + Requirements addition,etc then save the runbook
  + Task Breakup Template=>This will be having default tasks, you can edit, add or delete according to your requirement.
  + Requirement-Task Mapping=>Click on requirements=>shows all tasks under that requirement=> Remove tasks if not required=> Save
* Team Formation:

Create Team=>Add team details=>Add Team members

* Release and Team Planning: you can create monthly/qauterly/actual release plan
* Add using “+” =>Add release details
* Add Team
* Pull Requirements which needs to be delivered in that release
* Available Bandwidth=No of Resources X Duration of Release
* Save Release
* Allocate tasks to associates
* Schedule Tasks=>Early and Late Start dates save =>Displays Gantt chart shows effort
* After Kick-off release will be freezed.

1. PM has to go to DICD as an approver

* Switch to Workplace=>Card of release can be viewed
* Workflow selection: Lifecycle of task: Todo---In Progress---In Review---Completed
* My Tasks: view allocated tasks
* Users can create adhoc tasks if required.
* Now Create repository[In Project Configuration Tab]=>Click on ADD
* Provide details along with technology and repo type=>Save
* Provide access permissions to users[Master-build,push,deploy/Developer-only push]
* Pipeline Mapping:Apply pipeline according to your need
* See repository by going to Release/Sprint Backlog:
* Map requirements to repository by clicking on it=>Save
* My Tasks=>Map Tasks to repository
* Start Task=> Log effort=>Task is moved to WIP[Work in progress]

All pipeline steps are happening in jenkins server=>6 stages=>

1. checkout of code,
2. unit testing,
3. sonar analysis,
4. quality check,
5. build and deployment

groovy scripts are used to create pipeline scripts

1. Go to git repo=>Login

You should be able to see repo created for your project

Push code to task branch created “TSK”

1. After which pipeline should be applied and do deployment in NAD platform after code merged with Master branch

* Go to Deployment on NAD
* Select the type of environment in which deployment needs to be done.
* After which pipeline will be triggered.
* On clicking pipeline, you can view various staging and development of deployment process.
* If all turns green and notification of Deployment successful received, it is completed

1. If user needs to do changes in pipeline code:

* Goto Project Configurations
* Click on Repo
* Goto Pipeline Mapping
* Select your pipeline
* Scroll Down and select any pipeline stage on left and popup will arise, wherein you can change the pipeline code.