# One time Setup (Admin)

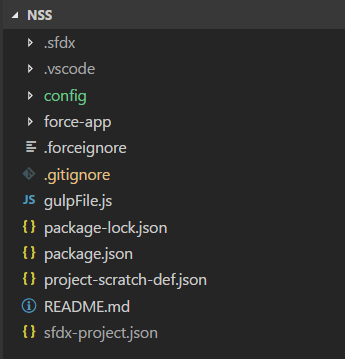
1. Creation of Branches
2. Branch structure
   1. master -> Prod
   2. qa -> TheQA
   3. dev -> Dev
3. Login to TheQA using CLI
   1. sfdx force:auth:web:login -r <https://test.salesforce.com> -d -a [alias]
   2. sfdx force:auth:web:login -r <https://test.salesforce.com> -d -a TheQA
4. Create Project
   1. sfdx force:project:create -n [ProjectName]
   2. Ex: sfdx force:project:create -n NSS
5. Create folder with name “Mdapipackage”
6. Download/Retrieve metadata using Intellij from TheQA to Mdapipackage folder
7. Convert from metadataapi format to SFDX format
   1. sfdx force:mdapi:convert -r mdapipackage
8. Install Node and run the below command
   1. npm install
   2. npm install gulp –g
   3. gulp project:clean
9. Push DX format to Sample Scratch org and fix deployment issues
   1. Refer below for the steps
10. Check-in the DX format to qa branch

# Admin Setup (Monthly)

1. Navigate to the Project folder / Create a Project folder if not available
2. Clone repository
3. Create Scratch org for every developers
   1. sfdx force:org:create -f config/project-scratch-def.json -a [Org Alias] -d 30
   2. Ex: sfdx force:org:create -f config/project-scratch-def.json –a AneeshSO –d 30
4. Install packages
   1. List down the packages installed in the source org using the below command
      1. sfdx force:package:installed:list -u [Org Alias]
   2. Install packages using the below command in the same order
      1. sfdx force:package:install -i [Package version Id] -k [Installation Key] -u [Scratch Org Alias]

|  |  |  |
| --- | --- | --- |
| **Package Name** | **Package version Id** | **Installation Key** |
| Apttus Configuration & Pricing | 04tA0000000KOb3IAG | installapttus |
| Apttus Contract Management | 04t500000006wBLAAY | installapttus |
| Apttus Proposal Management | 04t70000000xZq1AAE | installapttus |
| Apttus Quote/Proposal-Configuration Integration | 04t50000000RbqmAAC | installapttus |
| Apttus CPQ Api | 04t0L000000EYMlQAO | installapttus |
| Apttus Approvals Management | 04t7000000080fFAAQ | installapttus |
| Apttus Promotion Management | 04t61000000QFdKAAW | installapttus |
| Apttus Quote/Proposal-Asset Integration | 04tE0000000V9XSIA0 | installapttus |
| Apttus Quote/Proposal Approvals Management | 04tU00000001HhIIAU | installapttus |
| Apttus X-Author™ For Excel | 04ti0000000cS4qAAE | installxapps1 |
| Apttus X-Author™ Designer For Excel | 04ti0000000ThZiAAK | Installxapps1 |
| Salesforce Connected Apps | 04t30000001DUvrAAG | - |
| Salesforce and Chatter Apps | 04t3A000001MFANQA4 | - |
| Conga Composer | 04tf2000000gbwGAAQ | - |
| Conga Conductor | 04t80000000cj1nAAA | - |
| ActionGrid | 04t1J000000Xky4QAC | - |
| Duplicate Check for Salesforce1 | 04t1r000000Q1lfAAC | - |

1. Generate password
   1. sfdx force:user:password:generate -u [Org Alias]
   2. Ex: sfdx force:user:password:generate -u AneeshSO
2. Display Scratch org info
   1. sfdx force:org:display -u [Org Alias]
   2. Ex: sfdx force:org:display -u AneeshSO
   3. Share InstanceName, User and password info with developers
3. Folder structure for reference



# Developer Process

1. Create Project using CLI
   1. sfdx force:project:create -n [ProjectName]
2. Clone git repo to local
   1. Git clone [URL]
   2. Example Git clone https://parthi\_ef@bitbucket.org/eflangtech/salesforce.git
3. Login to scrach org using instance URL, username and pwd - provided by admin
   1. sfdx force:auth:web:login -r [Instance URL] -d -a [alias]
   2. sfdx force:auth:web:login -r <https://saas-force-1561.cs86.my.salesforce.com> -d -a ParthiSO
4. Push the changes to org using CLI
   1. sfdx force:source:push -u [org alias] –f
   2. Ex: sfdx force:source:push -u ParthiSO –f
5. Make changes/development in the scratch org and sync using pull
   1. sfdx force:source:pull -u [org alias] –f
   2. Ex: sfdx force:source:pull -u ParthiSO -f
6. Push the changes to [DevName]dev branch ex: Parthidev branch in source control
   1. Commit the changes
   2. Pull and rebase
   3. Push
7. Submit Pull request to merge changes to dev branch

# Branch Policies

|  |  |  |  |
| --- | --- | --- | --- |
| **Branch Name** | **Accessor** | **Access level** | **Approvers** |
| [DevName]Dev, Ex: AneeshDev | DevName | Admin | - |
| Dev | All developers | Read | Parthi/Aneesh |
|  | Approvers | Admin |  |
| Qa | All developers | Read | Manos/Harsh |
|  | Approvers | Admin |  |
| Prod | All developers | Read | William/Manos/Harsh |
|  | Approvers | Admin |  |

# Useful commands

<https://developer.salesforce.com/docs/atlas.en-us.208.0.sfdx_cli_reference.meta/sfdx_cli_reference/cli_reference_force_org.htm#cli_reference_force_org>