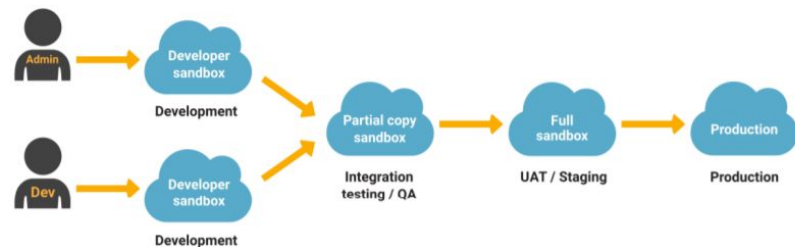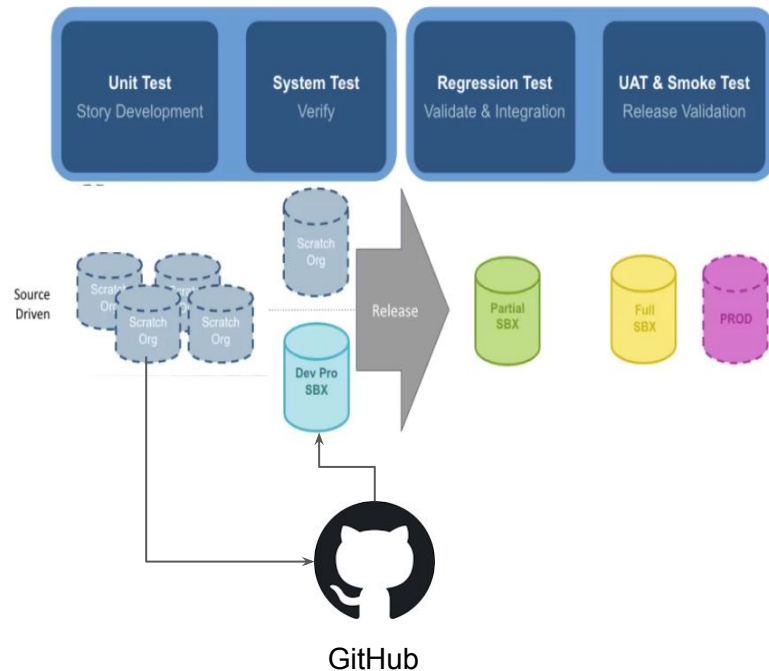# Scratch Org

Salesforce development model

➔ **Moving from org. development model to source driven development model**

Sandbox development flow
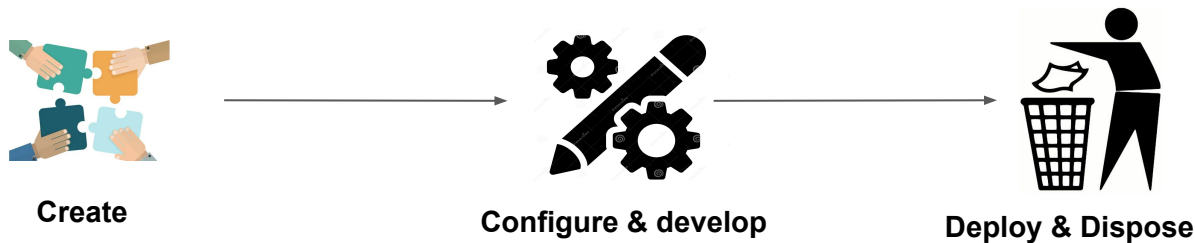
A typical sandbox development flow

| Unit Test | System Test | Regression Test | UAT & Smoke Test |
| Story Development | Verify | Validate & Integration | Release Validation |

GitHub

Salesforce Scratch Org

- Source driven and disposable deployment of salesforce code and metadata
- Fully configurable to develop and test your feature independently

Create → **Configure & develop** → **Deploy & Dispose**

Things to know

- Scratch orgs are time bound (1- 30 days)
- You get a vanilla version of salesforce org and not your prod. org shape
- DevHub should be configured
- Your salesforce license determines max. number of scratch orgs that can be created
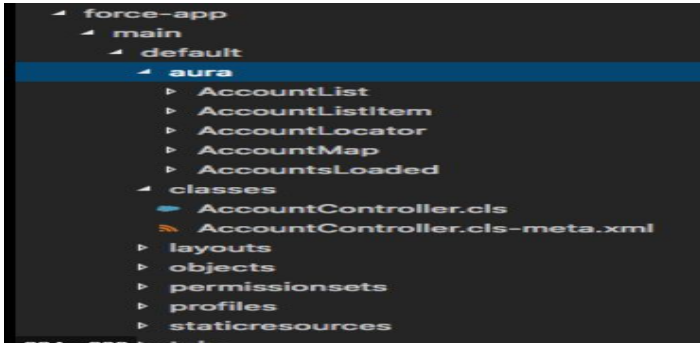
Tools that you need

Must have

1. Salesforce CLI
2. VS Code
3. Salesforce extension

Good to have

1. ESlint
2. Prettier
3. Live Server

Salesforce Metadata

What : Anything that goes into building SF application.E.g: fields, code, logic

Why: Hard-coded applications are a thing of the past; customization is the flair of the season.Flexible applications that can be tailor-made, without the need for high-level programming skills.That is why Salesforce Metadata is so powerful

Setup Dev Environment

Dev Hub

Scratch Org

Step 1: Setup Dev Hub

Step 2: Spin off scratch org

Demo

Salesforce CLI & VS Code

```
C:\Users\raj_a>sfdx version
sfdx-cli/7.108.0 win32-x64 node-v16.4.1
```

```
git clone https://github.com/dreamhouseapp/dreamhouse-sfdx
```

```
sfdx force:org:create -s -f config/project-scratch-def.json
```

```
PS C:\Rajesh\SourceCode\SFDevTraining\dreamhouse-sfdx> sfdx force:org:open -u test-hltzopiutvd7@example.com
```

```
PS C:\Rajesh\SourceCode\SFDevTraining\dreamhouse-sfdx> sfdx force:source:push
ERROR running force:source:push:   No org configuration found for name s brave
```

```
PS C:\Rajesh\SourceCode\SFDevTraining\dreamhouse-sfdx> sfdx force:user:permset:assign -n dreamhouse
=== Permsets Assigned
```

```
PS C:\Rajesh\SourceCode\SFDevTraining\dreamhouse-sfdx> sfdx force:source:status
=== Source Status
```

```
PS C:\Rajesh\SourceCode\SFDevTraining\dreamhouse-sfdx> sfdx force:source:pull
```

For further reading

https://developer.salesforce.com/docs/atlas.en-us.sfdx_dev.meta/sfdx_dev/sfdx_dev_scratch_orgs.html