**Prerequisite**

1. **Git Repo -**<https://github.com/devopshydclub/vprofile-project>
2. **Homebrew (for Mac& Linux) -** https://brew.sh

**Install Homebrew using the below command-**

**/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"**

Paste that in a macOS Terminal or Linux shell prompt.The script explains what it will do and then pauses before it does it.

**Chocolatey (for Windows) -** <https://chocolatey.org/install>

**Install Chocolatey for Individual Use:**

1. First, ensure that you are using an [administrative shell](https://www.howtogeek.com/194041/how-to-open-the-command-prompt-as-administrator-in-windows-8.1/) - you can also install as a non-admin, check out [Non-Administrative Installation](https://docs.chocolatey.org/en-us/choco/setup#non-administrative-install).
2. Install with powershell.exe

With PowerShell, you must ensure [**Get-ExecutionPolicy**](https://go.microsoft.com/fwlink/?LinkID=135170) is not Restricted. We suggest using Bypass to bypass the policy to get things installed or AllSigned for quite a bit more security.Run **Get-ExecutionPolicy**. If it returns Restricted, then run **Set-ExecutionPolicyAllSigned** or **Set-ExecutionPolicy Bypass -ScopeProcess**.

Now run the following command:

**Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))**

1. Wait a few seconds for the command to complete.
2. If you don't see any errors, you are ready to use Chocolatey! Type **choco** or **choco -?**
3. To install packages[**https://community.chocolatey.org/packages**](https://community.chocolatey.org/packages)

Run all the below commands on Powershell as Admin for installation of software

**choco install virtualbox**

**choco install vagrant**

**choco install git**

**choco install jdk8**

**choco install maven**

**choco install awscli**

**choco install intellijidea-community**

**choco install sublimetext3.app**

1. **Signups –**

GitHub

<https://github.com>

Godaddy

<https://godaddy.com>

DockerHub

<https://id.docker.com>

SonarCloud

<https://sonarcloud.io/>

aws

<https://aws.amazon.com/console/>

IAM User creation

**Console – IAM – Username – Access type** (1.programmatic access ( if the users require access to the API, AWS CLI, or Tools for Windows PowerShell) 2. AWS Management Console (creates a password for each new user) - **Console password**- 1 Autogenerated password 2 Custom password.**- Next step – Set permission –** Add user to thr group / Copy permission from existing user **/** Attach existing policy directly – Administrative access – Copy the URL and download the .CSV file which will have ID & Password this will reqired to login for the 1st time. – **login to IAM User** using ID and Pass then create new Password

Billing Alarm

In Billing Option- Billing Preferences- and tick all the options for notified for the updates

Cloudwatch –Create alarm- Metric- select metric- Billing - Total estimated charge- Choose currency – add condition – Select notification You can create SNS Topic as well and give endpoint Email – Alarm name – Create

Certificate Setup

ACM- Add your domain name ( \*.yourdomain.name) – DNS validation – confirm- add cname record in domain DNS – continue

MFA-

IAM- User- Security Credential – Assign MFA Device – Manage – Virtual MFA Device – Use Google authenticator and Add 2 codes – Assign MFA