Github:

* ~~Create QA Branch~~
* ~~Configure Branching Policy for QA~~
* ~~Setup webhook.~~

1. Install latest Docker [Aws Instance]
   * ~~Launch <AmazonLinux2> Instance [t2.micro] in same subnet. -- Susmitha~~
   * ~~Security groups [old one or create new one] [port 80] -- Susmitha~~
   * ~~Set hostname -- Srinivas~~
   * ~~Creates user account and set the password – Linux vm. – Srinivas~~

|  |  |
| --- | --- |
| Username | Password |
| Dockeradm | dockeradm |

* + ~~Installing Docker [yum/other ways] & enable on boot service, usermod. -- Ravalika~~
  + ~~Configure access to from Ansible server – Hameed~~
  + Responsible: Susmitha, Ravalika, Srinivas, Hameed.

1. Jenkins CICD:
   * ~~Research and Install plugins -- Susmitha~~
   * Configure Job [Pipeline] -- Divya
     + Pipelineà Will trigger the Ansible Playbook everytime there is a commit/push to QA Branch.
   * Responsible: Susmitha, Divya
2. Ansible Server Configuration:
   * ~~Add the new client. -- Akhil~~
   * ~~Auth from Ansible to Docker Server. -- Akhil~~
   * ~~Add ip to host file – Akhil~~
   * Responsible: Akhil
3. Dockerhub account:
   * ~~Create a Private repo – Akshit~~
   * ~~Push and pull permissions from hub – investigate [Akshit]~~
   * ~~Add users to dockerhub repo – Investigate – Nikhil T Premium~~
   * Tagging – Investigate – Nikhil T
   * Responsible: Akshit, Nikhil
4. Dockerfile

* ~~Use Alpine docker image from DH -- Siva~~
  1. ~~It should pull the converted html files from Ansible server and then include them into the image.~~
* ~~Create docker volumes. -- Siva~~
* ~~Scaling of containers - Investigate - Dharani~~
* ~~Docker stack || investigate autoscaling~~
* ~~Expose port 80 for the container. - Dharani~~
* Responsible: Siva, Dharani

1. Ansible Playbook -- Vamsi
   * Writing the playbook which will build the html files using branching and build the docker image and push them to Docker hub, enable versioning.
   * Tags to the version >> Pull the image & we need test the image( by runing the container ) >> start the docker container >> store the html files to the htdocs dir in container.
   * Responsible: Vamsi
2. [Selinium] optional

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| Install Latest Docker| --> | Jenkins CI/CD | --> | Ansible Playbook | --> | DockerHub Account| --> | Registry/Repository |

| (AWS) | | (Docker Plugin) | | | | (1NR) | | |

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| Dockerfile (Build a |

| Webserver Image) |

| and Files |

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| Upload Images to |

| DockerHub Account |

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| Download and Run |

| Container from Image |

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* + Grafana, Prometheus