**Steps To Deployment Of Applications**

1) Clone Project from github

1.1) goto the project folder through command line or we can choose file path where we want clone project

ex:

bizruntime@ubuntu:~$ cd Projects/Syml-Projects/

bizruntime@ubuntu:~/Projects/Syml-Projects$

1.2) take repo url from from git hub clone the project

ex:

bizruntime@ubuntu:~/Projects/Syml-Projects$ git clone https://github.com/guysyml/formsPlayApp.git

go inside project

Ex:

bizruntime@ubuntu:~/Projects/Syml-Projects$ cd formsPlayApp

bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$

1.3) clean, compile project and eclipsefy project before inporting to eclipse ide

ex:

bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$ ./activator clean compile

bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$ ./activator

[formsappPlay] $

[formsappPlay] $ eclipse with-source=true

2)after writing code , changing code, before pushing or merging code to github we need clean compile the project and remove ,settings , .classpath .project file .

2.1) adding changed file to git hub one by one

ex: bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$ git add activator

or

adding all files

ex: bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$ git add –all

2.2)commiting the adding file with comment

ex: git commit -m 'Referral pag is logo added'

2.3) push the commited file to github

ex: bizruntime@ubuntu:~/Projects/Syml-Projects/formsPlayApp$ git push -u origin master

it ask for password for github user , enter password and enter , it will push the updated code to github

3) ssh Mater ami mechine where we have docker file for applications (before ssh master ami mechine our system idr pub need to added in master ami mechine or we need pem file to ssh mechine)

ex : ubuntu@couchbase1:~$ ssh 52.90.216.252

after sucess full ssh

[root@master-ami](mailto:root@master-ami):~#

4) goto to the application which have docker file

2) after writing docker file for application

go to the inside file

ex:

root@master-ami:/home/ubuntu/play/formsPlayAppDev#

2.1)if it is new aplication we need give new docker tage name

command to build docker image for application

ex: root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker build -t guysyml/private:formsPlayAppDev .

here guysyml/private is docker repository

here formsPlayAppDev is application docker tag name

here at end command we given dot (.) that also needed

after building image we need to push docker image to Docker Hub

command to push docker image to Docker hub

ex: root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker push guysyml/private:formsPlayAppDev

here guysyml/private is docker repository

here formsPlayAppDev is application docker tag name

2.2) if it is old application and we already have docker image ,

then we have to check docker image exist or not the mechine

command to check list of docker images build in mechine

exmaple :root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker images

then we get list of docker images

ex :

root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker images

REPOSITORY TAG IMAGE ID CREATED VIRTUAL SIZE

guysyml/private formsPlayAppDev 599fda389388 11 hours ago 1.317 GB

guysyml/private docviewer 1 6a9d1f69995 23 hours ago 1.017 GB

<none> <none> f64db6d29ebb 23 hours ago 760.3 MB

guysyml/private formsappProd 7d329fd74cc0 6 days ago 1.313 GB

guysyml/private crmsynctocouchbaseDev d80fc9019cf6 3 weeks ago 1.265 GB

guysyml/private automatedCreditAppProd 0db51f70ec3c 3 weeks ago 1.215 GB

guysyml/private taskcreationapp c1f2a147fdcb 3 weeks ago 1.3 GB

guysyml/private vaddin 55af4f608655 3 weeks ago 1.357 GB

if we to deploye changed application we need to remove existing docker image

command to remove existing image

ex: root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker rmi -f 599fda389388

here 599fda389388 it is contianer ID

after removing docker images build new docker image

steps build new docker image

ex: root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker build -t guysyml/private:formsPlayAppDev .

here guysyml/private is docker repository

here formsPlayAppDev is application docker tag name

here at end command we given dot (.) that also needed

after building image we need to push docker image to Docker Hub

command to push docker image to Docker hub

ex: root@master-ami:/home/ubuntu/play/formsPlayAppDev# docker push guysyml/private:formsPlayAppDev

here guysyml/private is docker repository

here formsPlayAppDev is application docker tag name

3)Adding Service (application) in niramata

adding service in nirmata steps already vikash shared with you .

4) If Service already existing nirmata just delete and redeploye application