BigFix Console

BES CLient

BigFix Server

Install planEngine(request)

Host Machine

Docker services

Docker Host

Exec (./init.sh)

Host Machine will call docker services to install and start PE

Brief description about .sh files:

* # init.sh:
* Will call next .sh file depending on command received from server
* "PlanEngine instance directory alreay exist for requested BIGFix server "calling check\_pe\_instance.sh for heath check ......."

OR

* "PlanEngine instance directory do not exist for requested BIGFix server "calling create\_pe\_instance.sh for creating new instance ......."
* # create\_pe\_instance.sh
* Will be responsible for creating fresh new PE installation
* Will create required directory .......
* Will call run\_pe\_image.sh to run the latest image inside docker container with the help of docker cli
* # run\_pe\_image.sh:
* Will start Docker container with the latest plan engine image
* Will create Log directory for the current plan engine installation
* Will write container id to the installed directory to pe\_instance.cid file
* # check\_pe\_image.sh:
* Will call next sh script for given instances with provided flag restart or update

(./restart\_pe\_instance.sh || ./update\_pe\_instance.sh )

* Command not received properly exiting the shell and aborting the task
* # restart\_pe\_instance.sh:
* Will check if particular pe\_instance is running or not with the help of container id.
* If container is not running it will abort the execution with specific message else it will call ./back\_up.sh script file to take backup before stopping the container.
* # back\_up.sh:
* Will create backup directory and will copy required file from docker container to the host file system.
* Will stop the container after backup and will call ./ /create\_pe\_instance.sh to create a new instance
* # update\_pe.sh:
* Backup
* Stop container
* Start a new plan engine instance.