1. You Need Change smiconfig.json file Change

Add the following section

"firmwareUpdate": {

"host": "localhost::46010",

"endpoints":{

"apiVersion": "/api/1.0/server/firmware/version",

"updater":"/api/1.0/server/firmware/updater",

"callbackUri":

"http://172.31.128.1:8088/api/2.0/wsmanCallback/\_IDENTIFIER\_" }

},

1. On a windows machine, setup a Dell firmware repository with “Dell Repository Manage”( <http://www.dell.com/support/home/us/en/04/drivers/driversdetails?driverID=3J7CF&productCode=poweredge-m620>). This tool download selected hardware firmware set package from dell official website and a created “Catalog.xml” in the folder. Please set net share this folder. Eg.”\\10.62.59.233\emc”.
2. Change the payload content in wsman-control.js. Changes are marked yellow

{

"serverAddress": "192.168.188.23",

"shareAddress" : "10.62.59.233",

"userName": "admin",

"password": "admin",

"mountPoint":"",

"shareName": "/emc",

"catalogFileName" : "Catalog.xml",

"shareType" : 2,

"shareUserName" : "admin",

"sharePassword" : "admin",

"applyUpdate" : 1,

"rebootNeeded" : "YES",

"callBack" : {

"callbackUri": callBackUriRef,

"callbackGraph": "Graph.Dell.Wsman.Firmware",

"type": "wsman"

}

};

1. Make sure the Dell node is discovered in RackHD. Manually create dell-wsman-obm-service OBM:

curl -H "Content-Type: application/json" -X PUT -d '{ "service": "dell-wsman-obm-service","config": {"host": "192.168.188.34", "user": "admin","password": "admin"},"nodeId": "59c0c72bdcd83ebc0456c2

1. Start the dell SMI service on RackHD server. You can either chose run in docker or run Java jar.
   1. Option 1 . Get Docker(attention! only the latest version works):

sudo docker run -p 0.0.0.0:46010:46010 --name dell-server-firmwareupdate -v /mnt/myShare/myFolder:/fwRepo -d rackhd/dell-server-firmwareupdate:latest

* 1. Java. Get JRE/JDK and execute. Get the app jar in \\cnrdgps\gpsteamshare\CI\_Team\_Portal\03\_Maglev Team\20170925\_ReplaceRACADMwithWSMAN\smi-jars\server-firmwareupdate

Run: Java –jar app.jar

1. Initiate the WSMAN firmware update taskgraph in RackHD.

curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' -d '{

"options": {

"defaults": {

"serverUsername": "admin",

"serverPassword": "admin",

"serverFilePath": "/emc"}

}

}' 'http://192.168.128.100:8080/api/2.0/nodes/59c0c72bdcd83ebc0456c2f0/workflows?name=Graph.Dell.Wsman.Update.Firmware'

1. Then we can see in the DELL iDARC job queue, there are BIOS iDRAC update job record.

