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Installation of Cluster Manager

- Deploy Cluster Manager

Here is the procedure to deploy the Cluster Manager.

This installation works if HPC Gateway is installed in /opt/hpcg by default. If this is not the case, it is required to change (at least) the script HPCGInstaller/packages/sfway/config/install_cluster_manager.sh, to point to the right profile.sh script.

- Open the HPC Gateway installer
- As \${HPCG_ADMIN} user, run the script
./HPCGInstaller/packages/sfway/config/install_cluster_manager.sh with the public IP
- As root, run the script ./HPCGInstaller/packages/sfway/config/setup_root.sh

```
$ id; pwd
uid=10020(hpcgadmin) gid=10020(hpcgadmin) groups=10020(hpcgadmin)
/torii/hpcgateway/tmp/hpcgateway.2.3.1.a.full.unix
$ ./HPCGInstaller/packages/sfway/config/install_cluster_manager.sh
PUBLIC_IP
Deploy /opt/hpcg/external/sfway ...
Configure /opt/hpcg/external/sfway ...
Deploy /opt/hpcg/core/jetty/webapps/cluster-manager ...
Configure /opt/hpcg/core/jetty/webapps/cluster-manager ...

$ su
Password:
# id; pwd
uid=0(root) gid=0(root) groups=0(root),491(sfcb)
/torii/hpcgateway/tmp/hpcgateway.2.3.1.a.full.unix
# ./HPCGInstaller/packages/sfway/config/setup_root.sh
Configure /opt/hpcg/external/sfway/server/hpc-cm-
sm/etc/server/cdm/hibernate.cfg.xml ...
Configure /etc/init.d/sfy_* ...
```

- Start Cluster Manager

```
$ source /opt/hpcg/core/profile.sh

$ $HPCG_HOME/core/bin/hpcg.sh -s restart -l jetty -c "restart for cluster
manager"

$ $HPCG_HOME/external/sfway/sfy_admin.sh start
Starting Derby server... Password:
Starting NED server hpc-cm-ned... Password:
SynfiniWay NED server with options [-start 3000@0.0.0.0]
```

```
Starting SynfiniWay server hpc-cm ... Password:  
Starting SynfiniWay server hpc-cm-sm ... Password:
```

Once the start is completed, the Cluster Manager is available (by default) from:
https://<jetty_server>:8443/cluster-manager/

- Login to Cluster Manager

Username = hpcgcluster
Password = U4663YG6*3&c

It is recommended to change the password at first login.

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<https://docs.fujitsu.fr/HPCGateway/current/> - HPC Gateway

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https://docs.fujitsu.fr/HPCGateway/current/doku.php?id=fujitsu:hpcgateway:guides:admin:install:installation_cluster_manager

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