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Installation internals

- /home and /opt dependency

/home and /opt path are defined in the HPC Gateway installation in file system and database collection.

File system:

- `${hpcg_home}/core/etc/setenv_*`
- `${hpcg_home}/core/etc/profile.sh`
- `${hpcg_home}/repo/installer/install.hpcg.cfg`

Database:

- collection clusters:

```
Cluster.rnd01:
  "runlog" : "/home/hpcgadmin/hpcgateway/runlog",
  "rundirs" : [
    {
      "num" : 1.0000000000000000,
      "root" :
"/home/hpcgadmin/hpcgateway/rundir/@@_HPCG_USER_@@/@@_HPCG_PATH_DATE_@@/
task_@@_HPCG_TASK_NUM_@@",
      "description" : "The rundir will be automatically created in the
home file system (/home/hpcgadmin/hpcgateway/rundirs/USER)",
      "label" : "Automatic creation in home"
    }
  ],
```

- Collection configs:

```
clusterAgent.rnd01:
  {
    "value" : "/home/hpcgadmin/hpcgateway/utilities",
    "key" : "utilitiesDir"
  },
  {
    "value" : "/home/hpcgadmin/hpcgateway/runlog",
    "key" : "runlogDir"
  },
  {
    "value" : "/opt/hpcg/live/clusters/rnd01/mediators",
    "key" : "mediatorsDir"
  }
}
```

- hostname and/or IP dependency

File system:

- `${hpcg_home}/core/jetty/webapps/torii/WEB-INF/web.xml` : database.host
- `${hpcg_home}/core/etc/setenv_mongo.sh` : hpcg_mongo_host
- `${hpcg_home}/core/etc/setenv_jetty.sh` : hpcg_jetty_host
- `${hpcg_home}/core/etc/setenv_cluster.<x>.sh` : hpcg_cluster_host

Database:

- collection clusters: "headnode" attribute used by the file explorer tool to browse the head node of the cluster

Cluster.rnd01:

```
"headnode" : "rnd01",
```

- collection configs: "host" attribute used by the ssh manager to connect to the cluster host

ssh.rnd01:

```
"host" : "rnd01",
```

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