

listHAClusterNodes.pl

Motivated by [c_shanklin](#) twitter message about <http://www.hypervisor.fr/?p=1320> this morning about listing primary HA nodes within vCenter cluster using PowerCLI, I thought I provide an equivalent snippet of vSphere SDK for Perl script. In addition to listing the primary nodes, I'm also outputting the configuration and run state of each node in the cluster.

Unfortunately, the vSphere API does not provide information about the secondary nodes

Requirements:

vCenter 4.0

vSphere SDK for Perl or vMA 4.0

Operations:

- Specific cluster (user --cluster)
- All cluster (default)

Sample Execution:

Specific cluster:

```
./listHAClusterNodes.pl --server  
reflex.primp-industries.com --cluster 'R&D'
```

```
[vi-admin@scofield ~] [reflex.primp-industries.com] $ ./listHAClusterNo  
Cluster: R&D  
  HA Primary Nodes:  
    esx-vcb-dpm  
  HA Node States:  
    Node Name                Node Config State  
-----  
    esx-vcb-dpm              running              nodeF  
    esx40-1                  error                initialized  
    esx40-2                  error                initialized  
    esxi40-1                 uninitialized
```

All cluster:

```
./listHAClusterNodes.pl --server  
reflex.primp-industries.com
```

```
[vi-admin@scofield ~][reflex.primp-industries.com]$ ./listHAClusterNo
Cluster: Production
  HA Primary Nodes:
  HA Node States:
      Node Name                Node Config State
-----
      himalaya                  uninitialized

Cluster: R&D
  HA Primary Nodes:
      esx-vcb-dpm
  HA Node States:
      Node Name                Node Config State
-----
      esx-vcb-dpm              running
      esx40-1                  error              initialized
      esx40-2                  error              initialized
      esxi40-1                 uninitialized
```

Your output should be much more defined ... my development environment is under construction still 😊 hence the uninitialized and error messages