AIX POWERHA/HACMP:
Basic commands

POWERHA/HACMP: Basic commands

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# IBM PowerHA (formerly HACMP) is IBM's solution for high-
availability clusters on the AIX
# Unix and Linux for IBM System p platforms and stands for High
Availability Cluster
# Multiprocessing.

# PowerHA can run on up to 32 computers or nodes, each of which is
either actively running
# an application (active) or waiting to take over when another node
fails (passive). Data
# on file systems can be shared between systems in the cluster.

# - PowerHA 7.1 was released in 2010 and uses the Cluster Aware AIX
(CAA) infrastructure
#   available in AIX V6.1 TL 6 and AIX 7.1
# - PowerHA 6.1, Rebranded again to IBM PowerHA SystemMirror for AIX,
GA Oct 27 2009
# - HACMP 5.5, Rebranded to IBM PowerHA, GA Nov 2008
# - HACMP 5.4.1, Nov 2007
# - HACMP 5.4, July 2006
# - HACMP 5.3, August 2005
#   [...]




# HACMP SPECIFICS
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# * Heartbeat is implemented via a shared Heartbeat disk
# * Fallback policy: possibility of automatic fallback
# * File collection synchronization
# * Cluster validation test (DON'T RUN AS IT MAKES A FULL SET OF
TESTS INCLUDING CRASH, etc)



# Show cluster state (continuous output)
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root@<server>:/root#> clstat [ -r interval ]

   Cluster status: stable | unstable | reconfig




# Show cluster state (not continuous output)
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root@<server>:/root#> cldump




# Check cluster daemons
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root@<server>:/root#> lssrc -g cluster

Subsystem          Group             PID           Status
 clstrmgrES        cluster           50136         active
 clinfoES          cluster           139308        active
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# Reduced information about ressource groups
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root@<server>:/root#> clRGinfo

# RG (Ressource Group): Formed by IP, LVM, AS (application server) &
AM (application monitor)
#
#   Ressource Group parameters:
#    - Startup policy
#    - Failover policy
#    - Fallback policy
#    - Site policy: for long-distance intersite clusters




# Complete information about application servers
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root@<server>:/root#> cldisp




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root@<server>:/root#> smitty [ hacmp | powerha ]
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