

machcoordinatoradmin

machcoordinatoradmin

Coordinator .

- machcoordinatoradmin
 -
 - /
 - Configuration
 - Cluster Status
 -
 -
 - Cluster Node
 - Cluster
 - Group State
 - Host Resource

machcoordinatoradmin . .

```
mach@localhost:~$ machcoordinatoradmin -h
```

-u, --startup	Coordinator
-s, --shutdown	Coordinator
-k, --kill	Coordinator
-c, --createdb	Coordinator
-d, --destroydb	Coordinator , \$MACHBASE_COORDINATOR_HOME/package
-e, --check	Coordinator
-i, --silence	
--configuration[=name]	configuration ()
--activate	Cluster status Service
--deactivate	Cluster status Deactivate
--list-package[=package]	Package (Package)
--add-package=package	Package
--remove-package=package	Package
--list-node[=node]	Node (Node)
--add-node=node	Node
--remove-node=node	Node
--upgrade-node=node	Node
--startup-node=node	Node
--shutdown-node=node	Node
--kill-node=node	Node
--cluster-status	Cluster Node
--cluster-status-full	Cluster Node
--cluster-node	Cluster

--set-group-state=[normal readonly]	warehouse
--get-host-resource	Node Host
--host-resource-enable	Host
--host-resource-disable	Host

--file-name=filename		--add-package
--port-no=portno		--add-node
--deployer=node	Deployer	--add-node
--package-name=packagename	Package	--add-package
--home-path=path	Deployer , Node	--add-node
--node-type=[broker warehouse]	(broker / warehouse)	--add-node
--group=groupname		--add-node
--replication=host:port	Replication host:port	--add-node
--no-replicate	Replication	--add-node
--primary=host:port	Secondary Coordinator Primary Coordinator	-u, --startup
--host=host	Host Host	--get-host-resource
--metric=[cpu memory disk network]	Host Metric	--get-host-resource

Example:

```

mach@localhost:~$ machcoordinatoradmin -e
-----
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-----
Machbase Coordinator is running with pid(29245)!

```

/

Example:

```

mach@localhost:~$ machcoordinatoradmin -c
-----
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-----
Coordinator metadata created successfully.

mach@localhost:~$ machcoordinatoradmin -d
-----
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-----
Coordinator metadata destroyed successfully.

```

Configuration

Syntax:

```
machcoordinatoradmin --configuration[=name]
```

Example:

```

mach@localhost:~$ machcoordinatoradmin --configuration
-----
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-----
Name : CLUSTER
Value : 3

Name : DECISION
Value : ON

Name : HOST-RESOURCE
Value : OFF

mach@localhost:~$ machcoordinatoradmin --configuration=decision
-----
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-----
Name : DECISION
Value : ON
Format : text/plain

```

Cluster Status

Example:

```
mach@localhost:~$ machcoordinatoradmin --activate
```

```
-----  
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-----
```

```
      Name : CLUSTER  
      Value : 3  
      Format : text/plain
```

```
mach@localhost:~$ machcoordinatoradmin --deactivate
```

```
-----  
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-----
```

```
      Name : CLUSTER  
      Value : 0  
      Format : text/plain
```

Syntax:

```
machcoordinatoradmin --list-package[=package]
```

Example:

```
mach@localhost:~$ machcoordinatoradmin --list-package
```

```
-----  
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-----
```

```
Package Name : machbase  
File Name    : machbase-cluster-6bab497c9.develop-LINUX-X86-64-release-lightweight.tgz  
File Size    : 64630670 bytes
```

```
Package Name : machbase2  
File Name    : machbase-cluster-e3c0717.develop-LINUX-X86-64-release-lightweight.tgz  
File Size    : 64677030 bytes
```

```
mach@localhost:~$ machcoordinatoradmin --list-package=machbase
```

```
-----  
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-----
```

```
Package Name : machbase  
File Name    : machbase-cluster-6bab497c9.develop-LINUX-X86-64-release-lightweight.tgz  
File Size    : 64630670 bytes
```

Syntax:

```
machcoordinatoradmin --list-node[=node]
```

Example:

```
mach@localhost:~$ machcoordinatoradmin --list-node
-----
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-----
Node Name      : 192.168.0.32:5101
Node Type     : coordinator
HTTP Admin Port : 5102
Group Name    : Coordinator
Desired State  : primary
Actual State   : primary
Coordinator Host : 192.168.0.32:5101
Last Response Time : 497590
Last Modify Time : 421020408
Last Response Elapsed : 1006148

Node Name      : 192.168.0.32:5201
Node Type     : deployer
Group Name    : Deployer
Desired State  : normal
Actual State   : normal
Coordinator Host : 192.168.0.32:5101
Last Response Time : 497594
Last Modify Time : 404915419
Last Response Elapsed : 1006128

Node Name      : 192.168.0.32:5301
Node Type     : broker
Port Number   : 5757
Deployer      : 192.168.0.32:5201
Package Name  : machbase
Home Path     : /home/machbase/broker1
Group Name    : Broker
Desired State  : leader
Actual State   : leader
Coordinator Host : 192.168.0.32:5101
Last Response Time : 497544
Last Modify Time : 353606480
Last Response Elapsed : 1006157

Node Name      : 192.168.0.32:5401
Node Type     : warehouse
Port Number   : 5400
Deployer      : 192.168.0.32:5201
Package Name  : machbase
Home Path     : /home/machbase/warehouse_a1
Group Name    : Group1
Desired State  : normal
Actual State   : normal
Coordinator Host : 192.168.0.32:5101
Last Response Time : 497556
Last Modify Time : 332480933
Last Response Elapsed : 1006160

mach@localhost:~$ machcoordinatoradmin --list-node=192.168.0.32:5401
-----
Machbase Coordinator Administration Tool
```

```

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```

```

-----
Node Name       : 192.168.0.32:5401
Node Type      : warehouse
Port Number    : 5400
Deployer      : 192.168.0.32:5201
Package Name   : machbase
Home Path     : /home/cumulus/warehouse_a1
Group Name    : Group1
Desired State  : normal
Actual State   : normal
Coordinator Host : 192.168.0.32:5101
Last Response Time : 648879
Last Modify Time : 419153148
Last Response Elapsed : 1005962

```

Cluster Node

Example:

```

mach@localhost:~$ machcoordinatoradmin --cluster-status

```

```

-----
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```

```

-----+-----+-----+-----+-----+
| Node Type | Node Name | Group Name | Group State | State |
-----+-----+-----+-----+-----+
| coordinator | 192.168.0.32:5101 | Coordinator | normal | primary |
| deployer    | 192.168.0.32:5201 | Deployer   | normal | normal  |
| broker     | 192.168.0.32:5301 | Broker    | normal | leader  |
| warehouse  | 192.168.0.32:5401 | Group1    | normal | normal  |
-----+-----+-----+-----+-----+

```

```

mach@localhost:~$ machcoordinatoradmin --cluster-status-full

```

```

-----
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```

```

-----+-----+-----+-----+-----+-----+
| Node Type | Node Name | Group Name | Group State | Desired & Actual State |
RP State |
-----+-----+-----+-----+-----+-----+
| coordinator | 192.168.0.32:5101 | Coordinator | normal | primary | primary |
| deployer    | 192.168.0.32:5201 | Deployer   | normal | normal  | normal  |
| broker     | 192.168.0.32:5301 | Broker    | normal | leader  | leader  |
| warehouse  | 192.168.0.32:5401 | Group1    | normal | normal  | normal  |
-----+-----+-----+-----+-----+-----+

```

Cluster

Example:

```
mach@localhost:~$ machcoordinatoradmin --cluster-node
-----
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-----
Token Pid      : 29245
Token Time     : 1553153902646178
Modify Time    : 1553154010296715
Modify Count   : 8
Cluster Status : Service
Broker         : 192.168.0.32:5301
Warehouse     : 192.168.0.32:5401
```

Group State

Syntax:

```
machcoordinatoradmin --set-group-state=[ normal | readonly ] --group=group
```

Example:

```
mach@localhost:~$ machcoordinatoradmin --set-group-state=readonly --group=Group1
-----
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-----
Group Name: Group1
Flag      : 1

mach@localhost:~$ machcoordinatoradmin --cluster-status
-----
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-----
+-----+-----+-----+-----+-----+
| Node Type | Node Name | Group Name | Group State | State |
+-----+-----+-----+-----+-----+
| coordinator | 192.168.0.32:5101 | Coordinator | normal | primary |
| deployer | 192.168.0.32:5201 | Deployer | normal | normal |
| broker | 192.168.0.32:5301 | Broker | normal | leader |
| warehouse | 192.168.0.32:5401 | Group1 | readonly | normal |
+-----+-----+-----+-----+-----+
```

Host Resource

Syntax:

```
machcoordinatoradmin --host-resource-enable [--metric=metric] [host=host]
```

Example:

```
mach@localhost:~$ machcoordinatoradmin --host-resource-enable
-----
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-----
      Name : HOST-RESOURCE
      Value : ON
      Format : text/plain

mach@localhost:~$ machcoordinatoradmin --get-host-resource
-----
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-----
Host Name : 192.168.0.32
CPU Info :
  Model Name      : Intel(R) Xeon(R) CPU E3-1231 v3 @ 3.40GHz
  Number of CPUs  : 8
  Number of CPU Cores : 4
  CPU Utilization : 14.0%
  CPU IOWait Ratio : 0.0%
Memory Info :
  Physical Memory Utilization : 99.1%
  Virtual Memory Utilization  : 98.6%
Network Info :
  Receive Bytes(per second)   : 42809
  Receive Packets(per second) : 337
  Transmit Bytes(per second)  : 42885
  Transmit Packets(per second): 332
Disk Info :
  /dev/sdal : 87.4%
    |-> 192.168.0.32:5101 /home/cumulus/coordinator1
    |-> 192.168.0.32:5301 /home/cumulus/broker1
    |-> 192.168.0.32:5401 /home/cumulus/warehouse_a1
Host Name : 192.168.0.33
CPU Info :
  Model Name      : Intel(R) Xeon(R) CPU E3-1231 v3 @ 3.40GHz
  Number of CPUs  : 8
  Number of CPU Cores : 4
  CPU Utilization : 2.0%
  CPU IOWait Ratio : 0.0%
Memory Info :
  Physical Memory Utilization : 46.9%
  Virtual Memory Utilization  : 22.8%
Network Info :
  Receive Bytes(per second)   : 12336
  Receive Packets(per second) : 103
  Transmit Bytes(per second)  : 13500
  Transmit Packets(per second): 103
Disk Info :
  /dev/sdal : 64.2%
    |-> 192.168.0.33:5101 /home/cumulus/coordinator2
    |-> 192.168.0.33:5401 /home/cumulus/warehouse_a2

mach@localhost:~$ machcoordinatoradmin --get-host-resource --metric=cpu
-----
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-----
Host Name : 192.168.0.32
```



```
CPU Info :
  Model Name       : Intel(R) Xeon(R) CPU E3-1231 v3 @ 3.40GHz
  Number of CPUs   : 8
  Number of CPU Cores : 4
  CPU Utilization  : 13.9%
  CPU IOWait Ratio : 0.0%
```

```
Host Name : 192.168.0.33
```

```
CPU Info :
  Model Name       : Intel(R) Xeon(R) CPU E3-1231 v3 @ 3.40GHz
  Number of CPUs   : 8
  Number of CPU Cores : 4
  CPU Utilization  : 1.9%
  CPU IOWait Ratio : 0.0%
```

```
mach@localhost:~$ machcoordinatoradmin --get-host-resource --host=192.168.0.33
```

```
-----
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-----
```

```
Host Name : 192.168.0.33
```

```
CPU Info :
  Model Name       : Intel(R) Xeon(R) CPU E3-1231 v3 @ 3.40GHz
  Number of CPUs   : 8
  Number of CPU Cores : 4
  CPU Utilization  : 2.0%
  CPU IOWait Ratio : 0.0%
```

```
Memory Info :
  Physical Memory Utilization : 46.9%
  Virtual Memory Utilization  : 22.8%
```

```
Network Info :
  Receive Bytes(per second)   : 12588
  Receive Packets(per second) : 106
  Transmit Bytes(per second)  : 13330
  Transmit Packets(per second): 100
```

```
Disk Info :
  /dev/sdal : 64.2%
  |-> 192.168.0.33:5101 /home/cumulus/coordinator2
  |-> 192.168.0.33:5401 /home/cumulus/warehouse_a2
```

```
mach@localhost:~$ machcoordinatoradmin --host-resource-disable
```

```
-----
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-----
```

```
Name : HOST-RESOURCE
Value : OFF
Format : text/plain
```