

Merging the Results from Top on Each Host in the Cluster (cltop)

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This section describes the `cltop` utility, which creates a merged view of the operating system status across an entire cluster of computers. In other words, it is a cluster-wide version of the `top` program.

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SYNOPSIS

```
cltop [general_options] <instance_name>
```

ARGUMENTS

<instance_name>

The instance reference is a required argument that provides the name of the EDW (SLS)

instance. You can specify the instance reference in any of the following formats:

`<host>:<port>`

For example: `host1.myco.com:8072`

`<host>:<instance_name>`

For example: `host1.myco.com:my_instance`

`<instance_name>`

For example: `my_instance`



Note: Use the `<instance_name>` argument only for instances that reside on the same host from which you run the command. If you specify only one instance reference, the command includes all hosts that are part of that instance.



Note:

You can use `<host>:<port>` and `<host>:<instance_name>` for instances that reside on the local host or remote hosts.

As a convenience, you can omit this argument if you set the environment variable `SLS_INSTANCE`. For example: `SLS_INSTANCE=localhost:8072`.

OPTIONS

[general_options]

See [General Syntax for Utility Tools](#).

EXAMPLE

```
% bin/cltop

Welcome to cltop version #8245.
```

```

Initializing (ssh) cimarron@p02.hq.myco.com

cimarron@p02.hq.myco.com's password:
Initializing (ssh) cimarron@p08.hq.myco.com
* p02.hq:-Done- | p08.hq:-Done-
All done.
NODE NODE .....CPU usage..... RAM usage .....
NUM ROLES idle busy (user+system) total free used shared cache
02 DMNQ 0.0% | 0.6% => 0.5+0.1 1,507MB 4MB 1,502MB 0MB 0MB
08 DMNQ 3.0% | 3.5% => 0.5+3.0 1,004MB 21MB 983MB 0MB 0MB

NODE PROCESS VMEM RAM SHMEM PROC CPU INSTALL
NUM ID (MB) (MB) (MB) STAT used TIME PORT START NAME ACTION OTHER
08 13277 10.2 10.0 1.8 S N 9.5% 0:29 10 Dec31 10 10 /usr/local/bin/perl
02 17851 2.5 0.3 0.3 S 0.0% 0:00 2002 2:14 cg_2002 init
02 17854 2.1 0.2 0.2 S 0.0% 0:00 2002 2:14 cg_2002 init
08 9522 5.6 5.5 4.8 S 0.0% 0:00 2002 2:14 cg_2002 init
08 31134 5.6 5.6 4.9 S 0.0% 0:00 2005 3:11 cg_2005 init
08 9519 5.0 5.0 4.1 S 0.0% 0:00 2002 2:14 cg_2002 init

KEY:
- PROC STAT:
D uninterruptible sleep (usually IO)
R runnable (on run queue)
S sleeping
T traced or stopped
Z a defunct ('zombie') process
W has no resident pages
< high-priority process
N low-priority task
L has pages locked into memory

```

RETURNS

Prints out of memory usage, CPU usage and processes.