Table of Contents

Control nodes via IPMI

Power management via IPMI

The following nodes can be controlled via IPMI tool from command line:

`np04-srv-00[1-4,8-9], np04-srv-0[10-19,21-30]`

The IP address used for each node's IPMI interface is in the format of `192.168.100.1xx`, where xx is the node number, e.g. `192.168.100.101` for `np04-srv-001` and `192.168.100.130` for `np04-srv-030`.

To control or check the power of a node (taking `np04-srv-026` as an example), you will need to be either on `np04-srv-009` or `np04-srv-010` as they are "IPMI" head nodes (with NICs connected to the IPMI switch):

`ipmitool -I lanplus -U admin -H 192.168.100.126 chassis power status # change status to 'reset',`

You will be prompt for a password. Ask in the `#sysadmin` slack channel for that info (**NOTE**: `np04-srv-027` has a different password due to the default password pattern requirement is stricter than other nodes with older hardware). You can give an `-f PASSWORD_FILE` option to the `ipmitool` command used above. The PW file can be found under `/root` on `np04-srv-009` (`/root/ipmipasswd` and `/root/ipmipasswd_027`).

Connect to serial consoles

The ways to connect to serial consoles are different due to different hardware types we have.

Most of the Dell nodes provide SOL (Serial Over Lan) access via SSH. For those nodes, you can do `ssh -l admin 192.168.100.1xx`, and then type `console com2` to connect to the serial console. (Use "Ctrl"+"\" to exit from the console and get back to SSH prompt).

For nodes with Intel or SuperMicro mother boards, the most reliable way to see the console is to start a browser from `np04-srv-009` (recommend to run a VNC server and connect to it in this case), and open `192.168.100.1xx` in the address bar. There you can navigate to a page which provides a button for launching SOL.

The newest nodes (`np04-srv-0[28-30]`) comes with VNC server for the console. You can connect to them from `np04-srv-009` using `vncviewer 192.168.100.1xx:5901` with the same password as the IPMI tool (replace "xx" by 28, 29, or 30).

-- PengfeiDing - 2019-10-14

This topic: CENF > NP04IPMIAccess
Topic revision: r1 - 2019-10-14 - PengfeiDing