# System Setup with RM How to run a TTL Macro file

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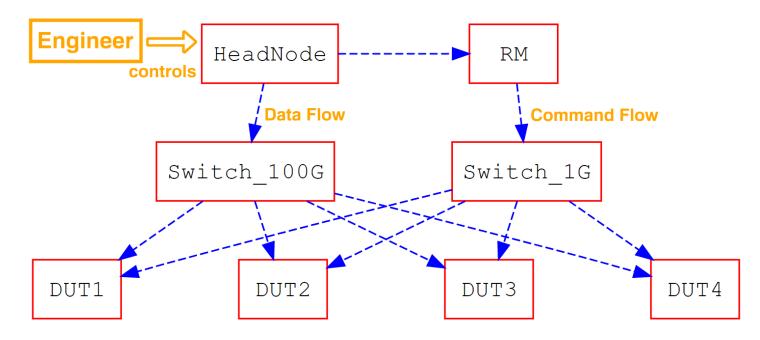
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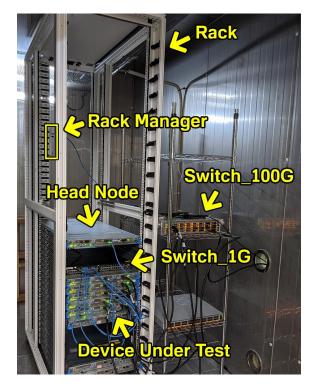


#### **Rack Build**

• The rack which is ready for controlled can be referred to the following pictures:



- Connecting NIC1 port on RM to 1G LAN port on Head Node
- Connecting NIC2 port on RM to port 25 (RM port) on Switch\_1G
- Connecting 1G port on Switch\_1G to corresponded 1G LAN port on DUTs
- Connecting 100G port on Switch\_100G to 100G LAN port on DUTs



**Example** 



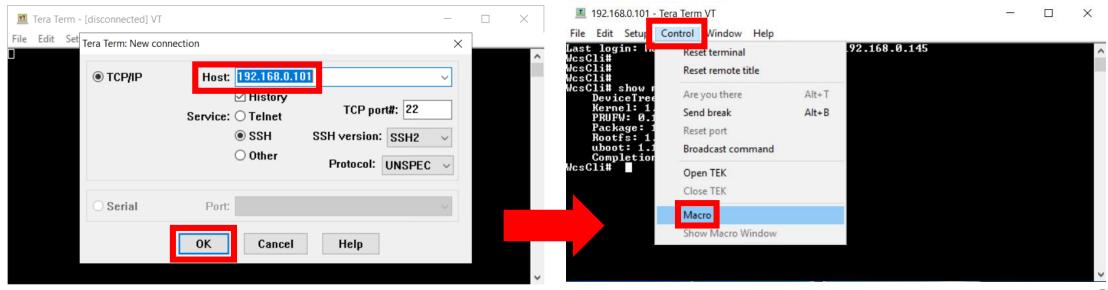
#### **TeraTerm**

#### Prepare TeraTerm and TTL files

- Place TeraTerm and TTL files into headnode OS
- Move the TTL files into directory ..\teraterm-4.106\macro

#### Connect to Rack Manager

- Open a TeraTerm window and connect as TCP/IP (User: root / Password: \$pl3nd1D)
- Execute a TTL file, the macro will automatically finish the task





# AC On/Off/Reset/Cycle

 Read instructions and make sure the setup items is correct before executing the macro:

 These macros is used for automatically power on, off or reset the DUTs.



### **SEL Read**

 Read instructions and make sure the setup items is correct before executing the macro:

• These macros is used for read BMC SEL (System Event Logs) from the DUTs.



# **CP (Celestial Peak) Re-config**

 Read instructions and make sure the setup items is correct before executing the macro:

• These macros is used for re-config the CP card on the DUTs (mostly on C2080/C2195/S2295).





# Flash BIOS/BMC/CPLD/PSU

 Read instructions and make sure the setup items is correct before executing the macro:

 These macros is used for automatically flash firmware (BIOS/BMC/CPLD/PSU) then reset the DUTs.



### Flash RM

 Read instructions and make sure the setup items is correct before executing the macro:

• These macros is used for update the RM; make sure the DUTs can be controlled by this RM version.





## **DUT Control Commands**

Function	Commands
Show Network Interface	\$ show network interface -i <interface></interface>
Check Rack Inventory	\$ show manager inventory
Check RM Version	\$ show manager version
Check DUT Info	\$ show system info -i <id></id>
Check PSU Version	\$ show system psu version -i <id></id>
Power On DUT	\$ set manager port on -i <id></id>
Power Off DUT	\$ set manager port off -i <id> -f</id>
Power Reset DUT	\$ set manager port on -i <id></id>
Read SEL from	\$ show system log read -i <id></id>
Login to SoC OS (Celestial Peak)	\$ start session serial -i <id> -b 1</id>



# Firmware Update Commands

Function	Commands
Update BIOS Firmware	\$ set system bios update -i <id> -f <file></file></id>
Update BMC Firmware	\$ set system bmc update -i <id> -f <file></file></id>
Update CPLD Firmware	\$ set system cpld update -i <id> -f <file></file></id>
Update PSU Firmware	\$ set system psu update -i <id> -f <file> -t 1</file></id>
Update RM Firmware	\$ set manager fwupdate <file></file>
Check BIOS Firmware Update Status	\$ show system bios update -i <id></id>
Check BMC Firmware Update Status	\$ show system bmc update -i <id></id>
Check CPLD Firmware Update Status	\$ show system cpld update -i <id></id>
Check PSU Firmware Update Status	\$ show system psu update -i <id></id>
Check RM Firmware Update Status	\$ show manager fwupdate status





# Thanks!