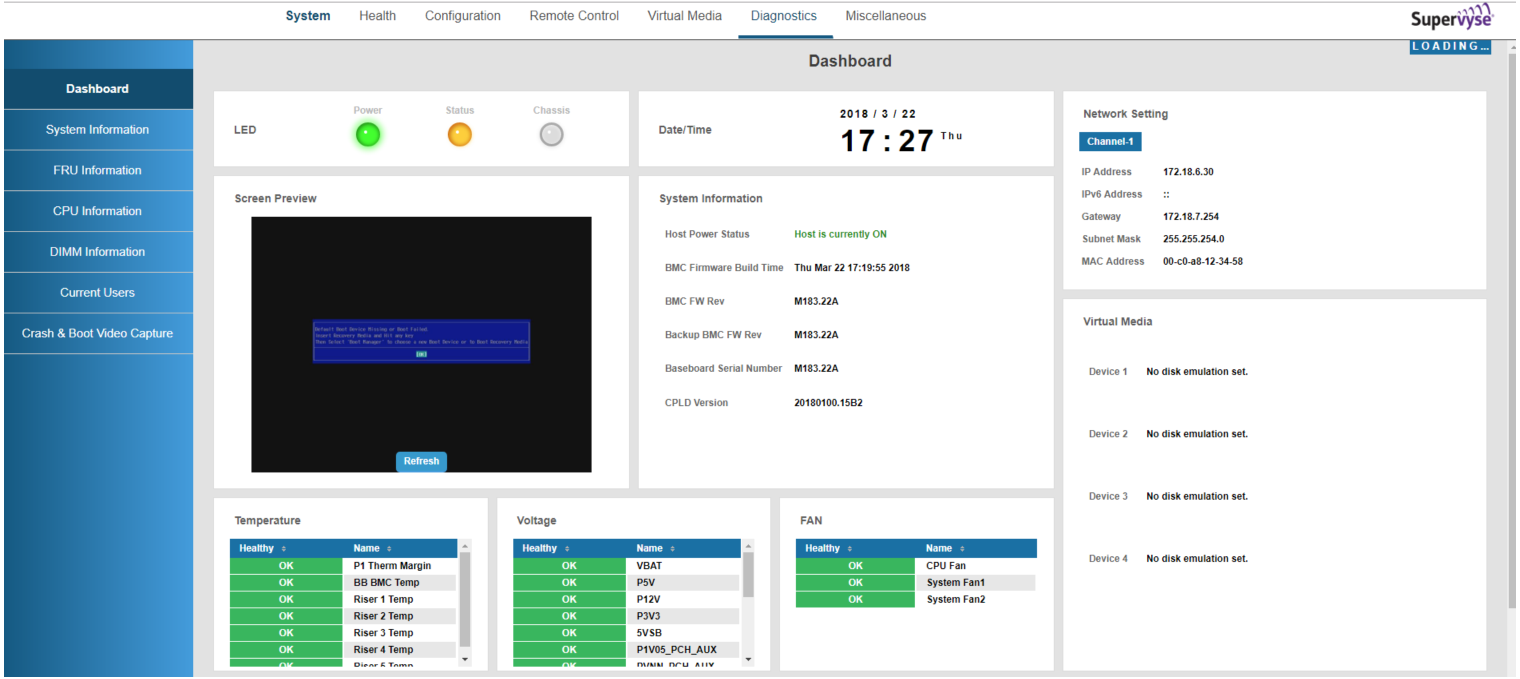
Retail
Power Generation
Digital Signage
Industrial Automation
Marine
Medical
DFI
Military
Gaming
Surveillance
Transportation

IPMI

DFI

BMC web interface: Dashboard


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Supervyse
LOADING...
Dashboard
System Information
FRU Information
CPU Information
DIMM Information
Current Users
Crash & Boot Video Capture
Screen Preview
Refresh
Channel-1

Dashboard

LED: Power ● Status ● Chassis ○

Date/Time: 2018 / 3 / 22 17 : 27 Thu

System Information

Host Power Status	Host is currently ON
BMC Firmware Build Time	Thu Mar 22 17:19:55 2018
BMC FW Rev	M183.22A
Backup BMC FW Rev	M183.22A
Baseboard Serial Number	M183.22A
CPLD Version	20180100.15B2

Network Setting

IP Address	172.18.6.30
IPv6 Address	::
Gateway	172.18.7.254
Subnet Mask	255.255.254.0
MAC Address	00-c0-a8-12-34-58

Virtual Media

Device 1	No disk emulation set.
Device 2	No disk emulation set.
Device 3	No disk emulation set.
Device 4	No disk emulation set.

Temperature

Healthy	Name
OK	P1 Therm Margin
OK	BB BMC Temp
OK	Riser 1 Temp
OK	Riser 2 Temp
OK	Riser 3 Temp
OK	Riser 4 Temp
OK	Riser 5 Temp

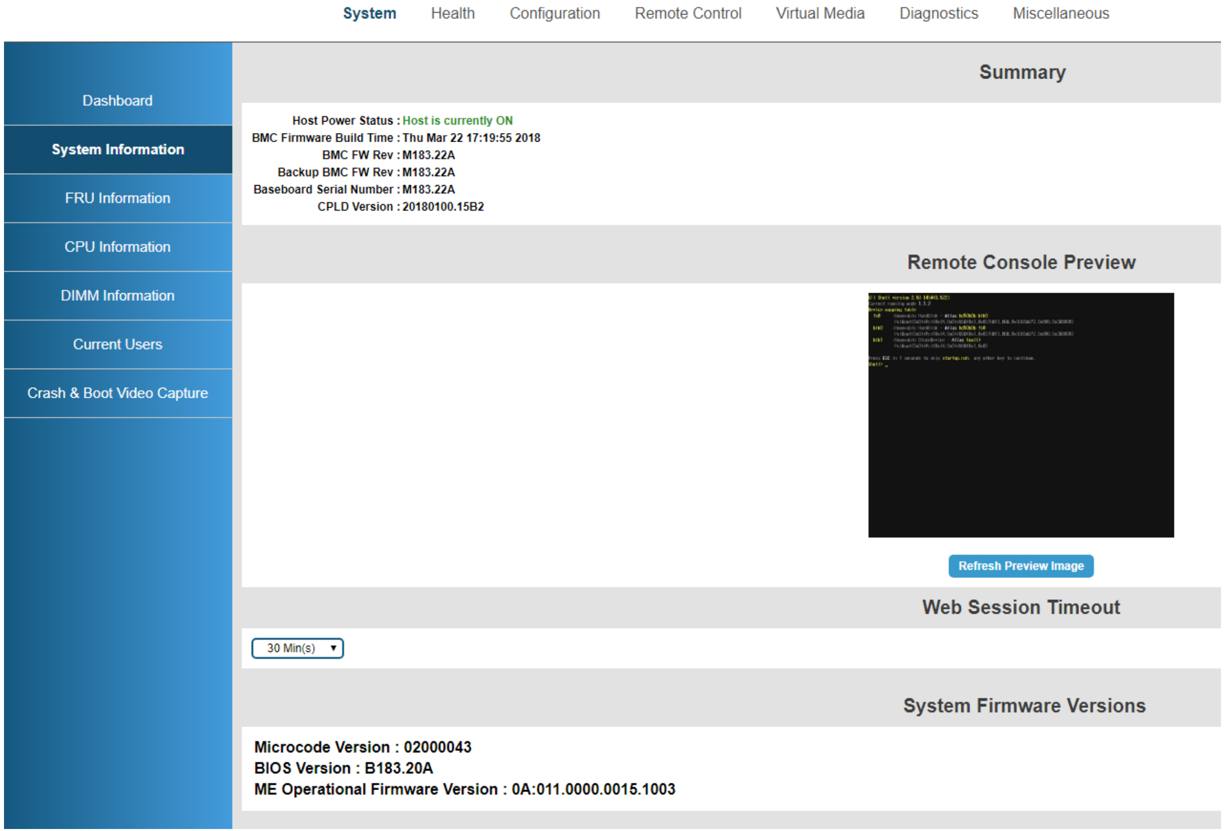
Voltage

Healthy	Name
OK	VBAT
OK	P5V
OK	P12V
OK	P3V3
OK	5VSB
OK	P1V05_PCH_AUX
OK	PVNN_PCH_AUX

FAN

Healthy	Name
OK	CPU Fan
OK	System Fan1
OK	System Fan2

BMC web interface: System Information


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Dashboard
System Information
FRU Information
CPU Information
DIMM Information
Current Users
Crash & Boot Video Capture
Refresh Preview Image

Summary

Host Power Status : Host is currently ON
BMC Firmware Build Time : Thu Mar 22 17:19:55 2018
BMC FW Rev : M183.22A
Backup BMC FW Rev : M183.22A
Baseboard Serial Number : M183.22A
CPLD Version : 20180100.15B2

Remote Console Preview

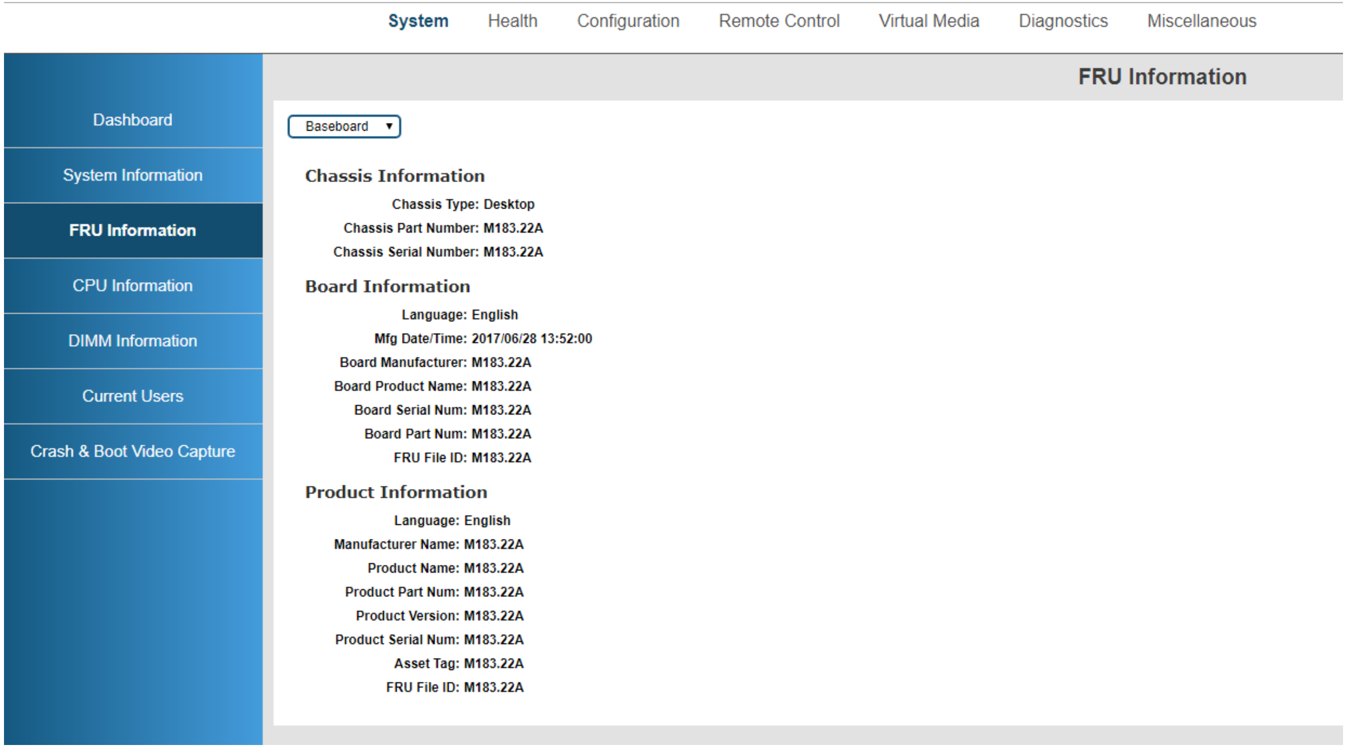
Web Session Timeout

30 Min(s)

System Firmware Versions

Microcode Version : 02000043
BIOS Version : B183.20A
ME Operational Firmware Version : 0A:011.0000.0015.1003

BMC web interface: FRU


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Dashboard
System Information
FRU Information
CPU Information
DIMM Information
Current Users
Crash & Boot Video Capture
Baseboard ▾

FRU Information

Chassis Information

Chassis Type: Desktop
Chassis Part Number: M183.22A
Chassis Serial Number: M183.22A

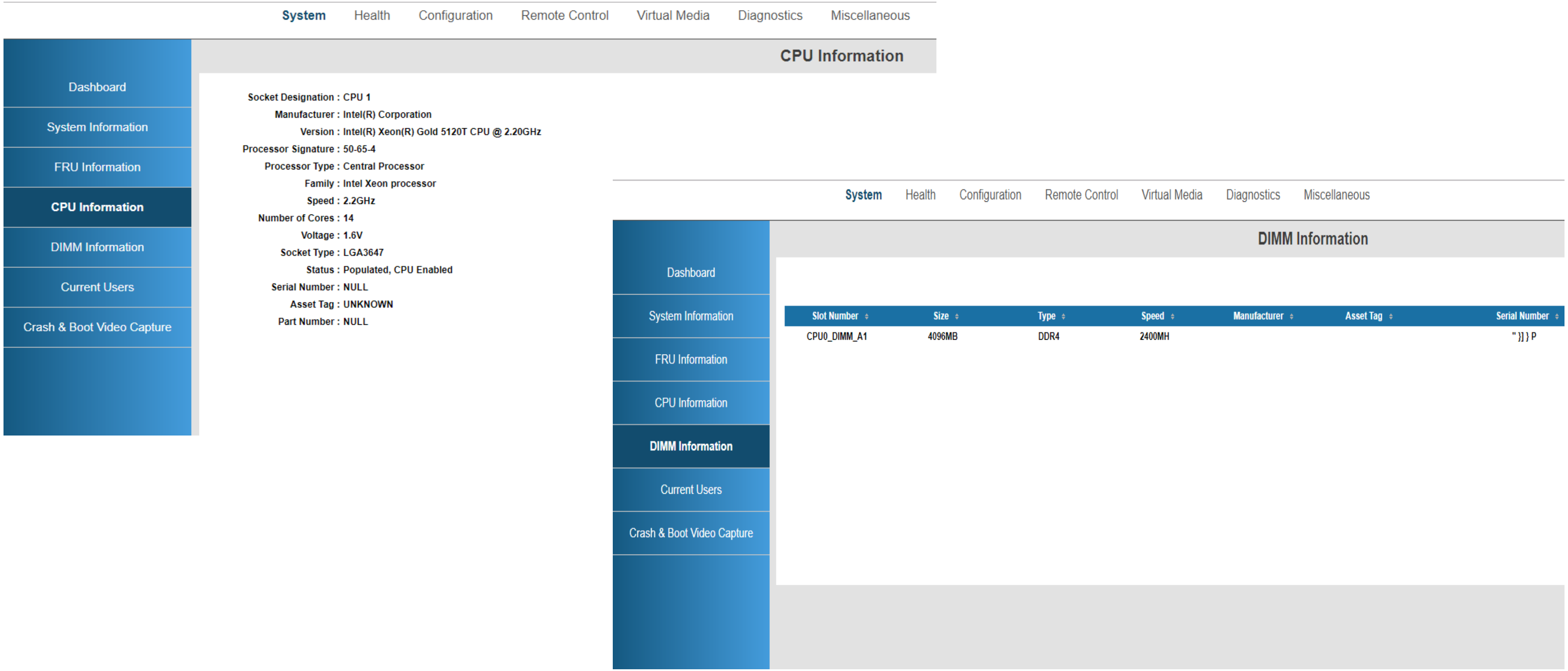
Board Information

Language: English
Mfg Date/Time: 2017/06/28 13:52:00
Board Manufacturer: M183.22A
Board Product Name: M183.22A
Board Serial Num: M183.22A
Board Part Num: M183.22A
FRU File ID: M183.22A

Product Information

Language: English
Manufacturer Name: M183.22A
Product Name: M183.22A
Product Part Num: M183.22A
Product Version: M183.22A
Product Serial Num: M183.22A
Asset Tag: M183.22A
FRU File ID: M183.22A

BMC web interface: Host CPU & RAM Info


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Dashboard
System Information
FRU Information
CPU Information
DIMM Information
Current Users
Crash & Boot Video Capture

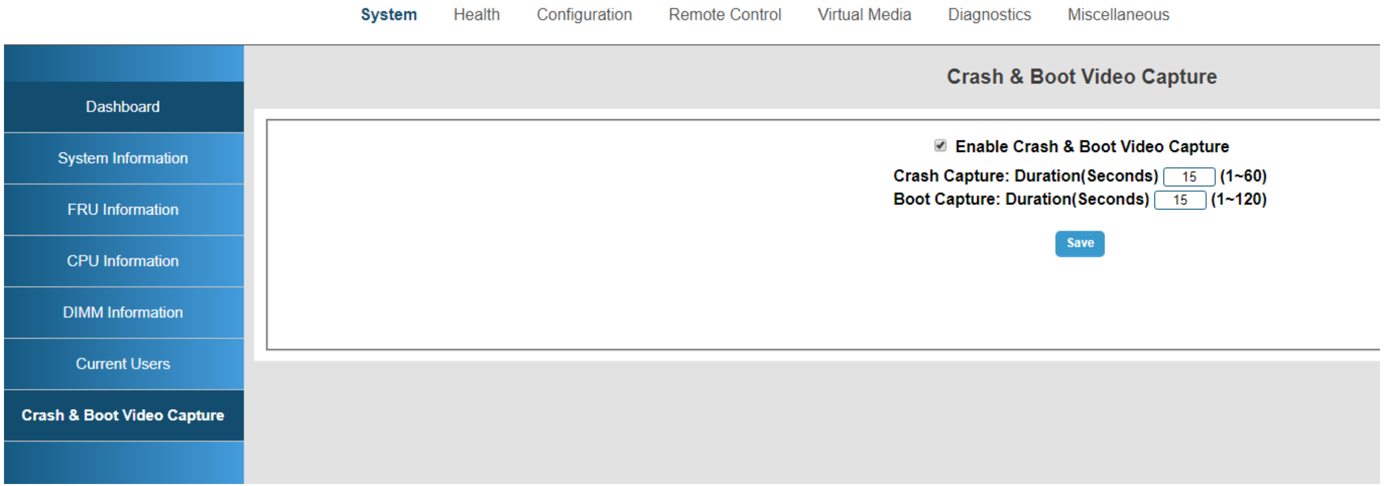
CPU Information

Socket Designation : CPU 1
Manufacturer : Intel(R) Corporation
Version : Intel(R) Xeon(R) Gold 5120T CPU @ 2.20GHz
Processor Signature : 50-65-4
Processor Type : Central Processor
Family : Intel Xeon processor
Speed : 2.2GHz
Number of Cores : 14
Voltage : 1.6V
Socket Type : LGA3647
Status : Populated, CPU Enabled
Serial Number : NULL
Asset Tag : UNKNOWN
Part Number : NULL

DIMM Information

Slot Number	Size	Type	Speed	Manufacturer	Asset Tag	Serial Number
CPU0_DIMM_A1	4096MB	DDR4	2400MH			" }] } P

BMC web interface: Crash Framebuffer Dump


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Dashboard
System Information
FRU Information
CPU Information
DIMM Information
Current Users
Crash & Boot Video Capture
Save

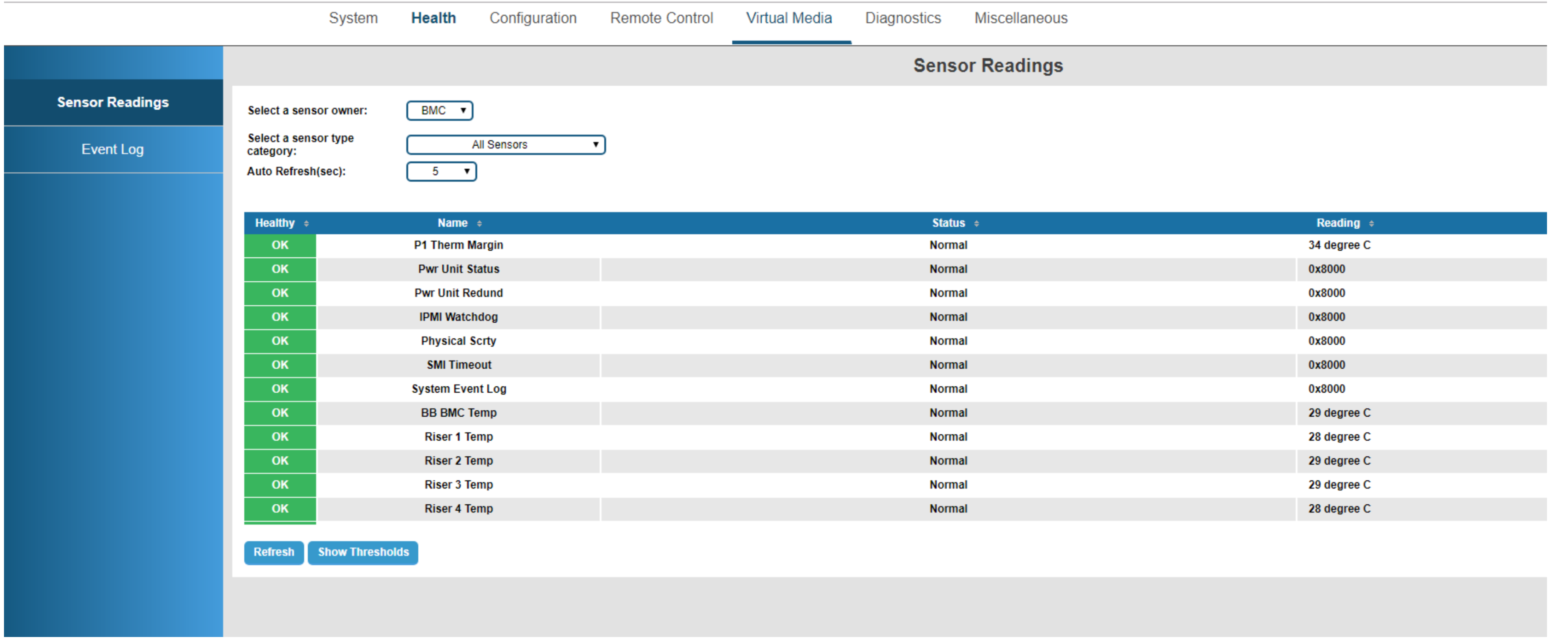
Crash & Boot Video Capture

☑ Enable Crash & Boot Video Capture

Crash Capture: Duration(Seconds) 15 (1~60)

Boot Capture: Duration(Seconds) 15 (1~120)

BMC web interface: Sensors


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Sensor Readings
Event Log
Refresh
Show Thresholds

Sensor Readings

Select a sensor owner: BMC

Select a sensor type category: All Sensors

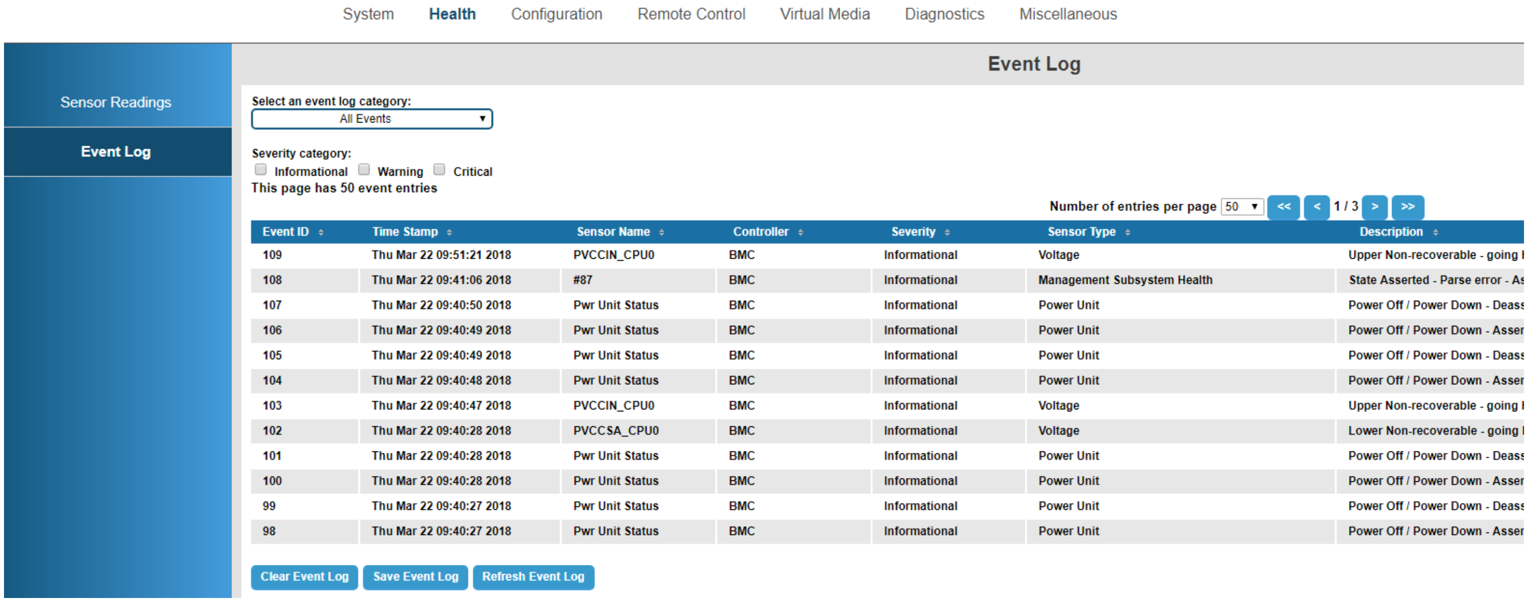
Auto Refresh(sec): 5

Healthy	Name	Status	Reading
OK	P1 Therm Margin	Normal	34 degree C
OK	Pwr Unit Status	Normal	0x8000
OK	Pwr Unit Redund	Normal	0x8000
OK	IPMI Watchdog	Normal	0x8000
OK	Physical Scrty	Normal	0x8000
OK	SMI Timeout	Normal	0x8000
OK	System Event Log	Normal	0x8000
OK	BB BMC Temp	Normal	29 degree C
OK	Riser 1 Temp	Normal	28 degree C
OK	Riser 2 Temp	Normal	29 degree C
OK	Riser 3 Temp	Normal	29 degree C
OK	Riser 4 Temp	Normal	28 degree C

Note:

FAN sensor threshold should be customized only, otherwise it will be set to default value after AC POWER OFF.

BMC web interface: Event Log



Event Log

Select an event log category: All Events

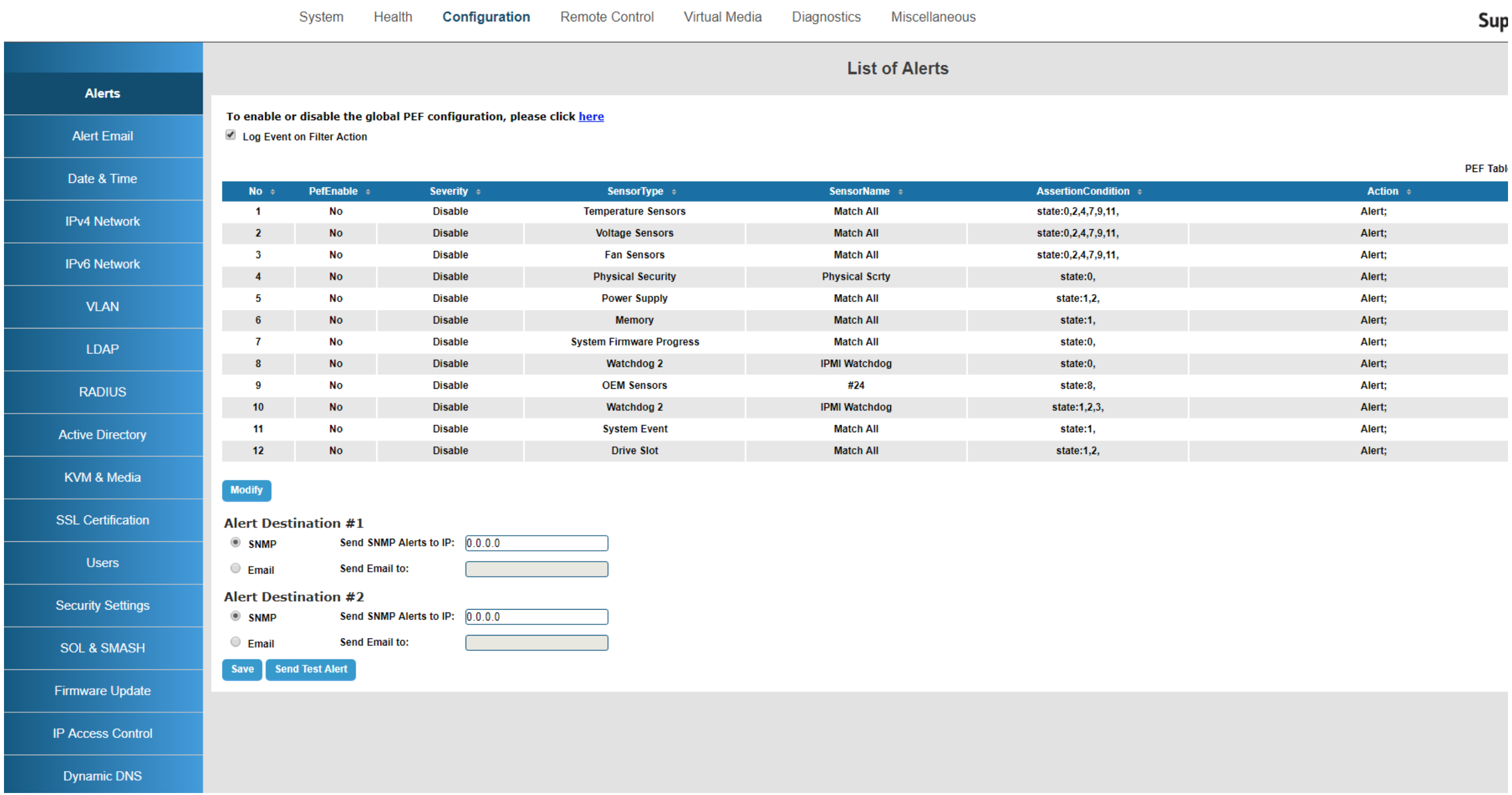
Severity category:
☐ Informational ☐ Warning ☐ Critical

This page has 50 event entries

Number of entries per page 50 1 / 3

Event ID	Time Stamp	Sensor Name	Controller	Severity	Sensor Type	Description
109	Thu Mar 22 09:51:21 2018	PVCCIN_CPU0	BMC	Informational	Voltage	Upper Non-recoverable - going
108	Thu Mar 22 09:41:06 2018	#87	BMC	Informational	Management Subsystem Health	State Asserted - Parse error - As
107	Thu Mar 22 09:40:50 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Deass
106	Thu Mar 22 09:40:49 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Asser
105	Thu Mar 22 09:40:49 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Deass
104	Thu Mar 22 09:40:48 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Asser
103	Thu Mar 22 09:40:47 2018	PVCCIN_CPU0	BMC	Informational	Voltage	Upper Non-recoverable - going
102	Thu Mar 22 09:40:28 2018	PVCCSA_CPU0	BMC	Informational	Voltage	Lower Non-recoverable - going
101	Thu Mar 22 09:40:28 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Deass
100	Thu Mar 22 09:40:28 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Asser
99	Thu Mar 22 09:40:27 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Deass
98	Thu Mar 22 09:40:27 2018	Pwr Unit Status	BMC	Informational	Power Unit	Power Off / Power Down - Asser

BMC web interface: BMC configurations


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Sup
Alerts
Alert Email
Date & Time
IPv4 Network
IPv6 Network
VLAN
LDAP
RADIUS
Active Directory
KVM & Media
SSL Certification
Users
Security Settings
SOL & SMASH
Firmware Update
IP Access Control
Dynamic DNS
PEF Tabl
Modify
Save
Send Test Alert

List of Alerts

To enable or disable the global PEF configuration, please click here

☑ Log Event on Filter Action

No	PefEnable	Severity	SensorType	SensorName	AssertionCondition	Action
1	No	Disable	Temperature Sensors	Match All	state:0,2,4,7,9,11,	Alert;
2	No	Disable	Voltage Sensors	Match All	state:0,2,4,7,9,11,	Alert;
3	No	Disable	Fan Sensors	Match All	state:0,2,4,7,9,11,	Alert;
4	No	Disable	Physical Security	Physical Scrty	state:0,	Alert;
5	No	Disable	Power Supply	Match All	state:1,2,	Alert;
6	No	Disable	Memory	Match All	state:1,	Alert;
7	No	Disable	System Firmware Progress	Match All	state:0,	Alert;
8	No	Disable	Watchdog 2	IPMI Watchdog	state:0,	Alert;
9	No	Disable	OEM Sensors	#24	state:8,	Alert;
10	No	Disable	Watchdog 2	IPMI Watchdog	state:1,2,3,	Alert;
11	No	Disable	System Event	Match All	state:1,	Alert;
12	No	Disable	Drive Slot	Match All	state:1,2,	Alert;

Alert Destination #1

● SNMP Send SNMP Alerts to IP: 0.0.0.0

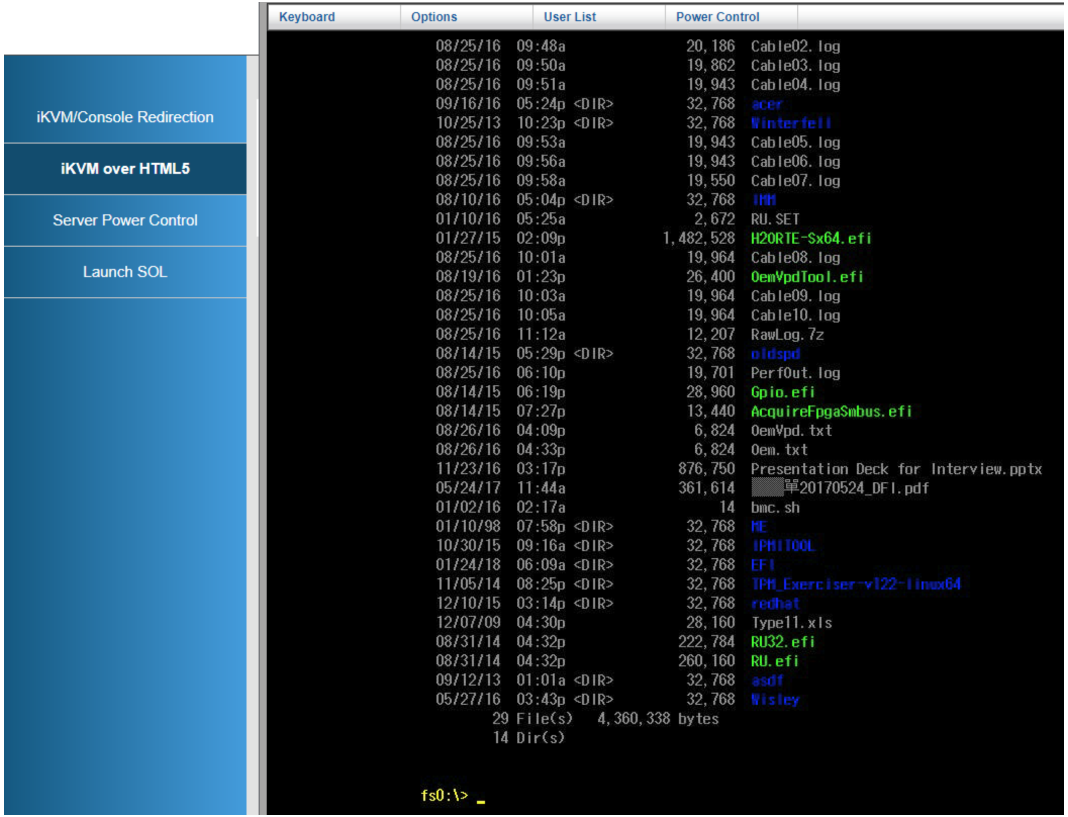
○ Email Send Email to:

Alert Destination #2

● SNMP Send SNMP Alerts to IP: 0.0.0.0

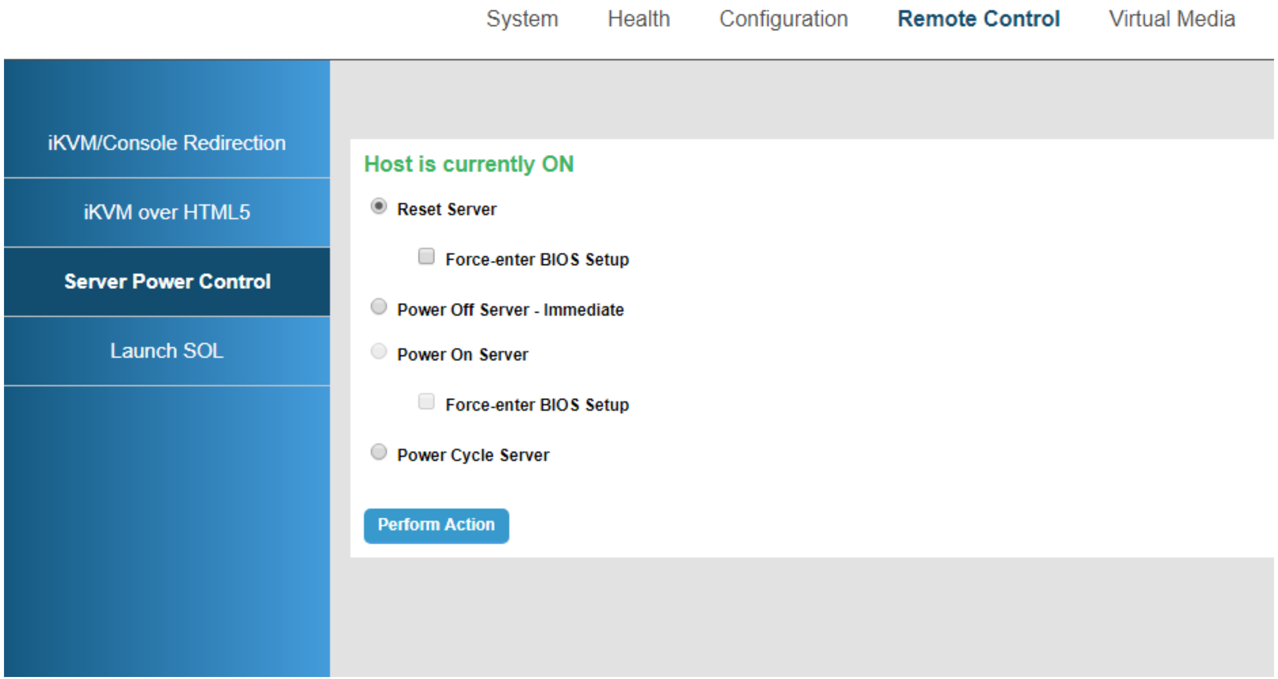
○ Email Send Email to:

BMC web interface: KVM over HTML5



```
          08/25/16  09:48a              20,186  Cable02.log
          08/25/16  09:50a              19,862  Cable03.log
          08/25/16  09:51a              19,943  Cable04.log
          09/16/16  05:24p <DIR>        32,768  acer
          10/25/13  10:23p <DIR>        32,768  Winterfell
          08/25/16  09:53a              19,943  Cable05.log
          08/25/16  09:56a              19,943  Cable06.log
          08/25/16  09:58a              19,550  Cable07.log
          08/10/16  05:04p <DIR>        32,768  IMM
          01/10/16  05:25a               2,672  RU.SET
          01/27/15  02:09p           1,482,528  H2ORTE-Sx64.efi
          08/25/16  10:01a              19,964  Cable08.log
          08/19/16  01:23p              26,400  OemVpdTool.efi
          08/25/16  10:03a              19,964  Cable09.log
          08/25/16  10:05a              19,964  Cable10.log
          08/25/16  11:12a              12,207  RawLog.7z
          08/14/15  05:29p <DIR>        32,768  oldspd
          08/25/16  06:10p              19,701  PerfOut.log
          08/14/15  06:19p              28,960  Gpio.efi
          08/14/15  07:27p              13,440  AcquireFpgaSmbus.efi
          08/26/16  04:09p               6,824  OemVpd.txt
          08/26/16  04:33p               6,824  Oem.txt
          11/23/16  03:17p             876,750  Presentation Deck for Interview.pptx
          05/24/17  11:44a             361,614  [redacted]單20170524_DFI.pdf
          01/02/16  02:17a                  14  bmc.sh
          01/10/98  07:58p <DIR>        32,768  ME
          10/30/15  09:16a <DIR>        32,768  IPMITOOL
          01/24/18  06:09a <DIR>        32,768  EFI
          11/05/14  08:25p <DIR>        32,768  TPM_Exerciser-v122-linux64
          12/10/15  03:14p <DIR>        32,768  redhat
          12/07/09  04:30p              28,160  Type11.xls
          08/31/14  04:32p             222,784  RU32.efi
          08/31/14  04:32p             260,160  RU.efi
          09/12/13  01:01a <DIR>        32,768  asdf
          05/27/16  03:43p <DIR>        32,768  Wisley
                 29 File(s)   4,360,338 bytes
                 14 Dir(s)


fs0:\> _
```

BMC web interface: Power Control


System
Health
Configuration
Remote Control
Virtual Media
iKVM/Console Redirection
iKVM over HTML5
Server Power Control
Launch SOL
Perform Action

Host is currently ON

● Reset Server

☐ Force-enter BIOS Setup

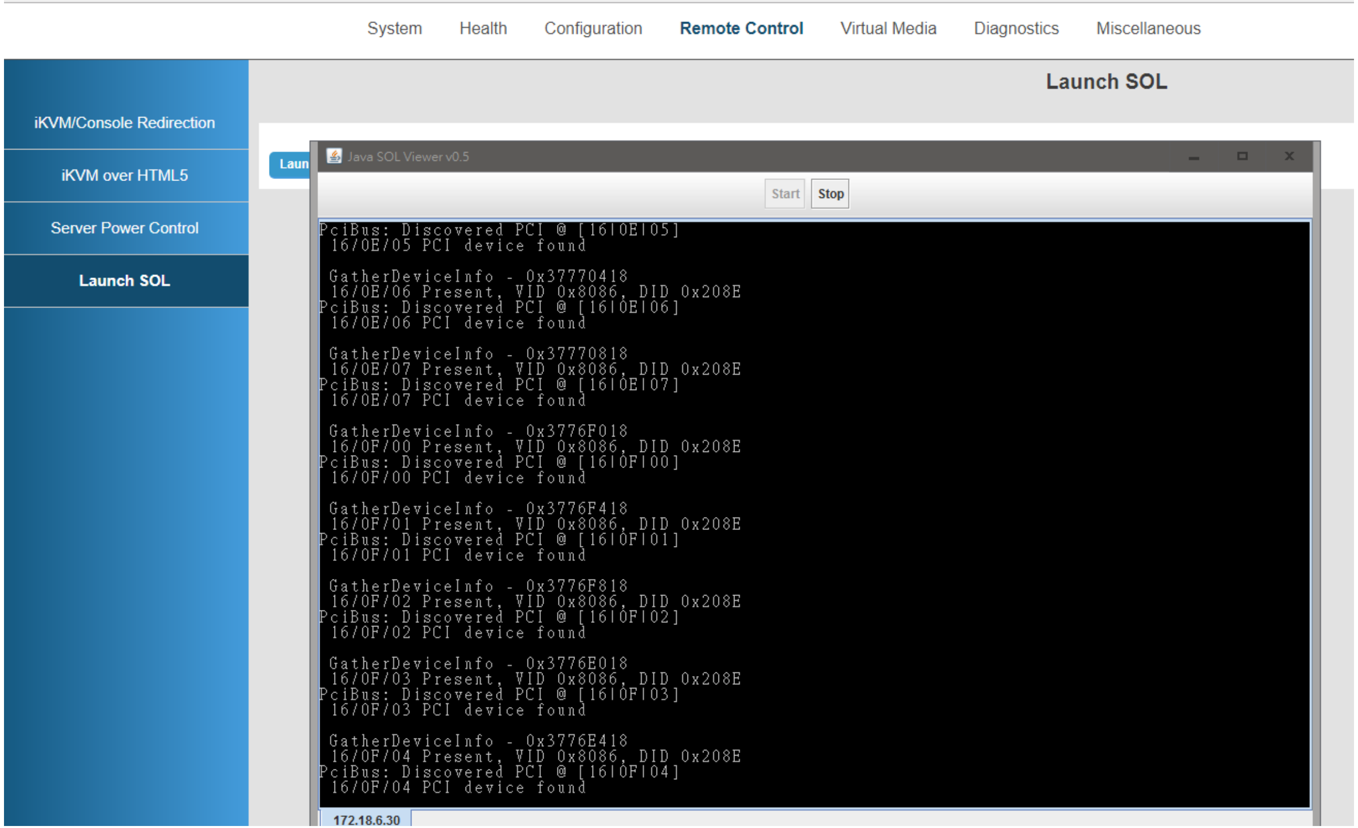
○ Power Off Server - Immediate

○ Power On Server

☐ Force-enter BIOS Setup

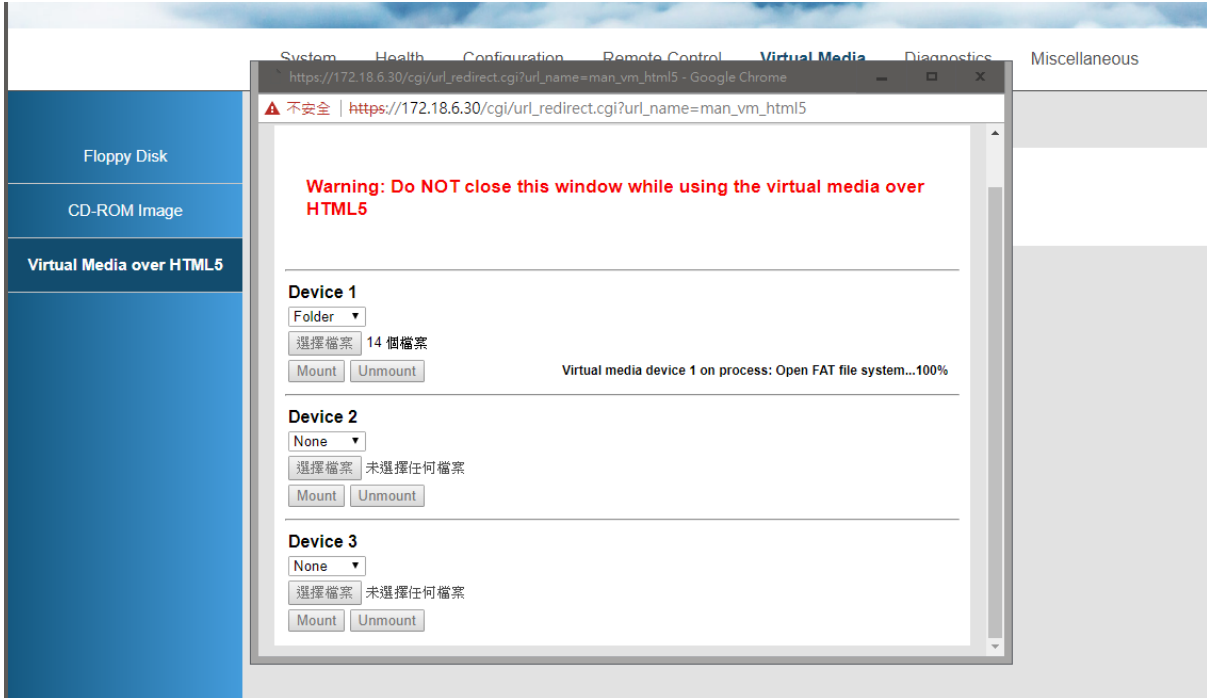
○ Power Cycle Server

BMC web interface: Serial Over LAN


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Launch SOL
iKVM/Console Redirection
iKVM over HTML5
Server Power Control
Launch SOL
Laun
Java SOL Viewer v0.5
Start
Stop
172.18.6.30

```
PciBus: Discovered PCI @ [16|0E|05]
 16/0E/05 PCI device found

 GatherDeviceInfo - 0x37770418
 16/0E/06 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0E|06]
 16/0E/06 PCI device found

 GatherDeviceInfo - 0x37770818
 16/0E/07 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0E|07]
 16/0E/07 PCI device found

 GatherDeviceInfo - 0x3776F018
 16/0F/00 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0F|00]
 16/0F/00 PCI device found

 GatherDeviceInfo - 0x3776F418
 16/0F/01 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0F|01]
 16/0F/01 PCI device found

 GatherDeviceInfo - 0x3776F818
 16/0F/02 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0F|02]
 16/0F/02 PCI device found

 GatherDeviceInfo - 0x3776E018
 16/0F/03 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0F|03]
 16/0F/03 PCI device found

 GatherDeviceInfo - 0x3776E418
 16/0F/04 Present, VID 0x8086, DID 0x208E
PciBus: Discovered PCI @ [16|0F|04]
 16/0F/04 PCI device found
```

BMC web interface: Virtual Media


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
Floppy Disk
CD-ROM Image
Virtual Media over HTML5
https://172.18.6.30/cgi/url_redirect.cgi?url_name=man_vm_html5 - Google Chrome
不安全 | ~~https~~://172.18.6.30/cgi/url_redirect.cgi?url_name=man_vm_html5
選擇檔案
Mount
Unmount

Warning: Do NOT close this window while using the virtual media over HTML5

Device 1

Folder ▾

選擇檔案 14 個檔案

Mount Unmount Virtual media device 1 on process: Open FAT file system...100%

Device 2

None ▾

選擇檔案 未選擇任何檔案

Mount Unmount

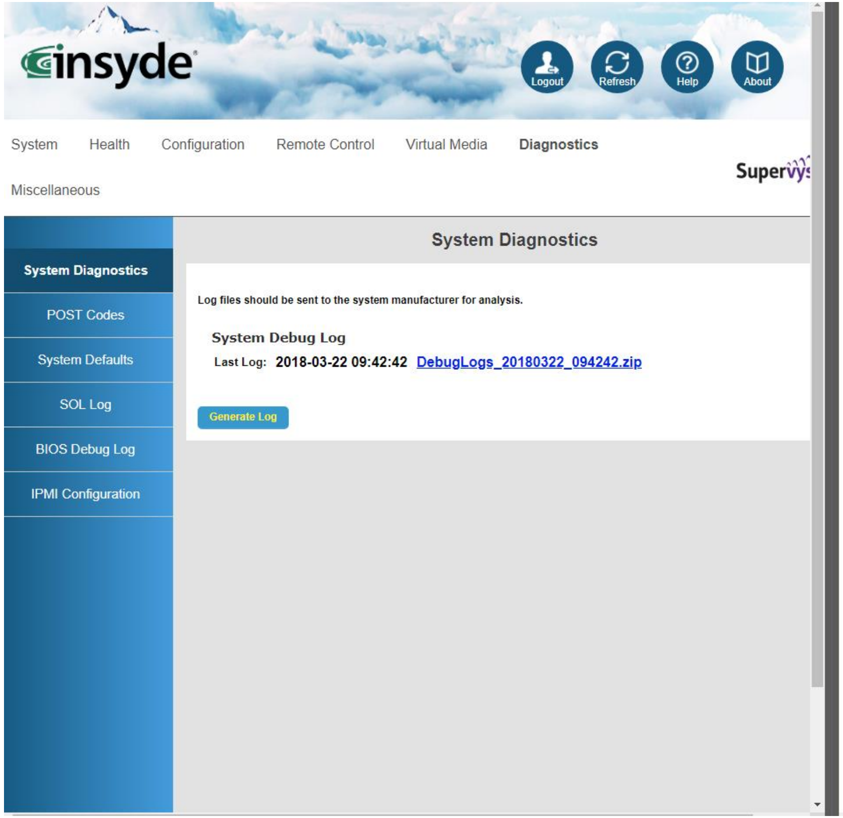
Device 3

None ▾

選擇檔案 未選擇任何檔案

Mount Unmount

BMC web interface: System Log

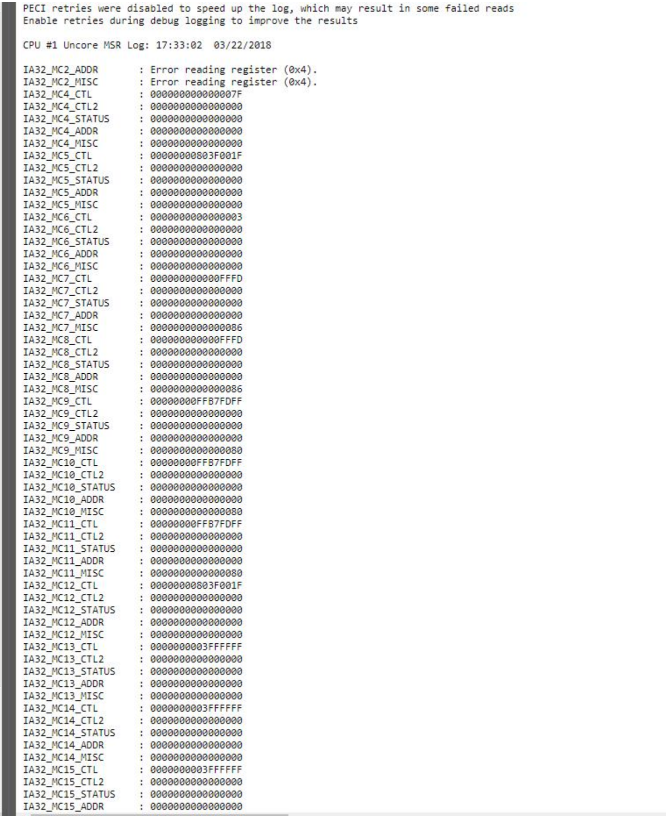


System Diagnostics

Log files should be sent to the system manufacturer for analysis.

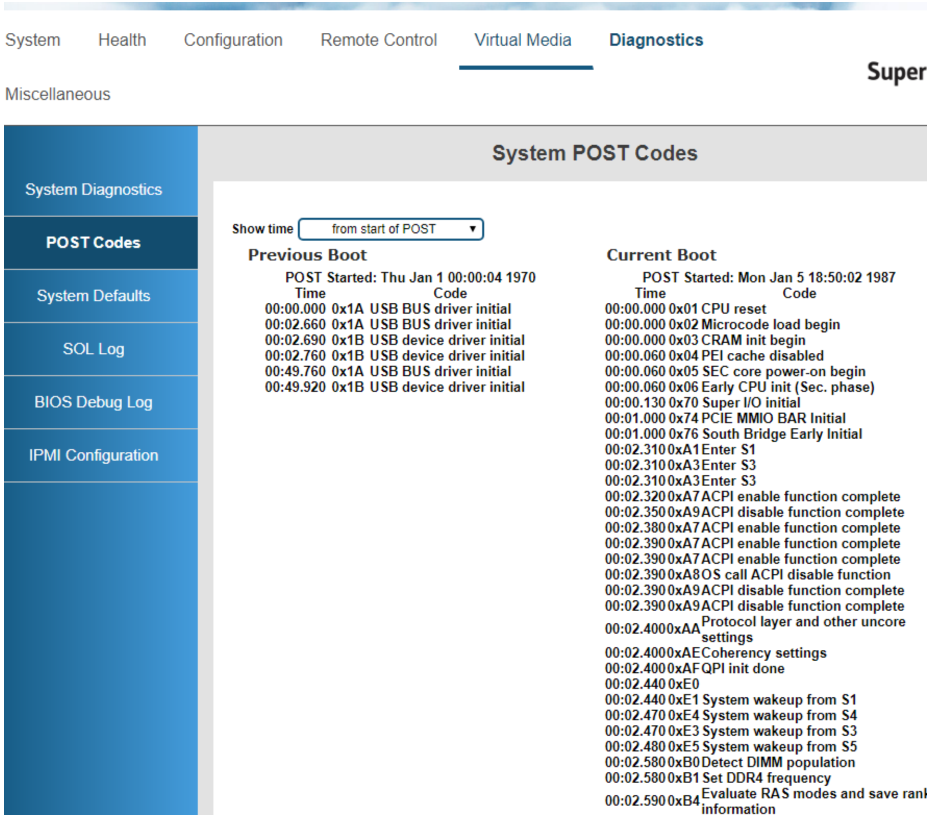
System Debug Log

Last Log: 2018-03-22 09:42:42 DebugLogs_20180322_094242.zip



```
PECI retries were disabled to speed up the log, which may result in some failed reads
Enable retries during debug logging to improve the results

CPU #1 Uncore MSR Log: 17:33:02  03/22/2018

IA32_MC2_ADDR        : Error reading register (0x4).
IA32_MC2_MISC        : Error reading register (0x4).
IA32_MC4_CTL         : 000000000000007F
IA32_MC4_CTL2        : 0000000000000000
IA32_MC4_STATUS      : 0000000000000000
IA32_MC4_ADDR        : 0000000000000000
IA32_MC4_MISC        : 0000000000000000
IA32_MC5_CTL         : 00000000803F001F
IA32_MC5_CTL2        : 0000000000000000
IA32_MC5_STATUS      : 0000000000000000
IA32_MC5_ADDR        : 0000000000000000
IA32_MC5_MISC        : 0000000000000000
IA32_MC6_CTL         : 0000000000000003
IA32_MC6_CTL2        : 0000000000000000
IA32_MC6_STATUS      : 0000000000000000
IA32_MC6_ADDR        : 0000000000000000
IA32_MC6_MISC        : 0000000000000000
IA32_MC7_CTL         : 000000000000FFFD
IA32_MC7_CTL2        : 0000000000000000
IA32_MC7_STATUS      : 0000000000000000
IA32_MC7_ADDR        : 0000000000000000
IA32_MC7_MISC        : 0000000000000086
IA32_MC8_CTL         : 000000000000FFFD
IA32_MC8_CTL2        : 0000000000000000
IA32_MC8_STATUS      : 0000000000000000
IA32_MC8_ADDR        : 0000000000000000
IA32_MC8_MISC        : 0000000000000086
IA32_MC9_CTL         : 00000000FFB7FDFF
IA32_MC9_CTL2        : 0000000000000000
IA32_MC9_STATUS      : 0000000000000000
IA32_MC9_ADDR        : 0000000000000000
IA32_MC9_MISC        : 0000000000000080
IA32_MC10_CTL        : 00000000FFB7FDFF
IA32_MC10_CTL2       : 0000000000000000
IA32_MC10_STATUS     : 0000000000000000
IA32_MC10_ADDR       : 0000000000000000
IA32_MC10_MISC       : 0000000000000080
IA32_MC11_CTL        : 00000000FFB7FDFF
IA32_MC11_CTL2       : 0000000000000000
IA32_MC11_STATUS     : 0000000000000000
IA32_MC11_ADDR       : 0000000000000000
IA32_MC11_MISC       : 0000000000000080
IA32_MC12_CTL        : 00000000803F001F
IA32_MC12_CTL2       : 0000000000000000
IA32_MC12_STATUS     : 0000000000000000
IA32_MC12_ADDR       : 0000000000000000
IA32_MC12_MISC       : 0000000000000000
IA32_MC13_CTL        : 000000003FFFFFF
IA32_MC13_CTL2       : 0000000000000000
IA32_MC13_STATUS     : 0000000000000000
IA32_MC13_ADDR       : 0000000000000000
IA32_MC13_MISC       : 0000000000000000
IA32_MC14_CTL        : 000000003FFFFFF
IA32_MC14_CTL2       : 0000000000000000
IA32_MC14_STATUS     : 0000000000000000
IA32_MC14_ADDR       : 0000000000000000
IA32_MC14_MISC       : 0000000000000000
IA32_MC15_CTL        : 000000003FFFFFF
IA32_MC15_CTL2       : 0000000000000000
IA32_MC15_STATUS     : 0000000000000000
IA32_MC15_ADDR       : 0000000000000000
```

BMC web interface: POST code


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Super
Miscellaneous
System Diagnostics
POST Codes
System Defaults
SOL Log
BIOS Debug Log
IPMI Configuration

System POST Codes

Show time: from start of POST

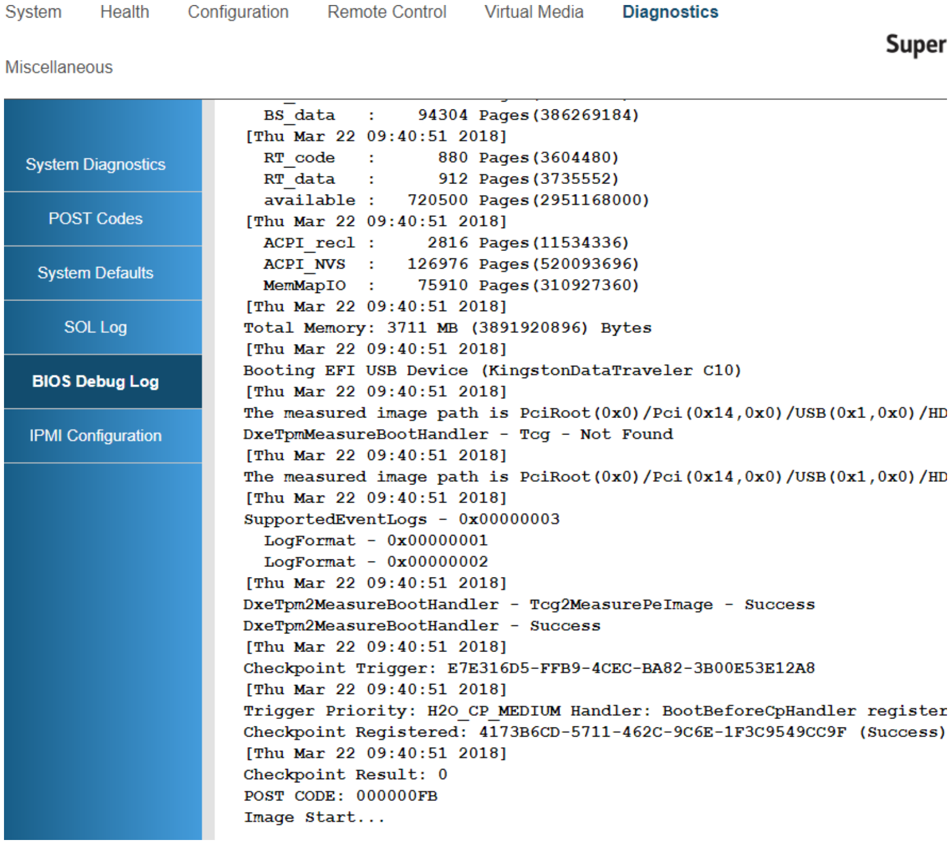
Previous Boot

```
POST Started: Thu Jan 1 00:00:04 1970
Time        Code
00:00.000 0x1A USB BUS driver initial
00:02.660 0x1A USB BUS driver initial
00:02.690 0x1B USB device driver initial
00:02.760 0x1B USB device driver initial
00:49.760 0x1A USB BUS driver initial
00:49.920 0x1B USB device driver initial
```

Current Boot

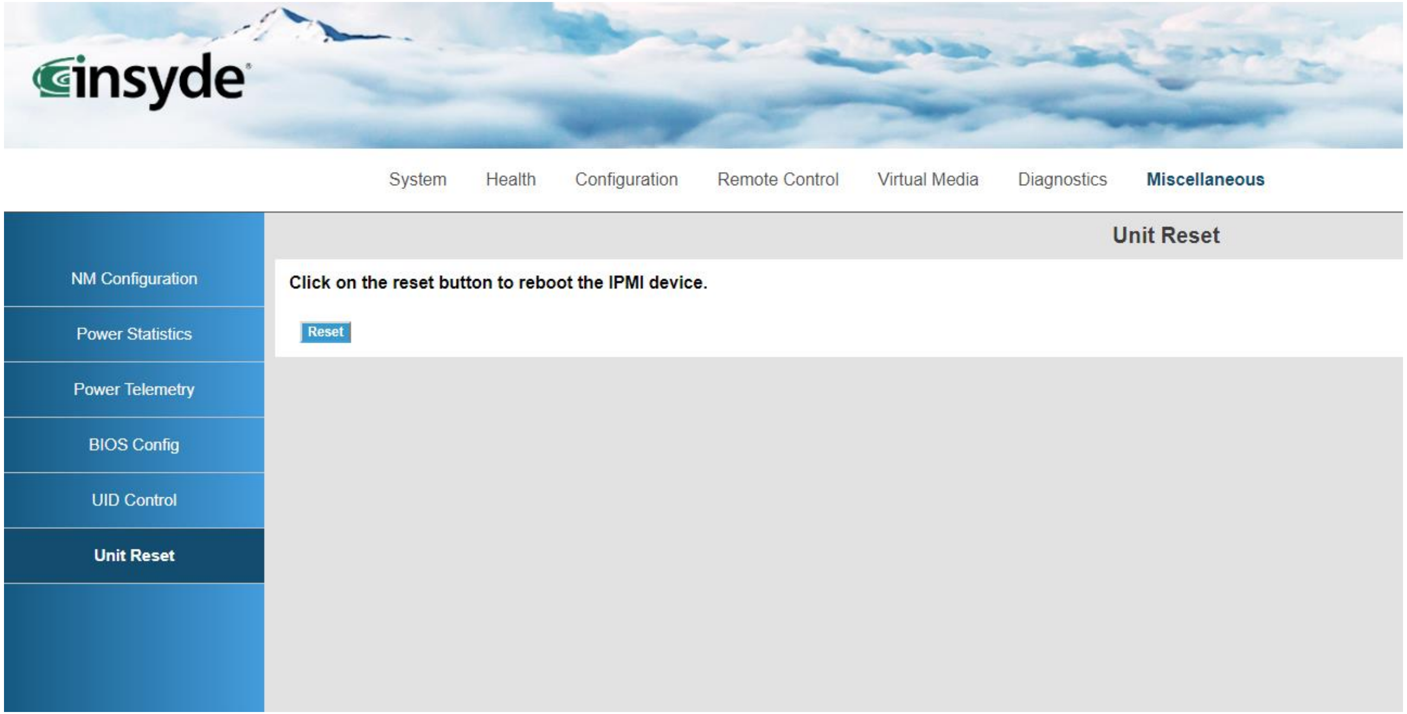
```
POST Started: Mon Jan 5 18:50:02 1987
Time        Code
00:00.000 0x01 CPU reset
00:00.000 0x02 Microcode load begin
00:00.000 0x03 CRAM init begin
00:00.060 0x04 PEI cache disabled
00:00.060 0x05 SEC core power-on begin
00:00.060 0x06 Early CPU init (Sec. phase)
00:00.130 0x70 Super I/O initial
00:01.000 0x74 PCIE MMIO BAR Initial
00:01.000 0x76 South Bridge Early Initial
00:02.310 0xA1 Enter S1
00:02.310 0xA3 Enter S3
00:02.310 0xA3 Enter S3
00:02.320 0xA7 ACPI enable function complete
00:02.350 0xA9 ACPI disable function complete
00:02.380 0xA7 ACPI enable function complete
00:02.390 0xA7 ACPI enable function complete
00:02.390 0xA7 ACPI enable function complete
00:02.390 0xA8 OS call ACPI disable function
00:02.390 0xA9 ACPI disable function complete
00:02.390 0xA9 ACPI disable function complete
00:02.400 0xAA Protocol layer and other uncore
               settings
00:02.400 0xAE Coherency settings
00:02.400 0xAF QPI init done
00:02.440 0xE0
00:02.440 0xE1 System wakeup from S1
00:02.470 0xE4 System wakeup from S4
00:02.470 0xE3 System wakeup from S3
00:02.480 0xE5 System wakeup from S5
00:02.580 0xB0 Detect DIMM population
00:02.580 0xB1 Set DDR4 frequency
00:02.590 0xB4 Evaluate RAS modes and save rank
               information
```

BMC web interface: BIOS debug log


System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Super
Miscellaneous
System Diagnostics
POST Codes
System Defaults
SOL Log
BIOS Debug Log
IPMI Configuration

```
  BS_data    :    94304 Pages(386269184)
[Thu Mar 22 09:40:51 2018]
  RT_code    :      880 Pages(3604480)
  RT_data    :      912 Pages(3735552)
  available :   720500 Pages(2951168000)
[Thu Mar 22 09:40:51 2018]
  ACPI_recl :     2816 Pages(11534336)
  ACPI_NVS   :   126976 Pages(520093696)
  MemMapIO   :    75910 Pages(310927360)
[Thu Mar 22 09:40:51 2018]
Total Memory: 3711 MB (3891920896) Bytes
[Thu Mar 22 09:40:51 2018]
Booting EFI USB Device (KingstonDataTraveler C10)
[Thu Mar 22 09:40:51 2018]
The measured image path is PciRoot(0x0)/Pci(0x14,0x0)/USB(0x1,0x0)/HD
DxeTpmMeasureBootHandler - Tcg - Not Found
[Thu Mar 22 09:40:51 2018]
The measured image path is PciRoot(0x0)/Pci(0x14,0x0)/USB(0x1,0x0)/HD
[Thu Mar 22 09:40:51 2018]
SupportedEventLogs - 0x00000003
  LogFormat - 0x00000001
  LogFormat - 0x00000002
[Thu Mar 22 09:40:51 2018]
DxeTpm2MeasureBootHandler - Tcg2MeasurePeImage - Success
DxeTpm2MeasureBootHandler - Success
[Thu Mar 22 09:40:51 2018]
Checkpoint Trigger: E7E316D5-FFB9-4CEC-BA82-3B00E53E12A8
[Thu Mar 22 09:40:51 2018]
Trigger Priority: H2O_CP_MEDIUM Handler: BootBeforeCpHandler register
Checkpoint Registered: 4173B6CD-5711-462C-9C6E-1F3C9549CC9F (Success)
[Thu Mar 22 09:40:51 2018]
Checkpoint Result: 0
POST CODE: 000000FB
Image Start...
```

BMC web interface: Misc. config


insyde
System
Health
Configuration
Remote Control
Virtual Media
Diagnostics
Miscellaneous
NM Configuration
Power Statistics
Power Telemetry
BIOS Config
UID Control
Unit Reset
Unit Reset
Reset

Click on the reset button to reboot the IPMI device.