GB200 Partner Diag Results

CPV Disk Image - Results

Field Test Summary Level 1 - CPV Image

```
Unpacking onediag...
Removing Nvidia drivers and services...
Warning: Stopping systemd-udevd.service, but it can still be activated by:
  systemd-udevd-control.socket
  systemd-udevd-kernel.socket
Installing MODS driver...
Starting OneDiag...
**********************************************************************
*                                                                    *
*                      DGX FIELD DIAGNOSTIC                          *
*                                                                    *
**********************************************************************

Version                 24975-0000-FLD-42402
Base diag               r8.287
Python                  /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/python/python-3.10.7-glibc-
2.17-aarch64/bin/python3
Build Date              Thu, 20 Feb 2025
Start time              Fri, 14 Mar 2025 13:56:41
Est. Completion time    Sat, 15 Mar 2025 03:55:41
Logs                    /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250314-134939
Inforom logs            /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250314-134939
/inforom
Product                 ORACLE SERVER GB200
Product Version         MB-QS1
Family                  HGX
SKU
Serial Number           2446XKU51W

Dumping inforom OK [ 0:50s ]
Testing Inventory FAILED [ 0:49s ]
Testing TegraCpu OK [ 5:00s ]
Testing TegraMemory FAILED [ 0:01s ]
Testing CpuMemorySweep FAILED [ 0:02s ]
Testing TegraClink OK [ 10:01s ]
Testing Gpustress FAILED [ 0:33s ]
Testing Gpumem FAILED [ 0:33s ]
Testing Pcie OK [ 13:29s ]
Testing C2C FAILED [ 1:09s ]
Testing CPUVDD_PowerStress OK [ 30:28s ]
Testing CpuGpuConstPower FAILED [ 1:09s ]
Testing Connectivity FAILED [ 1:09s ]
Testing Nvlink FAILED [ 1:09s ]
Testing DimmStress OK [ 5:42s ]
Testing PowerTest FAILED [ 1:09s ]
Testing SyslogErrorCheck OK (IGNORED) [ 0:05s ]
Testing KernLogErrorCheck OK (IGNORED) [ 0:05s ]
Testing DmesgLogErrorCheck OK (IGNORED) [ 0:01s ]
Testing SyslogAERCheck OK (IGNORED) [ 0:05s ]
Testing KernLogAERCheck OK (IGNORED) [ 0:05s ]
Testing DmesgLogAERCheck OK (IGNORED) [ 0:01s ]

Exit Code        | Virtual Id        | Test          | Subtest           | Component          |
Component Id               | Notes
==================================================================================================================
==================================================================================================================
==========
MODS-000000000000 | inforom          | inforom       |                   | GPU                |
0018_01_00.0              | OK
MODS-000000000000 | inforom          | inforom       |                   | GPU                |
```

```
0009_01_00.0                     | OK
MODS-000000000000 | inforom          | inforom        |                          | GPU           |
0019_01_00.0                     | OK
MODS-000000000000 | inforom          | inforom        |                          | GPU           |
0008_01_00.0                     | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
NUMA_NODE0_CPU                   | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
NUMA_NODE1_CPU                   | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMMQuantity                     | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMMBankQuantity                 | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMMSize                         | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPUNum                           | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
CPU_Num                          | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
CPU_Cores                        | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMM_0_CPULocator                | OK
DGX-000000000105  | Inventory        | inventory      |                          | System        |
DIMM_0_TotalWidth                | 'DIMM_0_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory        | inventory      |                          | System        |
DIMM_0_DataWidth                 | 'DIMM_0_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMM_0_Size                      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMM_1_CPULocator                | OK
DGX-000000000105  | Inventory        | inventory      |                          | System        |
DIMM_1_TotalWidth                | 'DIMM_1_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory        | inventory      |                          | System        |
DIMM_1_DataWidth                 | 'DIMM_1_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory        | inventory      |                          | System        |
DIMM_1_Size                      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_RetimerCount    | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_VBIOS_version   | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_VendorID        | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_DeviceID        | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_SSVendorID      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_SSDeviceID      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0018_01_00_0_PCIID           | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_RetimerCount    | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_VBIOS_version   | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_VendorID        | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_DeviceID        | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_SSVendorID      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_SSDeviceID      | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0008_01_00_0_PCIID           | OK
DGX-000000000000  | Inventory        | inventory      |                          | System        |
GPU_0009_01_00_0_RetimerCount    | OK
```

Node	Test	Type	Subtype	Category	Result
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_VBIOS_version	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_InfoROM_version	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_VendorID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_DeviceID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_SSVendorID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_SSDeviceID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0009_01_00_0_PCIID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_RetimerCount	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_VBIOS_version	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_InfoROM_version	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_VendorID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_DeviceID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_SSVendorID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_SSDeviceID	OK
DGX-000000000000	Inventory	inventory		System	GPU_0019_01_00_0_PCIID	OK
MODS-000000000000	TegraCpu	tegra_cpu		CPU	OK
DGX-000000000001	TegraMemory	tegra_memory		Memory	MODS exited with status 1
DGX-000000000001	CpuMemorySweep	tegra_memory		Memory	MODS exited with status 1
MODS-000000000000	TegraClink	tegra_clink		CPU	OK
MODS-000000000284	Gpustress	gpustress		GPU	0018_01_00.0_SN_1654024000091	unsupported system configuration
MODS-000000000284	Gpustress	gpustress		GPU	0009_01_00.0_SN_1654024000240	unsupported system configuration
MODS-000000000284	Gpustress	gpustress		GPU	0019_01_00.0_SN_1654024000091	unsupported system configuration
MODS-000000000284	Gpustress	gpustress		GPU	0008_01_00.0_SN_1654024000240	unsupported system configuration
MODS-000000000284	Gpumem	gpumem		GPU	0018_01_00.0_SN_1654024000091	unsupported system configuration
MODS-000000000284	Gpumem	gpumem		GPU	0009_01_00.0_SN_1654024000240	unsupported system configuration
MODS-000000000284	Gpumem	gpumem		GPU	0019_01_00.0_SN_1654024000091	unsupported system configuration
MODS-000000000284	Gpumem	gpumem		GPU	0008_01_00.0_SN_1654024000240	unsupported system configuration
MODS-000000000000	Pcie	pcie		PCIE	0018_01_00.0_SN_1654024000091	OK
MODS-000000000000	Pcie	pcie		PCIE	0009_01_00.0_SN_1654024000240	OK
MODS-000000000000	Pcie	pcie		PCIE	0019_01_00.0_SN_1654024000091	OK
MODS-000000000000	Pcie	pcie		PCIE	0008_01_00.0_SN_1654024000240	OK
MODS-000000000284	C2C	c2c		C2C	unsupported system configuration
MODS-000000000000	CPUVDD_PowerStress	tegra_cpu		CPU	OK
DGX-000000000000	CPUVDD_PowerStress	tegra_cpu		CPU	OK - No sensor limits configured
MODS-000000000284	CpuGpuConstPower	thermal		System	unsupported system configuration
MODS-000000000284	Connectivity	connectivity	nvlink	GPU, PCIE, Nvlink, I2C	

```
                                   | unsupported system configuration
MODS-000000000284 | Nvlink          | nvlink          | concurrent          | NVLink
                                   | unsupported system configuration
DGX-000000000000 | DimmStress       | dimmecc         |                     | DIMM
                                   | OK
MODS-000000000284 | PowerTest        | thermal         |                     | System
                                   | unsupported system configuration
DGX-000000000000 | SyslogErrorCheck  | chkoccurrences  |                     | System
                                   | OK - Found 75 matches of regex "(?i).*error.*" in /var/log/syslog. No fail
threshold set.
DGX-000000000000 | SyslogErrorCheck  | chkoccurrences  |                     | System
                                   | SyslogErrorCheck results ignored. Pass on fail is true
DGX-000000000000 | KernLogErrorCheck | chkoccurrences  |                     | System
                                   | OK - Found 51 matches of regex "(?i).*error.*" in /var/log/kern.log. No
fail threshold set.
DGX-000000000000 | KernLogErrorCheck | chkoccurrences  |                     | System
                                   | KernLogErrorCheck results ignored. Pass on fail is true
DGX-000000000000 | DmesgLogErrorCheck | chkoccurrences |                     | System
                                   | OK - Found 17 matches of regex "(?i).*error.*" in dmesg command output. No
fail threshold set.
DGX-000000000000 | DmesgLogErrorCheck | chkoccurrences |                     | System
                                   | DmesgLogErrorCheck results ignored. Pass on fail is true
DGX-000000000000 | SyslogAERCheck    | chkoccurrences  |                     | System
                                   | OK - Found 14 matches of regex "(?i).*AER.*" in /var/log/syslog. No fail
threshold set.
DGX-000000000000 | SyslogAERCheck    | chkoccurrences  |                     | System
                                   | SyslogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | KernLogAERCheck   | chkoccurrences  |                     | System
                                   | OK - Found 14 matches of regex "(?i).*AER.*" in /var/log/kern.log. No fail
threshold set.
DGX-000000000000 | KernLogAERCheck   | chkoccurrences  |                     | System
                                   | KernLogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | DmesgLogAERCheck  | chkoccurrences  |                     | System
                                   | OK
DGX-000000000000 | DmesgLogAERCheck  | chkoccurrences  |                     | System
                                   | DmesgLogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | AutomaticRepair   | repair_utility | Test Post Processing | GPU
                                   | OK - Nothing to repair


#######    ####    ########  ###
#######   ######   ########  ###
##        ##  ##      ##      ###
##        ##  ##      ##      ###
#######  ########     ##      ###
#######  ########     ##      ###
##        ##  ##      ##      ###
##        ##  ##  ########  ########
##        ##  ##  ########  ########


Final Result: FAIL
End time: Fri, 14 Mar 2025 15:10:25 [ 73:44s elapsed ]
Copying logs...
```

Field Test Summary Level 2 - CPV Image

```
Removing Nvidia drivers and services...
Installing MODS driver...
Starting OneDiag...
****************************************************************
*                                                              *
*                    DGX FIELD DIAGNOSTIC                       *
*                                                              *
****************************************************************
```

```
Version                 24975-0000-FLD-42402
Base diag               r8.287
Python                  /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/python/python-3.10.7-glibc-
2.17-aarch64/bin/python3
Build Date              Thu, 20 Feb 2025
Start time              Fri, 14 Mar 2025 18:36:05
Est. Completion time    Sat, 15 Mar 2025 08:35:05
Logs                    /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250314-183551
Inforom logs            /local/burninator/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250314-183551
/inforom
Product                 ORACLE SERVER GB200
Product Version         MB-QS1
Family                  HGX
SKU
Serial Number           2446XKU51W

Dumping inforom OK [ 0:50s ]
Testing Inventory FAILED [ 0:43s ]
Testing TegraCpu OK [ 5:00s ]
Testing TegraMemory FAILED [ 0:01s ]
Testing CpuMemorySweep FAILED [ 0:03s ]
Testing TegraClink OK [ 10:01s ]
Testing Gpustress FAILED [ 0:33s ]
Testing Gpumem FAILED [ 0:33s ]
Testing Pcie OK [ 13:38s ]
Testing C2C FAILED [ 1:09s ]
Testing CPUVDD_PowerStress OK [ 30:27s ]
Testing CpuGpuConstPower FAILED [ 1:09s ]
Testing Connectivity FAILED [ 1:09s ]
Testing Nvlink FAILED [ 1:09s ]
Testing DimmStress OK [ 5:42s ]
Testing PowerTest FAILED [ 1:09s ]
Testing SyslogErrorCheck OK (IGNORED) [ 0:10s ]
Testing KernLogErrorCheck OK (IGNORED) [ 0:10s ]
Testing DmesgLogErrorCheck OK (IGNORED) [ 0:01s ]
Testing SyslogAERCheck OK (IGNORED) [ 0:10s ]
Testing KernLogAERCheck OK (IGNORED) [ 0:10s ]
Testing DmesgLogAERCheck OK (IGNORED) [ 0:01s ]
```

Exit Code	Virtual Id	Test	Subtest	Component	Component Id	Notes
MODS-000000000000	inforom	inforom		GPU	0018_01_00.0	OK
MODS-000000000000	inforom	inforom		GPU	0009_01_00.0	OK
MODS-000000000000	inforom	inforom		GPU	0019_01_00.0	OK
MODS-000000000000	inforom	inforom		GPU	0008_01_00.0	OK
DGX-000000000000	Inventory	inventory		System	NUMA_NODE0_CPU	OK
DGX-000000000000	Inventory	inventory		System	NUMA_NODE1_CPU	OK
DGX-000000000000	Inventory	inventory		System	DIMMQuantity	OK
DGX-000000000000	Inventory	inventory		System	DIMMBankQuantity	OK
DGX-000000000000	Inventory	inventory		System	DIMMSize	OK
DGX-000000000000	Inventory	inventory		System	GPUNum	OK
DGX-000000000000	Inventory	inventory		System	CPU_Num	OK
DGX-000000000000	Inventory	inventory		System	CPU_Cores	OK
DGX-000000000000	Inventory	inventory		System	DIMM_0_CPULocator	OK

```
DGX-000000000105  | Inventory          | inventory     |                         | System          |
DIMM_0_TotalWidth                      | 'DIMM_0_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory          | inventory     |                         | System          |
DIMM_0_DataWidth                       | 'DIMM_0_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory          | inventory     |                         | System          |
DIMM_0_Size                  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
DIMM_1_CPULocator            | OK
DGX-000000000105  | Inventory          | inventory     |                         | System          |
DIMM_1_TotalWidth                      | 'DIMM_1_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory          | inventory     |                         | System          |
DIMM_1_DataWidth                       | 'DIMM_1_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory          | inventory     |                         | System          |
DIMM_1_Size                  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_RetimerCount   | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_VBIOS_version  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_VendorID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_DeviceID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_SSVendorID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_SSDeviceID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0018_01_00_0_PCIID       | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_RetimerCount   | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_VBIOS_version  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_VendorID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_DeviceID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_SSVendorID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_SSDeviceID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0008_01_00_0_PCIID       | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_RetimerCount   | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_VBIOS_version  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_VendorID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_DeviceID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_SSVendorID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_SSDeviceID  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0009_01_00_0_PCIID       | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0019_01_00_0_RetimerCount   | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0019_01_00_0_VBIOS_version  | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0019_01_00_0_InfoROM_version | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
GPU_0019_01_00_0_VendorID    | OK
DGX-000000000000  | Inventory          | inventory     |                         | System          |
```

```
GPU_0019_01_00_0_DeviceID       | OK
DGX-000000000000  | Inventory         | inventory    |                        | System                 |
GPU_0019_01_00_0_SSVendorID     | OK
DGX-000000000000  | Inventory         | inventory    |                        | System                 |
GPU_0019_01_00_0_SSDeviceID     | OK
DGX-000000000000  | Inventory         | inventory    |                        | System                 |
GPU_0019_01_00_0_PCIID          | OK
MODS-000000000000 | TegraCpu          | tegra_cpu    |                        | CPU
|                              | OK
DGX-000000000001  | TegraMemory       | tegra_memory |                        | Memory
|                              | MODS exited with status 1
DGX-000000000001  | CpuMemorySweep    | tegra_memory |                        | Memory
|                              | MODS exited with status 1
MODS-000000000000 | TegraClink        | tegra_clink  |                        | CPU
|                              | OK
MODS-000000000284 | Gpustress         | gpustress    |                        | GPU                    |
0018_01_00.0_SN_1654024000091   | unsupported system configuration
MODS-000000000284 | Gpustress         | gpustress    |                        | GPU                    |
0009_01_00.0_SN_1654024000240   | unsupported system configuration
MODS-000000000284 | Gpustress         | gpustress    |                        | GPU                    |
0019_01_00.0_SN_1654024000091   | unsupported system configuration
MODS-000000000284 | Gpustress         | gpustress    |                        | GPU                    |
0008_01_00.0_SN_1654024000240   | unsupported system configuration
MODS-000000000284 | Gpumem            | gpumem       |                        | GPU                    |
0018_01_00.0_SN_1654024000091   | unsupported system configuration
MODS-000000000284 | Gpumem            | gpumem       |                        | GPU                    |
0009_01_00.0_SN_1654024000240   | unsupported system configuration
MODS-000000000284 | Gpumem            | gpumem       |                        | GPU                    |
0019_01_00.0_SN_1654024000091   | unsupported system configuration
MODS-000000000284 | Gpumem            | gpumem       |                        | GPU                    |
0008_01_00.0_SN_1654024000240   | unsupported system configuration
MODS-000000000000 | Pcie              | pcie         |                        | PCIE                   |
0018_01_00.0_SN_1654024000091   | OK
MODS-000000000000 | Pcie              | pcie         |                        | PCIE                   |
0009_01_00.0_SN_1654024000240   | OK
MODS-000000000000 | Pcie              | pcie         |                        | PCIE                   |
0019_01_00.0_SN_1654024000091   | OK
MODS-000000000000 | Pcie              | pcie         |                        | PCIE                   |
0008_01_00.0_SN_1654024000240   | OK
MODS-000000000284 | C2C               | c2c          |                        | C2C
|                              | unsupported system configuration
MODS-000000000000 | CPUVDD_PowerStress | tegra_cpu   |                        | CPU
|                              | OK
DGX-000000000000  | CPUVDD_PowerStress | tegra_cpu   |                        | CPU
|                              | OK - No sensor limits configured
MODS-000000000284 | CpuGpuConstPower  | thermal      |                        | System
|                              | unsupported system configuration
MODS-000000000284 | Connectivity      | connectivity | nvlink                 | GPU, PCIE, Nvlink, I2C
|                              | unsupported system configuration
MODS-000000000284 | Nvlink            | nvlink       | concurrent             | NVLink
|                              | unsupported system configuration
DGX-000000000000  | DimmStress        | dimmecc      |                        | DIMM
|                              | OK
MODS-000000000284 | PowerTest         | thermal      |                        | System
|                              | unsupported system configuration
DGX-000000000000  | SyslogErrorCheck  | chkoccurrences |                      | System
|                              | OK - Found 131 matches of regex "(?i).*error.*" in /var/log/syslog. No
fail threshold set.
DGX-000000000000  | SyslogErrorCheck  | chkoccurrences |                      | System
|                              | SyslogErrorCheck results ignored. Pass on fail is true
DGX-000000000000  | KernLogErrorCheck | chkoccurrences |                      | System
|                              | OK - Found 107 matches of regex "(?i).*error.*" in /var/log/kern.log. No
fail threshold set.
DGX-000000000000  | KernLogErrorCheck | chkoccurrences |                      | System
|                              | KernLogErrorCheck results ignored. Pass on fail is true
DGX-000000000000  | DmesgLogErrorCheck | chkoccurrences |                     | System
|                              | OK - Found 17 matches of regex "(?i).*error.*" in dmesg command output. No
fail threshold set.
DGX-000000000000  | DmesgLogErrorCheck | chkoccurrences |                     | System
|                              | DmesgLogErrorCheck results ignored. Pass on fail is true
DGX-000000000000  | SyslogAERCheck    | chkoccurrences |                      | System
```

```
|                                        | OK - Found 14 matches of regex "(?i).*AER.*" in /var/log/syslog. No fail
threshold set.
DGX-000000000000 | SyslogAERCheck    | chkoccurrences |                            | System
|                                        | SyslogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | KernLogAERCheck   | chkoccurrences |                            | System
|                                        | OK - Found 14 matches of regex "(?i).*AER.*" in /var/log/kern.log. No fail
threshold set.
DGX-000000000000 | KernLogAERCheck   | chkoccurrences |                            | System
|                                        | KernLogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | DmesgLogAERCheck  | chkoccurrences |                            | System
|                                        | OK
DGX-000000000000 | DmesgLogAERCheck  | chkoccurrences |                            | System
|                                        | DmesgLogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | AutomaticRepair   | repair_utility | Test Post Processing | GPU
|                                        | OK - Nothing to repair


#######    ####    ########  ###
#######   ######   ########  ###
##       ##   ##     ##      ###
##       ##   ##     ##      ###
#######  ########    ##      ###
#######  ########    ##      ###
##       ##   ##     ##      ###
##       ##   ##  ########  ########
##       ##   ##  ########  ########


Final Result: FAIL
End time: Fri, 14 Mar 2025 19:50:16 [ 74:10s elapsed ]
```

Burninator Live Image - Results

Field Test Level 1 Summary - Burninator Live Image

```
sudo ./partnerdiag --field --level1 --run_on_error --no_bmc
Removing Nvidia drivers and services...
Installing MODS driver...
Starting OneDiag...
********************************************************************
*                                                                  *
*                    DGX FIELD DIAGNOSTIC                          *
*                                                                  *
********************************************************************

Version               24975-0000-FLD-42011
Base diag             r8.253
Python                /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/python/python-3.10.7-glibc-2.17-
aarch64/bin/python3
Build Date            Fri, 17 Jan 2025
Start time            Tue, 11 Mar 2025 19:32:02
Est. Completion time  Wed, 12 Mar 2025 10:02:42
Logs                  /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/logs-20250311-193149
Inforom logs          /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/logs-20250311-193149/inforom
Product               ORACLE SERVER GB200
Product Version       MB-QS1
Family                HGX
SKU
Serial Number         2446XKU51W
Slot ID               None
Tray ID               None

Dumping inforom OK [ 2:41s ]
Testing Inventory FAILED [ 0:45s ]
Testing TegraCpu OK [ 31:06s ]
```

```
Testing TegraMemory FAILED [ 0:01s ]
Testing CpuMemorySweep SKIPPED [ 0:01s ]
Testing TegraClink OK [ 10:01s ]
Testing Gpustress OK [ 6:48s ]
Testing Gpumem OK [ 3:09s ]
Testing Pcie OK [ 21:22s ]
Testing C2C FAILED [ 8:08s ]
Testing CPUVDD_PowerStress OK [ 30:28s ]
Testing CpuGpuConstPower FAILED [ 1:09s ]
Testing Connectivity FAILED [ 1:09s ]
Testing Nvlink FAILED [ 1:09s ]
Testing DimmStress OK [ 5:46s ]

.........HALF information...... as we got interrupted

Exit Code        | Virtual Id        | Test            | Subtest          | Component          |
Component Id | Notes
==========================================================================================================
=======================================
MODS-000000000000 | CPUVDD_PowerStress | tegra_cpu       |                  | CPU
|             | OK
DGX-000000000000  | CPUVDD_PowerStress | tegra_cpu       |                  | CPU
|             | OK - No sensor limits configured
MODS-000000000284 | CpuGpuConstPower   | thermal         |                  | System
|             | unsupported system configuration
MODS-000000000284 | Connectivity       | connectivity    | nvlink           | GPU, PCIE, Nvlink, I2C
|             | unsupported system configuration
MODS-000000000284 | Nvlink             | nvlink          | concurrent       | NVLink
|             | unsupported system configuration
DGX-000000000000  | DimmStress         | dimmecc         |                  | DIMM
|             | OK
DGX-000000000000  | AutomaticRepair    | repair_utility  | Test Post Processing | GPU
|             | OK - Nothing to repair


#######    ####    ########  ###
#######   ######   ########  ###
##      ##   ##       ##      ###
##      ##   ##       ##      ###
#######  ########     ##      ###
#######  ########     ##      ###
##      ##   ##       ##      ###
##      ##   ##  ######## ########
##      ##   ##  ######## ########

Final Result: FAIL
```

Field Test Level 2 Summary - Burninator Live Image

Test Mfg (Manufacturing) Summary - Burninator Live Image

```
ubuntu@ubuntu:~/nvidia_tools/629-24975-0000-FLD-42402$ nohup sudo ./partnerdiag --mfg --run_on_error --no_bmc >
/tmp/diag_mfg.out 2> /tmp/diag_mfg.err && echo $? > /tmp/diag_status_mfg.log || echo $? > /tmp/diag_status_mfg.
log &
[1] 28213
ubuntu@ubuntu:~/nvidia_tools/629-24975-0000-FLD-42402$ tail -f /tmp/diag_mfg.out
Removing Nvidia drivers and services...
Installing MODS driver...
Starting OneDiag...
******************************************************************
*                                                                *
```

```
*                    DGX FIELD DIAGNOSTIC                      *
*                                                             *
***************************************************************

Version                 24975-0000-FLD-42402
Base diag               r8.287
Python                  /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/python/python-3.10.7-glibc-2.17-
aarch64/bin/python3
Build Date              Thu, 20 Feb 2025
Start time              Wed, 12 Mar 2025 00:45:29
Est. Completion time    Wed, 12 Mar 2025 07:12:29
Logs                    /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250312-004515
Inforom logs            /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/logs-20250312-004515/inforom
Product                 ORACLE SERVER GB200
Product Version         MB-QS1
Family                  HGX
SKU
Serial Number           2446XKU51W


Dumping inforom OK [ 0:50s ]
Testing Inventory FAILED [ 0:45s ]
Testing CxPcieProperties OK [ 0:01s ]
Testing BfPcieProperties FAILED [ 0:01s ]
Testing BfMgmtPcieProperties FAILED [ 0:01s ]
Testing TegraCpu OK [ 3:20s ]
Testing TegraMemory FAILED [ 0:01s ]
Testing CpuMemorySweep FAILED [ 0:01s ]
Testing TegraClink OK [ 0:06s ]
Testing Gpustress FAILED [ 0:33s ]
Testing Gpumem FAILED [ 0:33s ]
Testing Pcie OK [ 13:30s ]
Testing Connectivity FAILED [ 1:09s ]
Testing Nvlink FAILED [ 1:09s ]
Testing PowerTest FAILED [ 1:09s ]
Testing CxeyegradeStart SKIPPED [ 0:01s ]
Testing IbStressBf3PhyLoopback SKIPPED [ 0:01s ]
Testing IbStressBf3Loopout SKIPPED [ 0:01s ]
Testing IbStressCx7PhyLoopback SKIPPED [ 0:01s ]
Testing IbStressLoopout400G_8X SKIPPED [ 0:01s ]
Testing IbStressLoopout400G_4X SKIPPED [ 0:01s ]
Testing CxeyegradeStop SKIPPED [ 0:01s ]
Testing IbStressCables SKIPPED [ 0:01s ]
Testing Bf3PcieInterfaceTraffic SKIPPED [ 0:01s ]
Testing Ssd OK [ 2:00s ]
Testing SyslogErrorCheck FAILED (IGNORED) [ 0:01s ]
Testing KernLogErrorCheck FAILED (IGNORED) [ 0:01s ]
Testing DmesgLogErrorCheck OK (IGNORED) [ 0:01s ]
Testing SyslogAERCheck FAILED (IGNORED) [ 0:01s ]
Testing KernLogAERCheck FAILED (IGNORED) [ 0:01s ]
Testing DmesgLogAERCheck OK (IGNORED) [ 0:01s ]
```

Exit Code	Virtual Id	Test	Subtest	Component	
Component Id		Notes			
MODS-000000000000	inforom	inforom		GPU	
0018_01_00.0		OK			
MODS-000000000000	inforom	inforom		GPU	
0009_01_00.0		OK			
MODS-000000000000	inforom	inforom		GPU	
0019_01_00.0		OK			
MODS-000000000000	inforom	inforom		GPU	
0008_01_00.0		OK			
DGX-000000000000	Inventory	inventory		System	
NUMA_NODE0_CPU		OK			
DGX-000000000000	Inventory	inventory		System	
NUMA_NODE1_CPU		OK			
DGX-000000000000	Inventory	inventory		System	
DIMMQuantity		OK			
DGX-000000000000	Inventory	inventory		System	

```
DIMMBankQuantity                       | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
DIMMSize                               | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPUNum                                 | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
CPU_Num                                | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
CPU_Cores                              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
DIMM_0_CPULocator                      | OK
DGX-000000000105  | Inventory          | inventory       |                       | System              |
DIMM_0_TotalWidth                      | 'DIMM_0_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory          | inventory       |                       | System              |
DIMM_0_DataWidth                       | 'DIMM_0_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory          | inventory       |                       | System              |
DIMM_0_Size                            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
DIMM_1_CPULocator                      | OK
DGX-000000000105  | Inventory          | inventory       |                       | System              |
DIMM_1_TotalWidth                      | 'DIMM_1_TotalWidth': found '576' expected '540'
DGX-000000000105  | Inventory          | inventory       |                       | System              |
DIMM_1_DataWidth                       | 'DIMM_1_DataWidth': found '512' expected '480'
DGX-000000000000  | Inventory          | inventory       |                       | System              |
DIMM_1_Size                            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_RetimerCount          | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_VBIOS_version         | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_InfoROM_version       | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_VendorID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_DeviceID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_SSVendorID            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_SSDeviceID            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0018_01_00_0_PCIID                 | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_RetimerCount          | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_VBIOS_version         | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_InfoROM_version       | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_VendorID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_DeviceID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_SSVendorID            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_SSDeviceID            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0008_01_00_0_PCIID                 | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_RetimerCount          | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_VBIOS_version         | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_InfoROM_version       | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_VendorID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_DeviceID              | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_SSVendorID            | OK
DGX-000000000000  | Inventory          | inventory       |                       | System              |
GPU_0009_01_00_0_SSDeviceID            | OK
```

```
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0009_01_00_0_PCIID                        | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_RetimerCount                 | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_VBIOS_version                | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_InfoROM_version              | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_VendorID                     | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_DeviceID                     | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_SSVendorID                   | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_SSDeviceID                   | OK
DGX-000000000000  | Inventory                | inventory      |                | System          |
GPU_0019_01_00_0_PCIID                        | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0000_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_device_id | PCIE           |
0000_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0000_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_width | PCIE          |
0000_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0002_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_device_id | PCIE           |
0002_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0002_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_width | PCIE          |
0002_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0010_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_device_id | PCIE           |
0010_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0010_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_width | PCIE          |
0010_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0012_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_device_id | PCIE           |
0012_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0012_03_00.0                                  | OK
DGX-000000000000  | CxPcieProperties         | pcieproperties | check_link_width | PCIE          |
0012_03_00.0                                  | OK
DGX-000000000071  | BfPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0006_03_00.0                                  | 0006_03_00.0 - Invalid vendor_id: expected to be one of 15b3 but
found 1000
DGX-000000000072  | BfPcieProperties         | pcieproperties | check_device_id | PCIE           |
0006_03_00.0                                  | 0006_03_00.0 - Invalid device_id: expected to be one of a2dc but
found c034
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0006_03_00.0                                  | 0006_03_00.0 - Invalid Link Speed: expected ['32GT/s'] found 5GT/s
DGX-000000000000  | BfPcieProperties         | pcieproperties | check_link_width | PCIE          |
0006_03_00.0                                  | OK
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0006_03_00.1                                  | 0006_03_00.1 - Expected 1 vendor_id for 0006:03:00.1, found 0 []
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_device_id | PCIE           |
0006_03_00.1                                  | 0006_03_00.1 - Expected 1 device_id for 0006:03:00.1, found 0 []
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed | PCIE          |
0006_03_00.1                                  | 0006_03_00.1 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011  | BfPcieProperties         | pcieproperties | check_link_width | PCIE          |
0006_03_00.1                                  | 0006_03_00.1 - Invalid Link Width: expected ['x16'] found None
DGX-000000000071  | BfPcieProperties         | pcieproperties | check_vendor_id | PCIE           |
0016_03_00.0                                  | 0016_03_00.0 - Invalid vendor_id: expected to be one of 15b3 but
found 1000
```

Node	Test	Module	Check	Category	Result
DGX-000000000072 0016_03_00.0	BfPcieProperties	pcieproperties	check_device_id	PCIE	0016_03_00.0 - Invalid device_id: expected to be one of a2dc but found c034
DGX-000000000010 0016_03_00.0	BfPcieProperties	pcieproperties	check_link_speed	PCIE	0016_03_00.0 - Invalid Link Speed: expected ['32GT/s'] found 5GT/s
DGX-000000000000 0016_03_00.0	BfPcieProperties	pcieproperties	check_link_width	PCIE	OK
DGX-000000000001 0016_03_00.1	BfPcieProperties	pcieproperties	check_vendor_id	PCIE	0016_03_00.1 - Expected 1 vendor_id for 0016:03:00.1, found 0 []
DGX-000000000001 0016_03_00.1	BfPcieProperties	pcieproperties	check_device_id	PCIE	0016_03_00.1 - Expected 1 device_id for 0016:03:00.1, found 0 []
DGX-000000000010 0016_03_00.1	BfPcieProperties	pcieproperties	check_link_speed	PCIE	0016_03_00.1 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011 0016_03_00.1	BfPcieProperties	pcieproperties	check_link_width	PCIE	0016_03_00.1 - Invalid Link Width: expected ['x16'] found None
DGX-000000000001 0006_03_00.2	BfMgmtPcieProperties	pcieproperties	check_vendor_id	PCIE	0006_03_00.2 - Expected 1 vendor_id for 0006:03:00.2, found 0 []
DGX-000000000001 0006_03_00.2	BfMgmtPcieProperties	pcieproperties	check_device_id	PCIE	0006_03_00.2 - Expected 1 device_id for 0006:03:00.2, found 0 []
DGX-000000000010 0006_03_00.2	BfMgmtPcieProperties	pcieproperties	check_link_speed	PCIE	0006_03_00.2 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011 0006_03_00.2	BfMgmtPcieProperties	pcieproperties	check_link_width	PCIE	0006_03_00.2 - Invalid Link Width: expected ['x16'] found None
DGX-000000000001 0016_03_00.2	BfMgmtPcieProperties	pcieproperties	check_vendor_id	PCIE	0016_03_00.2 - Expected 1 vendor_id for 0016:03:00.2, found 0 []
DGX-000000000001 0016_03_00.2	BfMgmtPcieProperties	pcieproperties	check_device_id	PCIE	0016_03_00.2 - Expected 1 device_id for 0016:03:00.2, found 0 []
DGX-000000000010 0016_03_00.2	BfMgmtPcieProperties	pcieproperties	check_link_speed	PCIE	0016_03_00.2 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011 0016_03_00.2	BfMgmtPcieProperties	pcieproperties	check_link_width	PCIE	0016_03_00.2 - Invalid Link Width: expected ['x16'] found None
MODS-000000000000	TegraCpu	tegra_cpu		CPU	OK
DGX-000000000001	TegraMemory	tegra_memory		Memory	MODS exited with status 1
DGX-000000000001	CpuMemorySweep	tegra_memory		Memory	MODS exited with status 1
MODS-000000000000	TegraClink	tegra_clink		CPU	OK
MODS-000000000284 0018_01_00.0_SN_1654024000091	Gpustress	gpustress		GPU	unsupported system configuration
MODS-000000000284 0009_01_00.0_SN_1654024000240	Gpustress	gpustress		GPU	unsupported system configuration
MODS-000000000284 0019_01_00.0_SN_1654024000091	Gpustress	gpustress		GPU	unsupported system configuration
MODS-000000000284 0008_01_00.0_SN_1654024000240	Gpustress	gpustress		GPU	unsupported system configuration
MODS-000000000284 0018_01_00.0_SN_1654024000091	Gpumem	gpumem		GPU	unsupported system configuration
MODS-000000000284 0009_01_00.0_SN_1654024000240	Gpumem	gpumem		GPU	unsupported system configuration
MODS-000000000284 0019_01_00.0_SN_1654024000091	Gpumem	gpumem		GPU	unsupported system configuration
MODS-000000000284 0008_01_00.0_SN_1654024000240	Gpumem	gpumem		GPU	unsupported system configuration
MODS-000000000000 0018_01_00.0_SN_1654024000091	Pcie	pcie		PCIE	OK
MODS-000000000000 0009_01_00.0_SN_1654024000240	Pcie	pcie		PCIE	OK
MODS-000000000000 0019_01_00.0_SN_1654024000091	Pcie	pcie		PCIE	OK
MODS-000000000000 0008_01_00.0_SN_1654024000240	Pcie	pcie		PCIE	OK
MODS-000000000284	Connectivity	connectivity	nvlink	GPU, PCIE, Nvlink, I2C	unsupported system configuration
MODS-000000000284	Nvlink	nvlink	concurrent	NVLink	unsupported system configuration
MODS-000000000284	PowerTest	thermal		System	unsupported system configuration
DGX-000000000000	CxeyegradeStart	cxeyegrade		ConnectX, NVSwitch	CxeyegradeStart skipped due to skip_test=true in test spec

```
DGX-000000000000 | IbStressBf3PhyLoopback  | ibstress       |                        | Infiniband
|                                            | IbStressBf3PhyLoopback skipped due to skip_test=true in test spec
DGX-000000000000 | IbStressBf3Loopout      | ibstress       |                        | Infiniband
|                                            | IbStressBf3Loopout skipped due to skip_test=true in test spec
DGX-000000000000 | IbStressCx7PhyLoopback  | ibstress       |                        | Infiniband
|                                            | IbStressCx7PhyLoopback skipped due to skip_test=true in test spec
DGX-000000000000 | IbStressLoopout400G_8X  | ibstress       |                        | Infiniband
|                                            | IbStressLoopout400G_8X skipped due to skip_test=true in test spec
DGX-000000000000 | IbStressLoopout400G_4X  | ibstress       |                        | Infiniband
|                                            | IbStressLoopout400G_4X skipped due to skip_test=true in test spec
DGX-000000000000 | CxeyegradeStop          | cxeyegrade     |                        | ConnectX, NVSwitch
|                                            | CxeyegradeStop skipped due to skip_test=true in test spec
DGX-000000000000 | IbStressCables          | ibstress       |                        | Infiniband
|                                            | IbStressCables skipped due to skip_test=true in test spec
DGX-000000000000 | Bf3PcieInterfaceTraffic | dpudiag        |                        | DPU
|                                            | Bf3PcieInterfaceTraffic skipped due to skip_test=true in test spec
DGX-000000000000 | Ssd                     | ssd            |                        | ssd            | NVME
0006:07:00.0 (PCI Id: 0006:07:00.0) | OK
DGX-000000000008 | SyslogErrorCheck        | chkoccurrences |                        | System
|                                            | File not found at /var/log/syslog.Check "logfilepath" in testargs
DGX-000000000000 | SyslogErrorCheck        | chkoccurrences |                        | System
|                                            | SyslogErrorCheck results ignored. Pass on fail is true
DGX-000000000008 | KernLogErrorCheck       | chkoccurrences |                        | System
|                                            | File not found at /var/log/kern.log.Check "logfilepath" in testargs
DGX-000000000000 | KernLogErrorCheck       | chkoccurrences |                        | System
|                                            | KernLogErrorCheck results ignored. Pass on fail is true
DGX-000000000000 | DmesgLogErrorCheck      | chkoccurrences |                        | System
|                                            | OK - Found 69 matches of regex "(?i).*error.*" in dmesg command
output. No fail threshold set.
DGX-000000000000 | DmesgLogErrorCheck      | chkoccurrences |                        | System
|                                            | DmesgLogErrorCheck results ignored. Pass on fail is true
DGX-000000000008 | SyslogAERCheck          | chkoccurrences |                        | System
|                                            | File not found at /var/log/syslog.Check "logfilepath" in testargs
DGX-000000000000 | SyslogAERCheck          | chkoccurrences |                        | System
|                                            | SyslogAERCheck results ignored. Pass on fail is true
DGX-000000000008 | KernLogAERCheck         | chkoccurrences |                        | System
|                                            | File not found at /var/log/kern.log.Check "logfilepath" in testargs
DGX-000000000000 | KernLogAERCheck         | chkoccurrences |                        | System
|                                            | KernLogAERCheck results ignored. Pass on fail is true
DGX-000000000000 | DmesgLogAERCheck        | chkoccurrences |                        | System
|                                            | OK - Found 14 matches of regex "(?i).*AER.*" in dmesg command
output. No fail threshold set.
DGX-000000000000 | DmesgLogAERCheck        | chkoccurrences |                        | System
|                                            | DmesgLogAERCheck results ignored. Pass on fail is true


#######     ####    ########  ###
#######    ######   ########  ###
##         ##   ##     ##     ###
##         ##   ##     ##     ###
#######    ########    ##     ###
#######    ########    ##     ###
##         ##   ##     ##     ###
##         ##   ##  ########  ########
##         ##   ##  ########  ########

Final Result: FAIL
End time: Wed, 12 Mar 2025 01:10:46 [ 25:16s elapsed ]
Copying logs...
```

DCGMI - Level 1 - Burninator Live Image

```
dcgmi diag -j -r 1
{
        "DCGM Diagnostic" :
        {
```

```
                    "test_categories" :
                    [
                            {
                                    "category" : "Deployment",
                                    "tests" :
                                    [
                                            {
                                                    "name" : "software",
                                                    "results" :
                                                    [
                                                            {
                                                                    "entity_group" : "GPU",
                                                                    "entity_group_id" : 1,
                                                                    "entity_id" : 0,
                                                                    "status" : "Fail"
                                                            },
                                                            {
                                                                    "entity_group" : "GPU",
                                                                    "entity_group_id" : 1,
                                                                    "entity_id" : 1,
                                                                    "status" : "Fail"
                                                            },
                                                            {
                                                                    "entity_group" : "GPU",
                                                                    "entity_group_id" : 1,
                                                                    "entity_id" : 2,
                                                                    "status" : "Fail"
                                                            },
                                                            {
                                                                    "entity_group" : "GPU",
                                                                    "entity_group_id" : 1,
                                                                    "entity_id" : 3,
                                                                    "status" : "Fail"
                                                            }
                                                    ],
                                                    "test_summary" :
                                                    {
                                                            "status" : "Fail",
                                                            "warnings" :
                                                            [
                                                                    {
                                                                            "error_category" : 6,
                                                                            "error_id" : 112,
                                                                            "error_severity" : 5,
                                                                            "warning" : "Fabric Manager: Fabric
Manager (Cluster UUID: 00000000-0000-0000-0000-000000000000, Clique ID: 0): Training completed with an error:
Feature not supported. Ensure that the FabricManager is running without errors."
                                                                    }
                                                            ]
                                                    }
                                            }
                                    ]
                            }
                    ]
            },
            "entity_groups" :
            [
                    {
                            "entities" :
                            [
                                    {
                                            "device_id" : "2941",
                                            "entity_id" : 0,
                                            "serial_num" : "1654024000240"
                                    },
                                    {
                                            "device_id" : "2941",
                                            "entity_id" : 1,
                                            "serial_num" : "1654024000240"
                                    },
                                    {
```

```
                                    "device_id" : "2941",
                                    "entity_id" : 2,
                                    "serial_num" : "1654024000091"
                            },
                            {
                                    "device_id" : "2941",
                                    "entity_id" : 3,
                                    "serial_num" : "1654024000091"
                            }
                    ],
                    "entity_group" : "GPU",
                    "entity_group_id" : 1
            },
            {
                    "entities" :
                    [
                            {
                                    "device_id" : "",
                                    "entity_id" : 0,
                                    "serial_num" : "0x00000001780D01011000000004FF0140"
                            },
                            {
                                    "device_id" : "",
                                    "entity_id" : 1,
                                    "serial_num" : "0x00000001780CF0002400000005010080"
                            }
                    ],
                    "entity_group" : "CPU",
                    "entity_group_id" : 7
            }
    ],
    "metadata" :
    {
            "Driver Version Detected" : "570.120",
            "version" : "4.0.0"
    }
}
```

Test	Outcome	Notes
Inventory	FAILED ```DGX-000000000105	Inventory	inventory
System	DIMM_0_TotalWidth	'DIMM_0_TotalWidth': found '576' expected '540' DGX-000000000105	Inventory	inventory
System	DIMM_0_DataWidth	'DIMM_0_DataWidth': found '512' expected '480' DGX-000000000000	Inventory	inventory
System	DIMM_0_Size	OK DGX-000000000000	Inventory	inventory
System	DIMM_1_CPULocator	OK DGX-000000000105	Inventory	inventory
System	DIMM_1_TotalWidth	'DIMM_1_TotalWidth': found '576' expected '540' DGX-000000000105	Inventory	inventory
System	DIMM_1_DataWidth	'DIMM_1_DataWidth': found '512' expected '480'```	Know error, CPV team has a bug reported against nvidia ref: https://dyn.slack.com/archives/C07ED5GMBAS/p1741724137690779
Tegra Cpu	OK	

Tegra Memory	FAILED	Know error, CPV team has a bug reported against nvidia
| | ```
Traceback (most recent call last):
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_tegra_common.py", line 213, in RunFieldDiag
    core.dgx_common.FailTest("MODS exited with status {}".format(status),
mods)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_common.py", line 179, in FailTest
    raise FailException(message, mods)
core.dgx_common.FailException: ('MODS exited with status 1', 'mods')
Traceback (most recent call last):
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_common.py", line 1867, in RunTest
    status = test.Run()
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/tests/tegra/dgx_tegra_memory.py", line 366, in Run
    return self.RunTegraMemoryTest()
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/tests/tegra/dgx_tegra_memory.py", line 353, in RunTegraMemoryTest
    core.dgx_tegra_common.RunFieldDiag(args,
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_tegra_common.py", line 220, in RunFieldDiag
    raise e
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_tegra_common.py", line 213, in RunFieldDiag
    core.dgx_common.FailTest("MODS exited with status {}".format(status),
mods)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_common.py", line 179, in FailTest
    raise FailException(message, mods)
core.dgx_common.FailException: ('MODS exited with status 1', 'mods')
Worst case timeout for tegra_memory = 1280 seconds
$ /home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/mods.500
/fieldiag -prod GB200-NVL 2:4 board PC -test 6 -loop 1


MODS start: Tue Mar 11 20:06:39 2025

Begin loop 1:
        Running test [MemTest1]


Test Summary :
  LOOP   NUM       TEST           TIME        MESSAGE
  ----   -----  ---------------  ----------  ------------------------
   1     6      MemTest1          0.022      Test Failed


MemTest1 pass rate is: 0.000000%


MODS end  : Tue Mar 11 20:06:39 2025  [0.771 seconds (00:00:00.771 h:m:s)]
[2025-03-11 20:06:39.143864] ('Timeout Handler logs:',)
[2025-03-11 20:06:39.143945] ('[2025-03-11 20:06:39.143938] Initial timeout
duration configured = 640000 ms',)
``` | |
| CpuMemorySweep | SKIPPED | Skipped due to failed Tegra? |
| Tegra Clink | OK | |

Gpust ress	OK	
Gpumem	OK	
Pcie	OK	
C2C	FAILED	probably related to network (cx-7 involved)

```
Traceback (most recent call last):
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_common.py", line 1867, in RunTest
    status = test.Run()
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/tests/io/dgx_c2c.py", line 205, in Run
    core.dgx_fielddiag_common.RunConcurrentFieldDiag( (test_spec,
"append_log"), mods_type)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 286, in RunConcurrentFieldDiag
    RunFieldDiag(args, mods_type, pci_ids, is_concurrent = True,
log_mods_status = log_mods_status, test_subtest = test_subtest, branch =
branch, branch_as_path = branch_as_path)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 256, in RunFieldDiag
    core.dgx_common.FailTest("Fieldiag exited with status {}".format
(status), mods_type)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42127/dgx/tests/scripts
/core/dgx_common.py", line 179, in FailTest
    raise FailException(message, mods)
core.dgx_common.FailException: ('Fieldiag exited with status 1',
<ModsFieldType.ONEDIAG: 0>)


DiagType: field
MODS start: Tue Mar 11 20:48:02 2025
Version
MODS           : 629.570.166
MLE Mode       : 1

System
OperatingSystem: Linux (aarch64)
Kernel         : 6.8.0-1022-nvidia-64k
KernelDriver   : 4.29
SBIOS Version  : O72OR12A
SBIOS Date     : 01/09/2025


              0008_01_00.0_SN_1654024000240  dev.sub 0.00009_01_00.
0_SN_1654024000240  dev.sub 1.00018_01_00.0_SN_1654024000091  dev.sub 2.00019
_01_00.0_SN_1654024000091  dev.sub 3.0
              --------------------------------------
--------------------------------------
--------------------------------------
--------------------------------------
DevInst        : 0
1
2
3
PCI Location   : 0x08, 0x01, 0x00, 0x00                 0x09, 0x01, 0x00,
0x00                 0x18, 0x01, 0x00, 0x00                 0x19, 0x01,
0x00, 0x00
GPU DID        : 0x2941
0x2941
0x2941
0x2941

Error Code = 000000000284 (unsupported system configuration)

 #######    ####    ########  ###
 #######   ######   ########  ###
 ##       ##  ##       ##      ###
 ##       ##  ##       ##      ###
 #######  ########     ##      ###
 #######  ########     ##      ###
 ##       ##  ##       ##      ###
 ##       ##  ##   ########  ########
 ##       ##  ##   ########  ########

MODS end  : Tue Mar 11 20:56:10 2025  [488.360 seconds (00:08:08.360 h:m:s)]
```

CPUVD D_Pow erStr ess	OK	
CpuGp uCons tPower	FAILED ``` DiagType: field MODS start: Tue Mar 11 21:42:23 2025 Version MODS : 629.570.213 MLE Mode : 1 System OperatingSystem: Linux (aarch64) Kernel : 6.8.0-1022-nvidia-64k KernelDriver : 4.29 SBIOS Version : O72OR12A SBIOS Date : 01/09/2025 0008_01_00.0_SN_1654024000240 dev.sub 0.00009_01_00. 0_SN_1654024000240 dev.sub 1.00018_01_00.0_SN_1654024000091 dev.sub 2.00019 _01_00.0_SN_1654024000091 dev.sub 3.0 -------------------------------------- -------------------------------------- -------------------------------------- -------------------------------------- DevInst : 0 1 2 3 PCI Location : 0x08, 0x01, 0x00, 0x00 0x09, 0x01, 0x00, 0x00 0x18, 0x01, 0x00, 0x00 0x19, 0x01, 0x00, 0x00 GPU DID : 0x2941 0x2941 0x2941 0x2941 Error Code = 000000000284 (unsupported system configuration) ####### #### ######## ### ####### ###### ######## ### ## ## ## ## ### ## ## ## ## ### ####### ######## ## ### ####### ######## ## ### ## ## ## ## ### ## ## ## ######## ######## ## ## ## ######## ######## MODS end : Tue Mar 11 21:43:32 2025 [69.509 seconds (00:01:09.509 h:m:s)] ```	
Conne ctivi ty	FAILED	CX7 on this server is misconfigured. Anything related to NVlink or NVSwitch can be caused by that.

```
Traceback (most recent call last):
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_common.py", line 1882, in RunTest
    status = test.Run()
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/tests/io/dgx_connectivity.py", line 936, in Run
    run_func(subtest_func + subtest_mods_args, mods_type = core.
dgx_fielddiag_common.ModsFieldType.ONEDIAG, test_subtest = (name, subtest))
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 292, in RunConcurrentFieldDiag
    RunFieldDiag(args, mods_type, pci_ids, is_concurrent = True,
log_mods_status = log_mods_status, test_subtest = test_subtest, branch =
branch, branch_as_path = branch_as_path)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 262, in RunFieldDiag
    core.dgx_common.FailTest("Fieldiag exited with status {}".format
(status), mods_type)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_common.py", line 186, in FailTest
    raise FailException(message, mods)
core.dgx_common.FailException: ('Fieldiag exited with status 1',
<ModsFieldType.ONEDIAG: 0>)


DiagType: field
MODS start: Tue Mar 11 21:43:32 2025
Version
MODS          : 629.570.213
MLE Mode      : 1

System
OperatingSystem: Linux (aarch64)
Kernel        : 6.8.0-1022-nvidia-64k
KernelDriver  : 4.29
SBIOS Version : O72OR12A
SBIOS Date    : 01/09/2025


              0008_01_00.0_SN_1654024000240  dev.sub 0.00009_01_00.
0_SN_1654024000240  dev.sub 1.00018_01_00.0_SN_1654024000091  dev.sub 2.00019
_01_00.0_SN_1654024000091  dev.sub 3.0
              --------------------------------------
--------------------------------------
--------------------------------------
--------------------------------------
DevInst       : 0
1
2
3
PCI Location  : 0x08, 0x01, 0x00, 0x00                    0x09, 0x01, 0x00,
0x00                  0x18, 0x01, 0x00, 0x00                    0x19, 0x01,
0x00, 0x00
GPU DID       : 0x2941
0x2941
0x2941
0x2941

Error Code = 000000000284 (unsupported system configuration)

 #######     ####    ########  ###
 #######    ######   ########  ###
 ##        ##   ##      ##      ###
 ##        ##   ##      ##      ###
 #######   ########     ##      ###
 #######   ########     ##      ###
 ##        ##   ##      ##      ###
 ##        ##   ##  ########  ########
 ##        ##   ##  ########  ########

MODS end  : Tue Mar 11 21:44:41 2025  [69.750 seconds (00:01:09.750 h:m:s)]
```

Nvlink	FAILED	CX7 on this server is misconfigured. Anything related to NVlink or NVSwitch can be caused by that.

```
Traceback (most recent call last):
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_common.py", line 1882, in RunTest
    status = test.Run()
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/tests/io/dgx_nvlink.py", line 160, in Run
    core.dgx_fielddiag_common.RunConcurrentFieldDiag(subtest_func +
subtest_args, mods_type = core.dgx_fielddiag_common.ModsFieldType.ONEDIAG,
test_subtest = (self.name, subtest))
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 292, in RunConcurrentFieldDiag
    RunFieldDiag(args, mods_type, pci_ids, is_concurrent = True,
log_mods_status = log_mods_status, test_subtest = test_subtest, branch =
branch, branch_as_path = branch_as_path)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_fielddiag_common.py", line 262, in RunFieldDiag
    core.dgx_common.FailTest("Fieldiag exited with status {}".format
(status), mods_type)
  File "/home/ubuntu/nvidia_tools/629-24975-0000-FLD-42402/dgx/tests/scripts
/core/dgx_common.py", line 186, in FailTest
    raise FailException(message, mods)
core.dgx_common.FailException: ('Fieldiag exited with status 1',
<ModsFieldType.ONEDIAG: 0>)



DiagType: field
MODS start: Tue Mar 11 21:44:42 2025
Version
MODS            : 629.570.213
MLE Mode        : 1

System
OperatingSystem: Linux (aarch64)
Kernel          : 6.8.0-1022-nvidia-64k
KernelDriver    : 4.29
SBIOS Version   : O72OR12A
SBIOS Date      : 01/09/2025


                0008_01_00.0_SN_1654024000240  dev.sub 0.00009_01_00.
0_SN_1654024000240  dev.sub 1.00018_01_00.0_SN_1654024000091  dev.sub 2.00019
_01_00.0_SN_1654024000091  dev.sub 3.0
                --------------------------------------
----------------------------------------
----------------------------------------
----------------------------------------
DevInst        : 0
1
2
3
PCI Location   : 0x08, 0x01, 0x00, 0x00                    0x09, 0x01, 0x00,
0x00                    0x18, 0x01, 0x00, 0x00                    0x19, 0x01,
0x00, 0x00
GPU DID        : 0x2941
0x2941
0x2941
0x2941

Error Code = 000000000284 (unsupported system configuration)

   #######      ####    ########  ###
   #######     ######   ########  ###
   ##        ##    ##      ##      ###
   ##        ##    ##      ##      ###
   #######   ########      ##      ###
   #######   ########      ##      ###
```

```
    ##          ##     ##     ##      ###
    ##          ##     ##   ########  ########
    ##          ##     ##   ########  ########

    MODS end   : Tue Mar 11 21:45:51 2025  [69.047 seconds (00:01:09.047 h:m:s)]
```

DimmS tress	OK	

| | Manufacturing test (--mfg) | |

| Ssd | After installation of tools/package it was successful

OK

Failed on First Attempt

`sudo ./partnerdiag --mfg --test=Ssd --run_on_error --no_bmc`
`Removing Nvidia drivers and services...`
`Installing MODS driver...`
`Starting OneDiag...`
`ERROR: Test ssd requires following tools installed: fio, iostat`
`ERROR: Test ssd requires following packages installed: libaio*`
`Copying logs...` | |

| BfPci<br>eProp<br>erties | ```
DGX-000000000071  | BfPcieProperties         | pcieproperties | check_vendor_id
| PCIE              | 0006_03_00.0            |
0006_03_00.0 - Invalid vendor_id: expected to be one of 15b3 but found 1000
DGX-000000000072  | BfPcieProperties         | pcieproperties | check_device_id
| PCIE              | 0006_03_00.0            |
0006_03_00.0 - Invalid device_id: expected to be one of a2dc but found c034
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed
| PCIE              | 0006_03_00.0            |
0006_03_00.0 - Invalid Link Speed: expected ['32GT/s'] found 5GT/s
DGX-000000000000  | BfPcieProperties         | pcieproperties | check_link_width
| PCIE              | 0006_03_00.0            |            OK
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_vendor_id
| PCIE              | 0006_03_00.1            |
0006_03_00.1 - Expected 1 vendor_id for 0006:03:00.1, found 0 []
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_device_id
| PCIE              | 0006_03_00.1            |
0006_03_00.1 - Expected 1 device_id for 0006:03:00.1, found 0 []
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed
| PCIE              | 0006_03_00.1            |
0006_03_00.1 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011  | BfPcieProperties         | pcieproperties | check_link_width
| PCIE              | 0006_03_00.1            |
0006_03_00.1 - Invalid Link Width: expected ['x16'] found None
DGX-000000000071  | BfPcieProperties         | pcieproperties | check_vendor_id
| PCIE              | 0016_03_00.0            |
0016_03_00.0 - Invalid vendor_id: expected to be one of 15b3 but found 1000
DGX-000000000072  | BfPcieProperties         | pcieproperties | check_device_id
| PCIE              | 0016_03_00.0            |
0016_03_00.0 - Invalid device_id: expected to be one of a2dc but found c034
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed
| PCIE              | 0016_03_00.0            |
0016_03_00.0 - Invalid Link Speed: expected ['32GT/s'] found 5GT/s
DGX-000000000000  | BfPcieProperties         | pcieproperties | check_link_width
| PCIE              | 0016_03_00.0            |            OK
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_vendor_id
| PCIE              | 0016_03_00.1            |
0016_03_00.1 - Expected 1 vendor_id for 0016:03:00.1, found 0 []
DGX-000000000001  | BfPcieProperties         | pcieproperties | check_device_id
| PCIE              | 0016_03_00.1            |
0016_03_00.1 - Expected 1 device_id for 0016:03:00.1, found 0 []
DGX-000000000010  | BfPcieProperties         | pcieproperties | check_link_speed
| PCIE              | 0016_03_00.1            |
0016_03_00.1 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011  | BfPcieProperties         | pcieproperties | check_link_width
| PCIE              | 0016_03_00.1            |
0016_03_00.1 - Invalid Link Width: expected ['x16'] found None
``` | probably due to CX7 on this server is misconfigured |
| BfMgm<br>tPcie<br>Prope<br>rties | ```
DGX-000000000001  | BfMgmtPcieProperties     | pcieproperties | check_vendor_id
| PCIE              | 0006_03_00.2            |
0006_03_00.2 - Expected 1 vendor_id for 0006:03:00.2, found 0 []
DGX-000000000001  | BfMgmtPcieProperties     | pcieproperties | check_device_id
| PCIE              | 0006_03_00.2            |
0006_03_00.2 - Expected 1 device_id for 0006:03:00.2, found 0 []
DGX-000000000010  | BfMgmtPcieProperties     | pcieproperties | check_link_speed
| PCIE              | 0006_03_00.2            |
0006_03_00.2 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011  | BfMgmtPcieProperties     | pcieproperties | check_link_width
| PCIE              | 0006_03_00.2            |
0006_03_00.2 - Invalid Link Width: expected ['x16'] found None
DGX-000000000001  | BfMgmtPcieProperties     | pcieproperties | check_vendor_id
| PCIE              | 0016_03_00.2            |
0016_03_00.2 - Expected 1 vendor_id for 0016:03:00.2, found 0 []
DGX-000000000001  | BfMgmtPcieProperties     | pcieproperties | check_device_id
| PCIE              | 0016_03_00.2            |
0016_03_00.2 - Expected 1 device_id for 0016:03:00.2, found 0 []
DGX-000000000010  | BfMgmtPcieProperties     | pcieproperties | check_link_speed
| PCIE              | 0016_03_00.2            |
0016_03_00.2 - Invalid Link Speed: expected ['32GT/s'] found None
DGX-000000000011  | BfMgmtPcieProperties     | pcieproperties | check_link_width
| PCIE              | 0016_03_00.2            |
0016_03_00.2 - Invalid Link Width: expected ['x16'] found None
``` | probably due to CX7 on this server is misconfigured |

ibstr ess	DGX-000000000000 | CxeyegradeStart | cxeyegrade | | ConnectX, NVSwitch | | CxeyegradeStart skipped due to skip_test=true in test spec DGX-000000000000 | IbStressBf3PhyLoopback | ibstress | | Infiniband | | IbStressBf3PhyLoopback skipped due to skip_test=true in test spec DGX-000000000000 | IbStressBf3Loopout | ibstress | | Infiniband | | IbStressBf3Loopout skipped due to skip_test=true in test spec DGX-000000000000 | IbStressCx7PhyLoopback | ibstress | | Infiniband | | IbStressCx7PhyLoopback skipped due to skip_test=true in test spec DGX-000000000000 | IbStressLoopout400G_8X | ibstress | | Infiniband | | IbStressLoopout400G_8X skipped due to skip_test=true in test spec DGX-000000000000 | IbStressLoopout400G_4X | ibstress | | Infiniband | | IbStressLoopout400G_4X skipped due to skip_test=true in test spec DGX-000000000000 | CxeyegradeStop | cxeyegrade | | ConnectX, NVSwitch | | CxeyegradeStop skipped due to skip_test=true in test spec DGX-000000000000 | IbStressCables | ibstress | | Infiniband | | IbStressCables skipped due to skip_test=true in test spec DGX-000000000000 | Bf3PcieInterfaceTraffic | dpudiag | | DPU | | Bf3PcieInterfaceTraffic skipped due to skip_test=true in test spec	probably due to CX7 on this server is misconfigured
Syslog ErrorC heck KernLo gError Check Dmesg LogErr orCheck Syslog AERC heck KernLo gAER Check Dmesg LogAE RCheck	DGX-000000000008 | SyslogErrorCheck | chkoccurrences | | System | | File not found at /var/log/syslog.Check "logfilepath" in testargs DGX-000000000000 | SyslogErrorCheck | chkoccurrences | | System | | SyslogErrorCheck results ignored. Pass on fail is true DGX-000000000008 | KernLogErrorCheck | chkoccurrences | | System | | File not found at /var/log/kern.log.Check "logfilepath" in testargs DGX-000000000000 | KernLogErrorCheck | chkoccurrences | | System | | KernLogErrorCheck results ignored. Pass on fail is true DGX-000000000000 | DmesgLogErrorCheck | chkoccurrences | | System | | OK - Found 69 matches of regex "(?i).*error.*" in dmesg command output. No fail threshold set. DGX-000000000000 | DmesgLogErrorCheck | chkoccurrences | | System | | DmesgLogErrorCheck results ignored. Pass on fail is true DGX-000000000008 | SyslogAERCheck | chkoccurrences | | System | | File not found at /var/log/syslog.Check "logfilepath" in testargs DGX-000000000000 | SyslogAERCheck | chkoccurrences | | System | | SyslogAERCheck results ignored. Pass on fail is true DGX-000000000008 | KernLogAERCheck | chkoccurrences | | System | | File not found at /var/log/kern.log.Check "logfilepath" in testargs DGX-000000000000 | KernLogAERCheck | chkoccurrences | | System | | KernLogAERCheck results ignored. Pass on fail is true DGX-000000000000 | DmesgLogAERCheck | chkoccurrences | | System | | OK - Found 14 matches of regex "(?i).*AER.*" in dmesg command output. No fail threshold set. DGX-000000000000 | DmesgLogAERCheck | chkoccurrences | | System | | DmesgLogAERCheck results ignored. Pass on fail is true	need to check the logs

```
sudo ./partnerdiag --field --level1 --run_on_error --no_bmc
Removing Nvidia drivers and services...
Installing MODS driver...
Starting OneDiag...
*********************************************************************
*                                                                   *
*                        DGX FIELD DIAGNOSTIC                       *
*                                                                   *
*********************************************************************


Version                 24975-0000-FLD-42402
Base diag               r8.287
Python                  /home/ubuntu/nvidia_tools/partner_diag/629-24975-0000-FLD-42402/dgx/python/python-
3.10.7-glibc-2.17-aarch64/bin/python3
Build Date              Thu, 20 Feb 2025
Start time              Mon, 10 Mar 2025 22:34:04
Est. Completion time    Tue, 11 Mar 2025 12:33:04
Logs                    /home/ubuntu/nvidia_tools/partner_diag/629-24975-0000-FLD-42402/dgx/logs-20250310-
223228
Inforom logs            /home/ubuntu/nvidia_tools/partner_diag/629-24975-0000-FLD-42402/dgx/logs-20250310-
223228/inforom
Product                 ORACLE SERVER GB200
Product Version         MB-QS1
Family                  HGX
SKU
Serial Number           2446XKU51W

Dumping inforom OK [ 1:08s ]
Testing Inventory FAILED [ 1:11s ]
Testing TegraCpu OK [ 5:03s ]
Testing TegraMemory FAILED [ 0:02s ]
Testing CpuMemorySweep FAILED [ 0:05s ]
Testing TegraClink FAILED [ 10:08s ]
Testing Gpustress FAILED [ 0:43s ]
Testing Gpumem FAILED [ 0:43s ]
Testing Pcie \...
```

Failures:

Inventory Failures were due missing tools such as ibstat, ibv_devinfo

TegraMemory and other failures were due to missing BIOS MODS Partition