



DOCA DPA PS Tool

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Introduction

DOCA `dpa-ps` is a CLI tool which allows users to monitor running DPA processes and threads. The tool presents sorted lists of the currently running DPA processes and threads.

Info

The process ID output of the `dpa-ps` tool may be used as the input parameter for the `dpa-statistics` tool.

Info

This tool is supported for NVIDIA® BlueField®-3 only.

Command Flags and Arguments

The following table lists the flags for the `dpa-ps` tool .

| Short Option | Long Option | Description |
|-----------------|-------------------------------------|--------------------------------------|
| <code>-h</code> | <code>--help</code> | Help information |
| <code>-d</code> | <code>--device</code> | Device interface name (MST/RDMA) |
| <code>-p</code> | <code>--process-id</code> | Hexadecimal process ID for filtering |
| <code>-t</code> | <code>--threads</code> | Show threads info for each process |
| <code>-i</code> | <code>--suppress-header-info</code> | Suppress print header info |

Info

Arguments for the flags must be used within quotes (if more than one) and without extra spaces.

Example

```
$ sudo ./dpa-ps -d mlx5_0 -t
ProcessID      Process Name
  ThreadID      Thread Name
0              PROCESS_0
  5              EH_0_5_5
  6              EH_0_5_5
1              PROCESS_1
  3              EH_1_3_3
  4              EH_1_4_4
2              PROCESS_2
3              PROCESS_3
  0              EH_3_0_0
  1              EH_3_1_1
  2              EH_3_2_2
4              PROCESS_4
```

Known Limitations

- The `dpa-ps` and `dpa-statistics` tools cannot be run at the same time on the same device

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