Appendix – SM Activity Report

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SM can produce an activity report in a form of a dump file that details the different activities done in the SM. Activities are divided into subjects. The table below specifies the different activities currently supported in the SM activity report.

Reporting of each subject can be enabled individually using the configuration parameter activity_report_subjects:

- Valid values:
  Comma-separated list of subjects to dump. The current supported subjects are:

  -
      - "mc" – activity IDs 1, 2 and 8

      - "prtn" – activity IDs 3, 4, and 5

      - "virt" – activity IDs 6 and 7

      - "routing" – activity IDs 8-12

    Two predefined values can be configured as well:

      - "all" – dump all subjects

      - "none" – disable the feature by dumping none of the subjects

      - Default value: "none"

SM Supported Activities

Activity ID	Activity Name	Additional Fields	Comments	Description
1	mcm_member	- MLid - MGid - Port Guid - Join State	Join state: 1 - Join -1 - Leave	Member joined/left MC group
2	mcg_change	- MLid - MGid - Change	Change: 0 - Create 1 - Delete	MC group created/deleted

Activity ID	Activity Name	Additional Fields	Comments	Description
3	prtn_guid_add	- Port Guid - PKey - Block index - Pkey Index		Guid added to partition
4	prtn_create	-PKey - Prtn Name		Partition created
5	prtn_delete	- PKey - Delete Reason	Delete Reason: 0 - empty prtn 1 - duplicate prtn 2 - sm shutdown	Partition deleted
6	port_virt_discover	- Port Guid - Top Index		Port virtualization discovered
7	vport_state_change	- Port Guid - VPort Guid - VPort Index - VNode Guid - VPort State	VPort State: 1 - Down 2 - Init 3 - ARMED 4 - Active	Vport state changed
8	mcg_tree_calc	- mlid		MCast group tree calculated
9	routing_succeed	routing engine name		Routing done successfully
10	routing_failed	routing engine name		Routing failed
11	ucast_cache_invalidated			ucast cache invalidated
12	ucast_cache_routing_done			ucast cache routing done