

Trace analysis: ipmi-oem -h ****-bmc -u **** -p **** intelm get-node-manager-statistics --debug

Correct Case – Send Message Response then OEM Intelm Get Node Manager Statistics Response

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****-bmc: =====
****-bmc: IPMI 1.5 Send Message Response
****-bmc: =====
****-bmc: RMCP Header: / IPMI Session Header: ...
****-bmc: IPMI Message Header:
****-bmc: -----
****-bmc: [          81h] = rq_addr[ 8b]
****-bmc: [          0h] = rq_lun[ 2b]
****-bmc: [          7h] = net_fn[ 6b]
****-bmc: [         63h] = checksum1[ 8b]
****-bmc: [         20h] = rs_addr[ 8b]
****-bmc: [          0h] = rs_lun[ 2b]
****-bmc: [          Bh] = rq_seq[ 6b]
****-bmc: IPMI Command Data:
****-bmc: -----
****-bmc: [          34h] = cmd[ 8b]
****-bmc: [          0h] = comp_code[ 8b]
****-bmc: IPMI Trailer: ...
****-bmc: =====
****-bmc: IPMI 1.5 OEM Group - Unknown Response
****-bmc: =====
****-bmc: RMCP Header: / IPMI Session Header: ...
****-bmc: IPMI Message Header:
****-bmc: -----
****-bmc: [         20h] = rq_addr[ 8b]
****-bmc: [          2h] = rq_lun[ 2b]
****-bmc: [         2Fh] = net_fn[ 6b]
****-bmc: [         22h] = checksum1[ 8b]
****-bmc: [         2Ch] = rs_addr[ 8b]
****-bmc: [          0h] = rs_lun[ 2b]
****-bmc: [          Bh] = rq_seq[ 6b]
****-bmc: IPMI Command Data:
****-bmc: -----
****-bmc: [          C8h] = cmd[ 8b]
****-bmc: [          0h] = comp_code[ 8b]
****-bmc: [        157h] = manufacturer_id[24b]
****-bmc: [        243h] = current[16b]
****-bmc: [          1h] = minimum[16b]
****-bmc: [        3D4h] = maximum[16b]
****-bmc: [        111h] = average[16b]
****-bmc: [        5C3C9E3Fh] = timestamp[32b]
****-bmc: [        225747h] = statistics_reporting_period[32b]
****-bmc: [          0h] = domain_id[ 4b]
****-bmc: [          1h] = policy_global_administrative_state[ 1b]
****-bmc: [          0h] = policy_operational_state[ 1b]
****-bmc: [          1h] = measurements_state[ 1b]
****-bmc: [          0h] = policy_activation_state[ 1b]
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Error Case – OEM Intelm Get Node Manager Statistics Response then Send Message Response

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****-bmc: =====
****-bmc: IPMI 1.5 Send Message Response
****-bmc: =====
****-bmc: RMCP Header: / IPMI Session Header: ...
****-bmc: IPMI Message Header:
****-bmc: -----
****-bmc: [         20h] = rq_addr[ 8b]
****-bmc: [          2h] = rq_lun[ 2b]
****-bmc: [         2Fh] = net_fn[ 6b]
****-bmc: [         22h] = checksum1[ 8b]
****-bmc: [         2Ch] = rs_addr[ 8b]
****-bmc: [          0h] = rs_lun[ 2b]
****-bmc: [         2Eh] = rq_seq[ 6b]
****-bmc: IPMI Command Data:
****-bmc: -----
****-bmc: [          C8h] = cmd[ 8b]
****-bmc: [          0h] = comp_code[ 8b]
****-bmc: [  BYTE ARRAY ... ] = response_data[20B]
****-bmc: [ 57h 01h 00h 2Dh 02h 01h 00h D4h ]
****-bmc: [ 03h 11h 01h 62h 9Eh 3Ch 5Ch 6Ah ]
****-bmc: [ 57h 22h 00h 50h ]
****-bmc: IPMI Trailer: ...
****-bmc: =====
****-bmc: IPMI 1.5 OEM Group - Unknown Response
****-bmc: =====
****-bmc: RMCP Header: / IPMI Session Header: ...
****-bmc: IPMI Message Header:
****-bmc: -----
****-bmc: [          81h] = rq_addr[ 8b]
****-bmc: [          0h] = rq_lun[ 2b]
****-bmc: [          7h] = net_fn[ 6b]
****-bmc: [         63h] = checksum1[ 8b]
****-bmc: [         20h] = rs_addr[ 8b]
****-bmc: [          0h] = rs_lun[ 2b]
****-bmc: [         2Eh] = rq_seq[ 6b]
****-bmc: IPMI Command Data:
****-bmc: -----
****-bmc: [          34h] = cmd[ 8b]
****-bmc: [          0h] = comp_code[ 8b]
****-bmc: IPMI Trailer: ...
ipmi_cmd_oem_intel_node_manager_get_node_manager_statistics: internal IPMI error
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For better visibility I dropped RMCP Header, IPMI Session Header and IPMI trailer data from the trace.