

Normal Case

```
****500-bmc: =====
****500-bmc: IPMI 1.5 Send Message Request
****500-bmc: =====
****500-bmc: RMCP Header:
****500-bmc: [-----]
****500-bmc: [ 6h] = version[ 8b]
****500-bmc: [ 0h] = reserved[ 8b]
****500-bmc: [ FFh] = sequence_number[ 8b]
****500-bmc: [ 7h] = message_class.class[ 5b]
****500-bmc: [ 0h] = message_class.reserved[ 2b]
****500-bmc: [ 0h] = message_class.ack[ 1b]
****500-bmc: IPMI Session Header:
****500-bmc: [-----]
****500-bmc: [ 2h] = authentication_type[ 8b]
****500-bmc: [ 8h] = session_sequence_number[32b]
****500-bmc: [ 9C02DADh] = session_id[32b]
****500-bmc: [ BYTE ARRAY ... ] = authentication_code[16B]
****500-bmc: [ 76h 7Ch 1Dh 7Ch 83h 84h 37h 2Bh ]
****500-bmc: [ 28h 59h 3Ah 47h 3Dh 66h 2Eh 2Fh ]
****500-bmc: [ 15h] = ipmi_msg_len[ 8b]
****500-bmc: IPMI Message Header:
****500-bmc: [-----]
****500-bmc: [ 20h] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 6h] = net_fn[ 6b]
****500-bmc: [ C8h] = checksum1[ 8b]
****500-bmc: [ 81h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 13h] = rq_seq[ 6b]
****500-bmc: IPMI Command Data:
****500-bmc: [-----]
****500-bmc: [ 34h] = cmd[ 8b]
****500-bmc: [ 6h] = channel_number[ 4b]
****500-bmc: [ 0h] = send_message_with_authentication[
1b]
****500-bmc: [ 0h] = send_message_with_encryption[ 1b]
****500-bmc: [ 1h] = tracking_operation[ 2b]
****500-bmc: IPMB Message Header:
****500-bmc: [-----]
****500-bmc: [ 2Ch] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 2Eh] = net_fn[ 6b]
****500-bmc: [ 1Ch] = checksum1[ 8b]
****500-bmc: [ 20h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 13h] = rq_seq[ 6b]
****500-bmc: IPMB Message Data:
****500-bmc: [-----]
****500-bmc: [ C8h] = cmd[ 8b]
****500-bmc: [ 157h] = manufacturer_id[24b]
****500-bmc: [ 2h] = mode[ 4b]
****500-bmc: [ 0h] = reserved1[ 4b]
****500-bmc: [ 1h] = domain_id[ 4b]
****500-bmc: [ 0h] = reserved2[ 4b]
****500-bmc: [ 0h] = policy_id[ 8b]
****500-bmc: IPMB Message Trailer:
****500-bmc: [-----]
****500-bmc: [ 71h] = checksum2[ 8b]
****500-bmc: IPMI Trailer:
****500-bmc: [-----]
****500-bmc: [ B9h] = checksum2[ 8b]
****500-bmc: =====
****500-bmc: IPMI 1.5 Send Message Response
****500-bmc: =====
****500-bmc: RMCP Header:
****500-bmc: [-----]
****500-bmc: [ 6h] = version[ 8b]
****500-bmc: [ 0h] = reserved[ 8b]
****500-bmc: [ FFh] = sequence_number[ 8b]
****500-bmc: [ 7h] = message_class.class[ 5b]
****500-bmc: [ 0h] = message_class.reserved[ 2b]
****500-bmc: [ 0h] = message_class.ack[ 1b]
****500-bmc: IPMI Session Header:
****500-bmc: [-----]
****500-bmc: [ 2h] = authentication_type[ 8b]
****500-bmc: [ 4172CA4Eh] = session_sequence_number[32b]
****500-bmc: [ 9C02DADh] = session_id[32b]
****500-bmc: [ BYTE ARRAY ... ] = authentication_code[16B]
****500-bmc: [ 16h 03h 62h FEh B8h 08h A0h 3Ch ]
****500-bmc: [ 66h 15h 16h 9Ch 3Fh 97h AEh FCh ]
****500-bmc: [ 8h] = ipmi_msg_len[ 8b]
****500-bmc: IPMI Message Header:
****500-bmc: [-----]
****500-bmc: [ 81h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 7h] = net_fn[ 6b]
****500-bmc: [ 63h] = checksum1[ 8b]
****500-bmc: [ 20h] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 13h] = rq_seq[ 6b]
****500-bmc: IPMI Command Data:
****500-bmc: [-----]
****500-bmc: [ 34h] = cmd[ 8b]
****500-bmc: [ 0h] = comp_code[ 8b]
****500-bmc: IPMI Trailer:
****500-bmc: [-----]
****500-bmc: [ 60h] = checksum2[ 8b]
****500-bmc: =====
****500-bmc: IPMI 1.5 OEM Group - Unknown Response
****500-bmc: =====
****500-bmc: RMCP Header:
****500-bmc: [-----]
****500-bmc: [ 6h] = version[ 8b]
****500-bmc: [ 0h] = reserved[ 8b]
****500-bmc: [ FFh] = sequence_number[ 8b]
****500-bmc: [ 7h] = message_class.class[ 5b]
****500-bmc: [ 0h] = message_class.reserved[ 2b]
****500-bmc: [ 0h] = message_class.ack[ 1b]
****500-bmc: IPMI Session Header:
****500-bmc: [-----]
****500-bmc: [ 2h] = authentication_type[ 8b]
****500-bmc: [ 4172CA4Fh] = session_sequence_number[32b]
****500-bmc: [ 9C02DADh] = session_id[32b]
****500-bmc: [ BYTE ARRAY ... ] = authentication_code[16B]
****500-bmc: [ A2h D1h 6Ah 24h 75h 20h 44h C1h ]
****500-bmc: [ 48h F9h 3Fh 95h 5Fh E3h C7h 64h ]
****500-bmc: [ 8h] = ipmi_msg_len[ 8b]
****500-bmc: IPMI Message Header:
****500-bmc: [-----]
****500-bmc: [ 20h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 2Fh] = net_fn[ 6b]
****500-bmc: [ 24h] = checksum1[ 8b]
****500-bmc: [ 2Ch] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 13h] = rq_seq[ 6b]
****500-bmc: IPMI Command Data:
****500-bmc: [-----]
****500-bmc: [ C8h] = cmd[ 8b]
****500-bmc: [ 81h] = comp_code[ 8b]
****500-bmc: [ 157h] = manufacturer_id[24b]
****500-bmc: IPMI Trailer:
****500-bmc: [-----]
****500-bmc: [ E7h] = checksum2[ 8b]
Invalid Domain Id
****500-bmc: =====
****500-bmc: IPMI 1.5 Close Session Request
```

Reversed Case

```
****500-bmc: =====
****500-bmc: IPMI 1.5 Send Message Request
****500-bmc: =====
****500-bmc: RMCP Header:
****500-bmc: [-----]
****500-bmc: [ 6h] = version[ 8b]
****500-bmc: [ 0h] = reserved[ 8b]
****500-bmc: [ FFh] = sequence_number[ 8b]
****500-bmc: [ 7h] = message_class.class[ 5b]
****500-bmc: [ 0h] = message_class.reserved[ 2b]
****500-bmc: [ 0h] = message_class.ack[ 1b]
****500-bmc: IPMI Session Header:
****500-bmc: [-----]
****500-bmc: [ 2h] = authentication_type[ 8b]
****500-bmc: [ 8h] = session_sequence_number[32b]
****500-bmc: [ 398391Eh] = session_id[32b]
****500-bmc: [ BYTE ARRAY ... ] = authentication_code[16B]
****500-bmc: [ 16h CCh C9h B6h 09h 32h 2Bh B6h ]
****500-bmc: [ 54h 11h 33h 61h 32h A2h A1h 21h ]
****500-bmc: [ 15h] = ipmi_msg_len[ 8b]
****500-bmc: IPMI Message Header:
****500-bmc: [-----]
****500-bmc: [ 20h] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 6h] = net_fn[ 6b]
****500-bmc: [ C8h] = checksum1[ 8b]
****500-bmc: [ 81h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 3Ah] = rq_seq[ 6b]
****500-bmc: IPMI Command Data:
****500-bmc: [-----]
****500-bmc: [ 34h] = cmd[ 8b]
****500-bmc: [ 6h] = channel_number[ 4b]
****500-bmc: [ 0h] = send_message_with_authentication[
1b]
****500-bmc: [ 0h] = send_message_with_encryption[ 1b]
****500-bmc: [ 1h] = tracking_operation[ 2b]
****500-bmc: IPMB Message Header:
****500-bmc: [-----]
****500-bmc: [ 2Ch] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 2Eh] = net_fn[ 6b]
****500-bmc: [ 1Ch] = checksum1[ 8b]
****500-bmc: [ 20h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 3Ah] = rq_seq[ 6b]
****500-bmc: IPMB Message Data:
****500-bmc: [-----]
****500-bmc: [ C8h] = cmd[ 8b]
****500-bmc: [ 157h] = manufacturer_id[24b]
****500-bmc: [ 2h] = mode[ 4b]
****500-bmc: [ 0h] = reserved1[ 4b]
****500-bmc: [ 1h] = domain_id[ 4b]
****500-bmc: [ 0h] = reserved2[ 4b]
****500-bmc: [ 0h] = policy_id[ 8b]
****500-bmc: IPMB Message Trailer:
****500-bmc: [-----]
****500-bmc: [ D5h] = checksum2[ 8b]
****500-bmc: IPMI Trailer:
****500-bmc: [-----]
****500-bmc: [ 1Dh] = checksum2[ 8b]
****500-bmc: =====
****500-bmc: IPMI 1.5 Send Message Response
****500-bmc: =====
****500-bmc: RMCP Header:
****500-bmc: [-----]
****500-bmc: [ 6h] = version[ 8b]
****500-bmc: [ 0h] = reserved[ 8b]
****500-bmc: [ FFh] = sequence_number[ 8b]
****500-bmc: [ 7h] = message_class.class[ 5b]
****500-bmc: [ 0h] = message_class.reserved[ 2b]
****500-bmc: [ 0h] = message_class.ack[ 1b]
****500-bmc: IPMI Session Header:
****500-bmc: [-----]
****500-bmc: [ 2h] = authentication_type[ 8b]
****500-bmc: [ 75AD5947h] = session_sequence_number[32b]
****500-bmc: [ 398391Eh] = session_id[32b]
****500-bmc: [ BYTE ARRAY ... ] = authentication_code[16B]
****500-bmc: [ B7h 90h 68h E5h 0Ch 02h A7h B0h ]
****500-bmc: [ A2h 05h 6Bh E7h 48h 1Eh 84h 2Dh ]
****500-bmc: [ Bh] = ipmi_msg_len[ 8b]
****500-bmc: IPMI Message Header:
****500-bmc: [-----]
****500-bmc: [ 20h] = rq_addr[ 8b]
****500-bmc: [ 0h] = rq_lun[ 2b]
****500-bmc: [ 2Fh] = net_fn[ 6b]
****500-bmc: [ 24h] = checksum1[ 8b]
****500-bmc: [ 2Ch] = rs_addr[ 8b]
****500-bmc: [ 0h] = rs_lun[ 2b]
****500-bmc: [ 3Ah] = rq_seq[ 6b]
****500-bmc: IPMI Command Data:
****500-bmc: [-----]
****500-bmc: [ C8h] = cmd[ 8b]
****500-bmc: [ 81h] = comp_code[ 8b]
****500-bmc: [ 157h] = response_data[24b]
****500-bmc: IPMI Trailer:
****500-bmc: [-----]
****500-bmc: [ 4Bh] = checksum2[ 8b]
FIID_OBJ_GET: 'cmd': data not available
****500-bmc: =====
****500-bmc: IPMI 1.5 Close Session Request
```

