

User Manual Revision History

Document Revision	Date	Changes
Rev 5.50	Mar. 2019	Converted to online html format; some reorganization of content.
	May 27, 2018	Added Section 3.1.4.8, "How to Configure Storage Space Direct over RDMA" , on page 50
	May 06, 2018	<p>Added the following sections and their subsections:</p> <ul style="list-style-type: none"> • Section 3.1.8, "Receive Segment Coalescing (RSC)", on page 56 • Section 3.7, "Dump Me Now (DMN)", on page 134 • Section 3.7.4, "Configuration", on page 136 (and its sub- sections). • Table 29, "Dump Me Now Configurations," on page 137 • Section 3.7.3, "Cyclic DMN Mechanism", on page 136 • Section 3.9.1.1.2, "Nd2AdapterControlSetCqlInterrupt- Moderation", on page 141 • Section 4.6.3.7, "Show selfhealing", on page 197 • Section 3.10.1.1.1.1, "Miniport Driver Sensors", on page 170 • Table 44, "Miniport Driver Registry Keys," on page 172 • Table 45, "Logging - Windows Event Viewer Applications Messages," on page 173 • Table 46, "Logging - Windows Event Viewer Messages," on page 173 • Section 4.6.2.7, "Resources", on page 192 • Section 4.6.3.9, "show driverParams", on page 200 • Section 4.6.3.10, "show perfstats", on page 201 • Table 63, "Virtualization Related Issues," on page 211 • Section 5.7, "Reported Driver Events", on page 213 <p>Updated the following sections:</p> <ul style="list-style-type: none"> • Section 1, "Introduction", on page 18 • Table 5, "Hardware and Software Requirements," on page 20 • Table 20, "Performance Registry Keys," on page 120. Added the following note to the "The maximum value of this registry key is 64." to the "NumRSSQueues registry key. • Section 3.5.3, "Network Virtualization using Generic Routing Encapsulation (NVGRE)", on page 86 • Table 14, "SR-IOV Mode Configuration Parameters," on page 101 • Table 27, "RoCE Options," on page 134 • Table 28, "General Registry Keys," on page 134 • Table 34, "Mellanox Adapter Diagnostics Counters," on page 155 • Table 41, "Mellanox Proprietary WinOF Bus Counters," on page 166 <p>Removed the following sections:</p> <ul style="list-style-type: none"> • Section NVGRE Configuration Scripts Examples and its subsections • Section Configuring NDK for Virtual NICs • Memory Translation Table (MTT) Optimization
Rev 5.40	May 21, 2017	<p>Added the following sections:</p> <ul style="list-style-type: none"> • Section 3.1.16, "Threaded DPC", on page 71 (and its sub- sections). • Section 3.9.4.4, "RSS Monitoring", on page 158 (and its subsections). • Section 3.11.2, "Disabling Mellanox Device while NetworkDirect Applications are Running", on page 178 (and its subsections). • Section 4.6.2.1, "nonrss-capture", on page 189 • Section 4.6.2.2, "sw-reset", on page 189 • Section 4.6.3.1, "show packet-filter", on page 195 • Section 4.6.3.2, "show qos", on page 195 • Section 4.6.3.3, "show nd", on page 196 • Section 4.6.3.8, "show regkeys", on page 198 (and its subsections) • Section 4.6.3.9, "show driverParams", on page 200 • Section 4.6.3.10, "show perfstats", on page 201 • Section 5.1, "RDMA Related Troubleshooting", on page 204 <p>Updated the following sections:</p> <ul style="list-style-type: none"> • Table 21, "Ethernet Registry Keys," on page 126 • Table 34, "Mellanox Adapter Diagnostics Counters," on page 155 • Section 3.9.3, "Tunable Performance Parameters", on page 150 (and its subsections)

Rev 5.35	January 29, 2017	<p>Added the following sections:</p> <ul style="list-style-type: none">• Section 3.9.4.5, "Propriety Mellanox Adapter RSS Counters", on page 162 (and its subsections)• Section 4.6.2.7, "Resources", on page 192• Section 4.6.2.8, "Ipoib-ep", on page 193• Section 4.6.2.9, "Get-state", on page 194• Section 4.6.2.10, "Restart", on page 194 <p>Updated the following sections:</p> <ul style="list-style-type: none">• Section 3.5.4, "Single Root I/O Virtualization (SR- IOV)", on page 88• Section 3.5.4.1.1, "System Requirements", on page 88• Section 3.5.4.1.2, "Feature Limitations", on page 89• Section 3.6.3, "Basic Registry Keys", on page 116• Section 3.6.4, "Off-load Registry Keys", on page 118• Section 3.6.5, "Performance Registry Keys", on page 120• Section 3.7, "Dump Me Now (DMN)", on page 134• Table 20, "Performance Registry Keys," on page 120• Table 34, "Mellanox Adapter Diagnostics Counters," on page 155• Table 60, "InfiniBand Related Issues," on page 206
----------	---------------------	---