



Software Specifications

- [Required Software, on page 1](#)

Required Software

Table 1: Required Software

| Software | Value/Description |
|------------------|---|
| Operating System | In releases prior to 6.0: Red Hat Enterprise Linux 7.3 In 6.0 through 6.2.x releases: Red Hat Enterprise Linux 7.4 In 6.2.bx release, 6.3 release through 6.8 release: Red Hat Enterprise Linux 7.5 In 6.9 and later: Red Hat Enterprise Linux 7.5 or Red Hat Enterprise Linux 7.6 |
| Hypervisor | Qemu (KVM) |
| VIM | Hyper-converged Ultra M Single and Multi-VNF Models: Red Hat OpenStack Platform 10 (OSP 10 - Newton) or Red Hat OpenStack Platform 13 (OSP 13 - Queens) |

| Software | Value/Description |
|----------|--|
| VNF | <p>In releases prior to 6.0: StarOS release 21.4</p> <p>In releases 6.0 and 6.1: StarOS release 21.6</p> <p>In release 6.2.x: StarOS release 21.8</p> <p>In release 6.2.bx: StarOS release 21.6.x</p> <p>In release 6.3: StarOS release 21.9</p> <p>In release 6.4: StarOS release 21.10</p> <p>In release 6.5: StarOS release 21.11</p> <p>In release 6.6: StarOS release 21.12</p> <p>In release 6.7: StarOS release 21.13</p> <p>In release 6.8: StarOS release 21.14</p> <p>In release 6.9: StarOS release 21.15</p> <p>In release 6.10: StarOS release 21.16</p> <p>In release 6.11: StarOS release 21.17</p> <p>In release 6.12: StarOS release 21.18</p> <p>In release 6.13: StarOS release 21.19</p> |
| VNFM | <p>In releases prior to 6.0: ESC 3.1.0.116</p> <p>In releases 6.0 and 6.1: ESC 3.1.0.145</p> <p>In release 6.2: ESC 4.0.0.104</p> <p>In release 6.3: ESC 4.2</p> <p>In release 6.4 and 6.5: ESC 4.3.0.121</p> <p>In release 6.6 and 6.7: ESC 4.4.0.88</p> <p>In release 6.8 and later: ESC 4.5.0.112</p> |

| Software | Value/Description |
|----------|---|
| UEM | <p>In releases prior to 6.0: UEM 5.7</p> <p>In releases 6.0 and 6.1: UEM 6.0</p> <p>In release 6.2: UEM 6.2</p> <p>In release 6.3: UEM 6.3</p> <p>In release 6.4: UEM 6.4</p> <p>In release 6.5: UEM 6.5</p> <p>In release 6.6: UEM 6.6</p> <p>In release 6.7: UEM 6.7</p> <p>In release 6.8: UEM 6.8</p> <p>In release 6.9: UEM 6.9</p> <p>In release 6.10: UEM 6.10</p> <p>In release 6.11: UEM 6.11</p> <p>In release 6.12: UEM 6.12</p> <p>In release 6.13: UEM 6.13</p> |
| USP | <p>In releases prior to 6.0: USP 5.7</p> <p>In releases 6.0 and 6.1: USP 6.0</p> <p>In release 6.2: USP 6.2.x/6.2.bx</p> <p>In release 6.3: USP 6.3</p> <p>In release 6.4: USP 6.4</p> <p>In release 6.5: USP 6.5</p> <p>In release 6.6: USP 6.6</p> <p>In release 6.7: USP 6.7</p> <p>In release 6.8: USP 6.8</p> <p>In release 6.9: USP 6.9</p> <p>In release 6.10: USP 6.10</p> <p>In release 6.11: USP 6.11</p> <p>In release 6.12: USP 6.12</p> <p>In release 6.13: USP 6.13</p> |

