Software Specifications

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 **Note** RHEL 7.6 is not fully qualified in Release 6.9.
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	In releases prior to 6.0: StarOS release 21.4
	In releases 6.0 and 6.1: StarOS release 21.6
	In release 6.2.x: StarOS release 21.8
	In release 6.2.bx: StarOS release 21.6.x
	In release 6.3: StarOS release 21.9
	In release 6.4: StarOS release 21.10
	In release 6.5: StarOS release 21.11
	In release 6.6: StarOS release 21.12
	In release 6.7: StarOS release 21.13
	In release 6.8: StarOS release 21.14
	In release 6.9: StarOS release 21.15
	In release 6.10: StarOS release 21.16
VNFM	In releases prior to 6.0: ESC 3.1.0.116
	In releases 6.0 and 6.1: ESC 3.1.0.145
	In release 6.2: ESC 4.0.0.104
	In release 6.3: ESC 4.2
	In release 6.4 and 6.5: ESC 4.3.0.121
	In release 6.6 and 6.7: ESC 4.4.0.88
	In release 6.8 and later: ESC 4.5.0.112
UEM	In releases prior to 6.0: UEM 5.7
	In releases 6.0 and 6.1: UEM 6.0
	In release 6.2: UEM 6.2
	In release 6.3: UEM 6.3
	In release 6.4: UEM 6.4
	In release 6.5: UEM 6.5
	In release 6.6: UEM 6.6
	In release 6.7: UEM 6.7
	In release 6.8: UEM 6.8
	In release 6.9: UEM 6.9
	In release 6.10: UEM 6.10

Software	Value/Description
USP	In releases prior to 6.0: USP 5.7
	In releases 6.0 and 6.1: USP 6.0
	In release 6.2: USP 6.2.x/6.2.bx
	In release 6.3: USP 6.3
	In release 6.4: USP 6.4
	In release 6.5: USP 6.5
	In release 6.6: USP 6.6
	In release 6.7: USP 6.7
	In release 6.8: USP 6.8
	In release 6.9: USP 6.9
	In release 6.10: USP 6.10