

Bill of Materials as Validated

Table A-1 presents the product part numbers for the components required to build out the network infrastructure used to validate the Virtualized Workload Mobility solution.

Table A-1 Cisco Virtualized Workload Mobility Solution Components

Part Number	Description	Quantity
Cisco Nexus 7010		
N7K-C7010-BUN	Nexus7000 C7010 (10 Slot) Chassis	8
N7K-M132XP-12	10 Gbps Ethernet Module	16
N7K-SUP1	Supervisor module-1X	14
N7K-C7010-FAB-1	Fabric Module 1	24
N7K-M148GT-11	10/100/1000 Mbps Ethernet Module	8
Cisco Nexus 5000		
N5K-C5020P-BF	40x10GE/Supervisor	4
N10-FAN2	Chassis fan module	20
N5K-PAC-750W	AC power supply	8
Cisco Nexus 2000		
N2K-C2148T-1GE	N2K-C2148T-1GE CHASSIS	12
N2K-C2148-FAN	Fabric Extender Fan module	4
N2K-PAC-200W	Fabric Extender AC power supply	4
Cisco Catalyst 6500		
WS-C6504-E	Cisco 6500 4-slot Chassis System	8
WS-SUP720-3BXL	Supervisor Engine 720	4
WS-F6K-PFC3BXL	Policy Feature Card 3	4
WS-X6704-10GE	CEF720 4 port 10-Gigabit Ethernet	16
WS-X6748-GE-TX	CEF720 48 port 10/100/1000mb Ethernet	7
WS-SUP720-BASE	Supervisor Engine 720	1
WS-F6K-PFC3A	Policy Feature Card 3	1
WS-SUP720	Supervisor Engine 720	8
WS-X6148A-GE-45AF	48-port 10/100/1000 RJ45 EtherModule	1

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Part Number	Description	Quantity
WS-SUP720-3B	Supervisor Engine 720	2
WS-F6K-PFC3B	Policy Feature Card 3	3
Cisco Global Site Selector (GSS)		
GSS-4492-k9	Global Site Selector 4492	4
Cisco Application Control Engine (ACE)		
ACE-4710-K9	ACE 4710 Application Control Engine Appliance	4
Cisco MDS 9500		
DS-C9509	MDS 9509 (9 Slot) Chassis	2
DS-X9224-96K9	1/2/4/8 Gbps FC Module	6
DS-X9316-SSNK9	16x1GE, Storage Services Node	2
DS-X9304-18K	4x1GE IPS, 18x1/2/4Gbps FC Modul	2
DS-X9530-SF2-K9	Supervisor/Fabric-2	4
DS-CAC-2500W	MDS 9509 (9 Slot) Chassis Power Supply	2
DS-9SLOT-FAN	MDS 9509 (9 Slot) Chassis Fan Module	2
WS-CAC-6000W	MDS 9509 (9 Slot) Chassis Power Supply	2
Cisco UCS Chassis		
N20-C6508	UCS 5108 Blade Server Chassis/0 PSU/8 fans/0 fabric extender	4
SC IO OPT	I/O Module Addons	4
N20-I6584	UCS 2104XP Fabric Extender/4 external 10Gb ports	5
N20-PAC5-2500W	2500W power supply unit for UCS 5108	11
SC PWR CAB OPT	Power Cables	11
N20-FAN5	Fan module for UCS 5108	32
N20-FW001	UCS 5108 Blade Server Chassis FW package/DO NOT PUBLISH	4
N20-B6620-1	UCS B200 M1 Blade Server w/o CPU, memory, HDD, mezzanine	4
N20-B6620-2	UCS B250 M1 Blade Server w/o CPU, memory, HDD, mezzanine	12
Cisco UCS 6100 Fabric Interconnect		
N10-S6100	UCS 6100 Series Fabric Interconnect	5
N10-S6100-SUP	20x10GE/Supervisor	5
N10-E0440	4x10GE + 4x1/2/4G FC Module	5
N10-FAN1	Chassis fan module	10
N10-PAC1-550W	AC power supply	10
EMC V-MAX		
EMC V-Max	V-MAX 15SLT DR ENCL	1

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Part Number	Description	Quantity
SB-DE15-DIR	V-MAX SB SPS	16
SB-DB-SPS	V-MAX 8M FC-NO PREM	4
SB-FE80000	V-MAX 8M FC-NO PREM	4
SB-32-BASE	V-MAX BASE-32 GB	1
SB-ADD32NDE	V-MAX ADD ENGINE-32 GB	1
NF4103001B	V-MAX 4G 10 K300GB DRIVE	88
SB-PCBL3DHR	50A 3PH DELTA HBL-RSTOL	2
SB-ACON3P-50	ADPTR AC 3PH 50A W/3/4IN CONDUIT ADPTR	4
SB-CONFIG05	V-MAX CONFIG 05	1
PP-SE-SYM	PPATH SE SYM	1
ESRS GW 100	SECURE REMOTE SUPPRT GW	1
ESRS GW 100	SECURE REMOTE SUPPRT GW	1
SYMVP-RN-OPN	SYMM VIRTUAL PROV RUNTIME	1
ENGTY-SB-BAS	V-MAX ENGINUITY BASE LICENSE	1
ENGTY-SB-C02	V-MAX ENGINUITY 1TB (15-25TB)	24
M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1
NF4106001BU	V-MAX 4G 10K600GB DRV UPG	48
SYMVP-RN-OPN	SYMM VIRTUAL PROV RUNTIME	1
ENGTY-SB-UPG	V-MAX ENGINUITY BASE UPGRADE	1
SYM-MIGR-BAS	SYMMETRIX MIGRATION PKG BASE LICENSE	1
ENGTY-SB-C04	V-MAX ENGINUITY 1TB (41-60TB)	25
457-100-183	POWERPATH/VE, STD X86 T2 (8+ CPUs)	128
POWERPATH-VE	POWERPATH FOR VIRTUAL ENVIRONMENT	64
EMC VPLEX-METRO		
VS1-04-RACK	VPLEX MEDIUM CONFIG (2 ENGINE) RACK	1
VS1-ENG-ADD	VPLEX ENGINE ADD	1
VS1-ENG-BASE	VPLEX BASE ENGINE	1
VS1-PW40U-US	30A 1PH L6-30P NORTH AMER; JAPAN	1
SBA-TOP-KIT	VMAX-SE Sys Bay Top Routing Kit	1
VS1-SWITCH	VPLEX FC COM SWITCH	2
M-PRESW-004	PREMIUM SW SUPPORT - OPEN SW	1
VS1-SERVER	VPLEX MANAGEMENT SERVER	1
VS1-DM-PBASE	VPLEX Local Base (incl. 10TB)	1
VS1-AA-PBASE	VPLEX Metro Base (incl. 10TB)	1
VS1-UPS	350VA UPS ROHS COMPLIANT UPS	2

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Part Number	Description	Quantity
ESRS-GW-200	EMC SECURE REMOTE SUPPORT GATEWAY CLIENT	1
VS1-04-RACK	VPLEX MEDIUM CONFIG (2 ENGINE) RACK	1
VS1-ENG-ADD	VPLEX ENGINE ADD	1
VS1-ENG-BASE	VPLEX BASE ENGINE	1
VS1-PW40U-US	30A 1PH L6-30P NORTH AMER; JAPAN	1
SBA-TOP-KIT	VMAX-SE Sys Bay Top Routing Kit	1
VS1-SWITCH	VPLEX FC COM SWITCH	2
PS-BAS-VPLEX	EMC DESIGN AND IMPL FOR V-PLEX QS	1
M-PRESW-004	PREMIUM SW SUPPORT - OPEN SW	1
VS1-SERVER	VPLEX MANAGEMENT SERVER	1
VS1-DM-PBASE	VPLEX Local Base (incl. 10TB)	1
VS1-AA-PBASE	VPLEX Metro Base (incl. 10TB)	1
VS1-UPS	350VA UPS ROHS COMPLIANT UPS	2