



Avaya Common Servers Release 2 Overview

Common Servers Release 2 Technology

HP® ProLiant DL360/380p G8

Dell® PowerEdge R620



Choices	Based On	Alternatives
Chassis	HP DL360PG8 1U dual socket with 8 SFF drive bays Dell R620 1U dual socket with 4 SFF drive bays	HP DL380PG8 2U chassis for applications with full length/full height cards Dell 8 SFF bay chassis for high drive count applications
Processors	Intel® Xeon® E5 Sandy Bridge Performance Series	E5-2630 2.3 GHz 6-Core, E5-2667 2.9 GHz 6-Core or E5-2670 2.6GHz 8-Core for high requirement applications
Memory	4 GB DDR3 RDIMMs @1600 Hz	up to 48 GB (12 DIMM) per processor
Hard Drive	300 GB SAS 2.5" 10K Hard Drive	300 GB 15K, 600 & 900 GB 10K for high requirement applications
RAID Option	HP - P420i RAID Controller w/ 512 MB flash back write cache Dell - H710 RAID Controller w/ 512 MB cache, battery backed	RAID 1 - 2 Drives, RAID 5 - 3 or more Drives, RAID 10 for specialized applications; H810/512MB for external disk array connection
Network Interfaces	4 Integrated ENET 1 Gigabit NIC ports on board	1 and 2 2-port PCIe can be added
PCI Interfaces	HP - 2 PCIe 3.0 slots available Dell - 2 PCIe slots available	HP DL380PG8 2U with 3 x 3.0 PCIe slots
Power Supply	HP - 460 W AC auto-sensing, auto-ranging, hot pluggable Dell - 495 W AC auto-sensing, auto-ranging, hot pluggable	HP - 750 W AC, 750 W DC Dell - 750 W AC Required PS dictated by CPU & server configuration
USB	HP - 2 front, 4 back, 1 internal Dell - 2 front, 4 back, 1 internal	Standard

Release 1 to 2 Application Transition

Phase	Application Name	CS Rel1 Server		Related SW Rel1	CS1 Main /Alt	Target "P" Date	Target "D" Date	CS Rel2 Server Code	CS Rel2 Server Description	CS2 Main /Alt	Distr		
		Code	CS Rel1 Server Description								Stockable? (Yes/No)	GA Date	Target ASD Date
1	Communication Mgr	263764	DL360G7 SERVER CM S/D/MBT/SBC	6.2	M	3-Mar-14	2-Jun-14	303518	DL360PG8 SERVER CM SMPLX & MID DPLX	M	Yes	7-Oct-13	4-Nov-13
1	Communication Mgr	263765	DL360G7 SERVER CM HIGH DUPLEX	6.2	M	3-Mar-14	2-Jun-14	303519	DL360PG8 SERVER CM HIGH DUPLEX	M	Yes	7-Oct-13	4-Nov-13
1	Communication Mgr	263760	R610 SERVER CMS/D/MBT/SBC	6.2	A		3-Dec-12	303516	R620 SERVER CM SIMPLEX & MID DUPLEX	A	Yes	7-Oct-13	4-Nov-13
1	Communication Mgr	263761	R610 SERVER CM HIGH DUPLEX	6.2	A		3-Dec-12	303517	R620 SERVER CM HIGH DUPLEX	A	Yes	7-Oct-13	4-Nov-13
1	Session Manager	700501092	DL360G7 SERVER SESSION MANAGER	6.2	M	3-Mar-14	2-Jun-14	303564	DL360PG8 SERVER SESSION MANAGER	M	Yes	7-Oct-13	4-Nov-13
1	Session Manager	700501082	R610 SERVER SESSION MANAGER	6.2	A		3-Dec-12	303563	R620 SERVER SESSION MANAGER	A	Yes	7-Oct-13	4-Nov-14
1	System Manager	700501093	DL360G7 SERVER SYSTEM MANAGER	6.2	M	3-Mar-14	2-Jun-14	303566	DL360PG8 SERVER SYSTEM MANAGER	M	Yes	7-Oct-13	4-Nov-13
1	System Manager	700501083	R610 SERVER SYSTEM MANAGER	6.2	A		3-Dec-12	303565	R620 SERVER SYSTEM MANAGER	A	Yes	7-Oct-13	4-Nov-14
1	Presence Services	263127	Avaya Aura™ DL360G7 PS R6.1 Srvr Bl	6.2	M	3-Mar-14	2-Jun-14	303561	DL360PG8 SRVR PRES SVCS	M	Yes	7-Oct-13	4-Nov-14
1	Presence Services	263856	Avaya Aura™ R610 PS R6.1 Srvr Bndl	6.2	A		3-Dec-12	303562	R620 SRVR PRES SVCS	A	Yes	7-Oct-13	4-Nov-13
1	AES	700505182	DL360G7 SERVER AES Replacement	6.2.3	M	3-Mar-14	2-Jun-14	303580	R620 SRVR AES	M	Yes	7-Oct-13	4-Nov-13
1	Solution for Midsize Enterprise	263762	DL360G7 Srvr 2CPU HI1 MES	6.2	M	3-Mar-14	2-Jun-14	303560	DL360PG8 SRVR MIDSIZE ENTPRS/COL	M	Yes	7-Oct-13	4-Nov-13
1	CM Messaging - FM	263820	CMM-FM HP DL360 Srvr MM	6.2	M	3-Mar-14	2-Jun-14	304210	DL360PG8 SRVR CMM-FM	M	No	7-Oct-13	4-Nov-13
1	CM Messaging - FM	272360	R610 SRVR CMM-FM	6.2	A	3-Mar-14	2-Jun-14	304211	R620 SRVR CMM-FM	A	No	7-Oct-13	4-Nov-13
1	One-X CES	269373	DL360G7 SERVER one-X CES	6.1	M	3-Mar-14	2-Jun-14	303591	DL360G8 SRVR ONE-X CES	M	Yes	7-Oct-13	4-Nov-13
1	One-X CES	263810	R610 AVAYA ONE-X CES R6.X SRVR	6.1	A		3-Dec-12	303590	R620 SRVR ONE-X CES	A	Yes	7-Oct-13	4-Nov-13
1	One-X Speech	264189	MM DL360 One_x Speech Srvr DualPt	4.0	M	3-Mar-14	2-Jun-14	303971	DL380PG8 SRVR ONE-X SPH DUAL PT	M	No	3-Feb-14	2-Feb-14
1	One-X Speech	264190	MM DL360 One_x Speech Srvr QuadPt	4.0	M	3-Mar-14	2-Jun-14	303972	DL380PG8 SRVR ONE-X SPH QUAD PT	M	No	3-Feb-14	2-Feb-14
1	One-X Speech	264191	MM DL360 One_x Speech Srvr Cluster	4.0	M	3-Mar-14	2-Jun-14	303973	DL380PG8 SRVR ONE-X SPH CLUSTER	M	No	3-Feb-14	2-Feb-14
2	Avaya IQ	264216	IQ5.2 R610 Srvr Appl	5.2	M	3-Mar-14	2-Jun-14	304200	R620 SRVR IQ APPL	M	No	3-Feb-14	3-Mar-14
2	Avaya IQ	264217	IQ5.2 R610 Srvr DB	5.2	M	3-Mar-14	2-Jun-14	304201	R620 SRVR IQ DB	M	No	3-Feb-14	3-Mar-14
2	Avaya IQ	264934	IQ5.2 R610 Srvr All in One	5.2	M	3-Mar-14	2-Jun-14	304202	R620 SRVR IQ ALL IN ONE SRVR	M	No	3-Feb-14	3-Mar-14
2	CS1000	700501181	DL360G7 Srvr 1CPU MID1 HMS/CS1K	7.6	M	2-Jun-14	25-Aug-14	306202	DL360PG8 SERVER CS1000	M	Yes	3-Mar-14	3-Mar-14
2	AA Messaging	264181	AAM R610 Srvr 1 CPU-LO HI-RAID 10K HDD	6.1	M	3-Dec-12	3-Dec-12	302849	R620 SRVR AA MSG STD STRG	M	Yes	17-Mar-14	3-Mar-14
2	AA Messaging	264183	AAM R610 Srvr 1 CPU-LO HI-RAID 15K HDD	6.1	M	3-Dec-12	3-Dec-12	303601	R620 SRVR AA MSG HI-CAP STRG	M	Yes	17-Mar-14	3-Mar-14
2	AA Messaging	264180	AAM DL360G7 Srvr 1 CPU-LO HI-RAID 10K HDD	6.1	A	2-Jun-14	25-Aug-14	302848	DL360PG8 SRVR AA MSG STD STRG	A	Yes	17-Mar-14	3-Mar-14
2	AA Messaging	264182	AAM DL360G7 Srvr 1 CPU-LO HI-RAID 15K HDD	6.1	A	2-Jun-14	25-Aug-14	303600	DL360PG8 SRVR AA MSG HI-CAP STRG	A	Yes	17-Mar-14	3-Mar-14

Release 2 Configurations by Application

Adopting Application (Main & Alternate if applicable)	Server	Size	Processor (Intel Xeon)	# of			RAID	# of Ports	Power Supply
				CPU	Dynamic RAM	Hard Disk Drive			
Communication Manager Simplex / Mid-Performance Duplex (303518, Main)	CS Rel2 HP DL360PG8	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 P420i/512MB	6	1 x 460 W
Communication Manager Simplex / Mid-Performance Duplex (303516, Alternate)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 H710/512MB	6	1 x 495 W
Communication Manager - High Performance Duplex (303519 - 2 servers, Main)	CS Rel2 HP DL360PG8	1U	E5-2667 2.9 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 P420i/512MB	6	1 x 460 W
Communication Manager - High Performance Duplex (303517 - 2 servers, Alternate)	CS Rel2 Dell R620	1U	E5-2667 2.9 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 H710/512MB	6	1 x 495 W
Session Manager (303564, Main)	CS Rel2 HP DL360PG8	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 P420i/512MB	4	2 x 460 W
Session Manager (303563, Alternate)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 H710/512MB	4	2 x 495 W
System Manager (303566, Main)	CS Rel2 HP DL360PG8	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 P420i/512MB	4	2 x 460 W
System Manager (303565, Alternate)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 H710/512MB	4	2 x 495 W
Presence Services (303561, Main)	CS Rel2 HP DL360PG8	1U	E5-2667 2.9 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 P420i/512MB	4	2 x 750 W
Presence Services (303562, Alternate)	CS Rel2 Dell R620	1U	E5-2667 2.9 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 H710/512MB	4	2 x 750 W
Application Enablement Services (303580)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	2 x 300 GB 10K 1 x DVD R/W	RAID 1 H710/512MB	4	1 x 495 W
Solution for Midsize Enterprise / Collaboration (303560)	CS Rel2 HP DL360PG8	1U	E5-2667 2.9 Ghz 6-core Sandy Bridge	2	64 GB (4GB RDIMM)	4 x 300 GB 10K 1 x DVD R/W	RAID 5 P420i/512MB	8	2 x 750 W
Communication Manager Messaging - Federal Market (304210, Main)	CS Rel2 HP DL360PG8	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 P420i/512MB	4	2 x 460 W
Communication Manager Messaging - Federal Market (304211, Alternate)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 H710/512MB	4	2 x 495 W
one-X® Client Enablement Services (303591, Main)	CS Rel2 HP DL360PG8	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 P420i/512MB	4	1 x 460 W
one-X® Client Enablement Services (303590, Alternate)	CS Rel2 Dell R620	1U	E5-2630 2.3 Ghz 6-core Sandy Bridge	2	32 GB (4GB RDIMM)	3 x 300 GB 10K 1 x DVD R/W	RAID 5 H710/512MB	4	1 x 495 W
one-X® Speech (303971 dual port, 303972 quad port, 303973 cluster) comes with corresponding Dialogics card	CS Rel2 HP DL380PG8	2U	E5-2630 2.3 Ghz 6-core Sandy Bridge	1	16 GB (4GB RDIMM)	3 x 300 GB 15K 1 x DVD R/W	RAID 5 P420i/512MB	4	2 x 460 W

Release 2 Additional Information

► Phase 1 – Applications with Main & Alternate Servers

Adopting Application	Main Server	Alternate Server
Communication Manager Simplex/Duplex	DL360PG8 - 303518	R620 - 303516
Communication Manager High Duplex	DL360PG8 - 303519	R620 - 303517
Session Manager	DL360PG8 - 303564, NTL303564	R620 - 303563, NTL303563
System Manager	DL360PG8 - 303566, NTL303566	R620 - 303565, NTL303565
Presence Services	DL360PG8 - 303561, NTL303561	R620 - 303562, NTL303562
Communication Manager Messaging - Federal Market	DL360PG8 - 304210	R620 - 304211
one-X Client Enablement Services	DL360PG8 - 303591	R620 - 303590
AA Messaging - Standard Storage	R620 - 302849	DL360PG8 - 302848
AA Messaging - Hi-Cap Storage	R620 - 303601	DL360PG8 - 303600

► Physical Characteristics

Model	Weight (max)	Height	Width	Depth
R620 1U rack mount server	41 Lb / 19 Kg	1.7 in / 4.3 cm	17.1 in / 43.4 cm	26.9 in / 68.3 cm
DL360PG8 1U rack mount server	42 Lb / 19 Kg	1.7 in / 4.3 cm	17.1 in / 43.4 cm	27.5 in / 69.9 cm
DL380PG8 2U rack mount server	60 Lb / 27 Kg	3.4 in / 8.6 cm	17.5 in / 44.6 cm	27.3 in / 69.2 cm

Release 2 Additional Information

► Deployment & Site Planning

Platform configuration	Model	Total System VA Rating	Nominal Power Consumption (Watts)	Heat Output (BTU/hour)
Medium performance, single CPU servers with 1 x E5-2630 2.3 GHz 6-core CPU and 16GB system memory. With 2 x 300GB 10K or 3 x 300GB 15K drives, with or without a 2-port PCIe and single or dual 495 WAC PS	R620 1U rack mount server	197	193	658 to 659
Medium performance, dual CPU servers with 2 x E5-2630 2.3 GHz 6-core CPU and 32GB system memory. With 2 or 3 x 300GB 10K drives and single or dual 495 WAC PS	R620 1U rack mount server	305 to 322	299 to 316	1,020 to 1,078
High performance, single CPU servers with 1 x E5-2667 2.9 GHz 6-core CPU and 16GB system memory. With 2 x 300GB 10K drives, 2-port PCIe and single 495 WAC PS	R620 1U rack mount server	236	231	788
High performance, dual CPU servers with 2 x E5-2667 2.9 GHz 6-core CPU and 32GB or 64GB system memory. With 3 or 4 x 300GB drives and dual 750 WAC PS	R620 1U rack mount server	401 to 435	393 to 426	1,341 to 1,454
High performance, dual CPU servers with 2 x E5-2667 2.9 GHz 6-core CPU and 64GB system memory. With 6 x 600GB drives and dual 750 WAC PS	R620 1U rack mount server	459	450	1,536
Medium performance, single CPU servers with 1 x E5-2630 2.3 GHz 6-core CPU and 16GB or 32GB system memory. With 2 x 300GB 10K or 3 x 300GB 15K drives, with or without 2-port PCIe and single or dual 460 WAC PS	DL360PG8 1U rack mount server	186 to 193	184 to 197	627 to 672
Medium performance, single CPU servers with 1 x E5-2630 2.3 GHz 6-core CPU and 16GB system memory. With 3 x 300GB 15K drives and dual 460 WAC PS	DL380PG8 2U rack mount server with added Dialogics	193	191	651
Medium performance, dual CPU servers with 2 x E5-2630 2.3 GHz 6-core CPU and 32GB system memory. With 2 or 3 x 300GB 10K drives and single or dual 460 WAC PS	DL360PG8 1U rack mount server	309 to 319	307 to 317	1,047 to 1,080
Medium performance, dual CPU servers with 2 x E5-2630 2.3 GHz 6-core CPU and 32GB system memory. With 2 x 300GB 10K drives and dual 750 WDC PS	DL360PG8 1U rack mount server with	314	308	1,018
High performance, single CPU servers with 1 x E5-2667 2.9 GHz 6-core CPU and 16GB system memory. With 2 x 300GB drives, 2-port PCIe and single 460 WAC PS	DL360PG8 1U rack mount server	216	214	731
High performance, dual CPU servers with 2 x E5-2667 2.9 GHz 6-core CPU and 32GB or 64GB system memory. With 3 or 4 x 300GB drives, with or without 2 x 2-port PCIe and dual 750 WAC PS	DL360PG8 1U rack mount server	381 to 421	375 to 417	1,279 to 1,417
High performance, dual CPU servers with 2 x E5-2667 2.9 GHz 6-core CPU and 32GB system memory. With 4 x 300GB and 4 x 900GB 10K drives and dual 750 WAC PS	DL360PG8 1U rack mount server	424	417	1,423