



HPE ProLiant Server Blades - Compatibility with HPE BladeSystem c7000 and c3000 Enclosures and Firmware

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Environment

HPE ProLiant Server Blades
HPE BladeSystem c3000 Enclosure
HPE BladeSystem c7000 Enclosure
HPE Onboard Administrator
HPE Virtual Connect
HPE ProLiant G5 Servers Blades
HPE ProLiant G6 Servers Blades
HPE ProLiant G7 Servers Blades
HPE ProLiant Gen8 Servers Blades
HPE ProLiant Gen9 Servers Blades
HPE ProLiant Gen10 Servers Blade

Issue

Gain compatibility with HPE BladeSystem c7000 and c3000 Enclosures and Firmware across HPE Blade Servers, HPE Virtual Connect and HPE Onboard Administrator.

End-users are looking for confirmation about compatibility on which HPE BladeSystem Enclosures operate with HPE ProLiant Server

Blades including the required Onboard Administrator and Virtual Connect firmware levels.

Cause

Resolution

HPE ProLiant server blades will operate in any HPE BladeSystem c3000 or c7000 enclosure (product numbers 4xxxxx-xxx, 5xxxxx-xxx, 6xxxxx-xxx, and 7xxxxx-xxx) with any HPE BladeSystem Onboard Administrators module.

The Onboard Administrator and Virtual Connect (if applicable) firmware must be at a level that supports all the components within the enclosure.

The supported Onboard Administrator and Virtual Connect firmware levels for the HPE ProLiant Server Blades are listed in Table 1.

Different HPE ProLiant server blade generations that can be mixed are also listed in Table 1.

[Click here to access the Onboard Administrator firmware for more information.](#)

[Click here to access the Virtual Connect firmware for more information.](#)

[Click here to access the Service Pack for ProLiant \(SPP\) advisories and release notes for more information.](#)

The Onboard Administrator and Virtual Connect firmware revisions for HPE ProLiant Server Blades are as follows:

Table 1: Firmware Compatibility Matrix:

HPE ProLiant BladeServer	Onboard Administrator Firmware *5		Virtual Connect Firmware *6		HPE ProLiant Server Blade Mixing Support
	Minimum	Maximum	Minimum	Maximum	
BL460c (G1)	1.00	4.23	1.10	4.21	BL260c G5 and all G1 server blades may be mixed together when using OA firmware 2.20-4.23 and VC firmware 1.31-4.21
BL465c (G1)	1.00	4.23	1.10	4.21	
BL480c (G1)	1.00	4.23	1.10	4.21	
BL685c (G1)	1.00	4.23	1.10	4.21	
BL260c G5	2.20	4.23	1.31	4.21	
BL460c G5	2.31	4.23	2.02	4.21	All G1 to all G5 server blades may be mixed together when using OA firmware 2.31-4.23 and VC firmware 2.02-4.21
BL465c G5	2.31	4.23	2.02	4.21	
BL495c G5	2.31	4.23	1.32	4.21	
BL680c G5	2.31	4.23	1.20	4.21	
BL685c G5	2.31	4.23	2.02	4.21	
BL280c G6	2.41	4.80	2.10	4.63	- All G1 to all G6 (except the BL2x220c G6 and WS460c G6) may be mixed together when using OA firmware 2.41-4.23 and VC firmware 2.30-4.21. - All G6 (except the BL2x220c G6 and WS460c G6) (no G1
BL460c G6	2.41	4.80	2.10	4.63	
BL465c G6	2.41	4.80	2.30	4.63	

BL490c G6	2.41	4.80	2.10	4.63	or G5) may be mixed together when using OA firmware 2.41-4.80 and VC firmware 2.30-4.63
BL495c G6	2.41	4.80	2.30	4.63	
BL685c G6	2.41	4.80	2.10	4.63	
BL2x220c G6	2.60	4.80	2.30	4.63	- All G1 to all G6 may be mixed together when using OA firmware 2.60-4.23 and VC firmware 2.30-4.21. - - All G6 (no G1 or G5) may be mixed together when using OA firmware 2.60-4.80 and VC firmware 2.30-4.63
WS460c G6	2.60	4.80	2.30	4.63	
BL2x220c G7	3.11	4.85	3.10	4.63	- All G1 to all G7 (except BL620c G7 and BL680c G7) may be mixed together when using OA firmware 3.11-4.23 and VC firmware 3.10-4.21. - All G6 to all G7 (except BL620c G7 and BL680c G7) (no G1 or G5) may be mixed together when using OA firmware 3.11-4.85 and VC firmware 3.10-4.62
BL460c G7	3.11	4.85	3.10	4.63	
BL465c G7	3.11	4.85	3.01	4.63	
BL490c G7	3.11	4.85	3.10	4.63	
BL685c G7	3.11	4.85	3.01	4.63	
BL620c G7	3.20	4.85	3.15	4.63	
BL680c G7	3.20	4.85	3.15	4.63	
BL420c Gen8	3.50	4.85	3.60	4.63	
BL460c Gen8	3.50	4.85	3.51	4.63	- All G1 to all G7, BL420c Gen8, BL460c Gen8, and BL465c Gen8 may be mixed together when using OA firmware 3.50-4.23 and VC firmware 3.60-4.21. - All G6 to all G7, BL420c Gen8, BL460c Gen8, and BL465c Gen8 (no G1 or G5) may be mixed together when using OA firmware 3.50-4.85 and VC firmware 3.60-4.63
BL465c Gen8	3.50	4.85	3.60	4.63	
BL660c Gen8	3.60	4.85	3.70	4.63	- All G1 to all Gen8 may be mixed together when using OA firmware 3.60-4.23 and VC firmware 3.70-4.21. - All G6 to all Gen8 (no G1 or G5) may be mixed together when using OA firmware 3.60-4.85 and VC firmware 3.70-4.63
WS460c Gen8	3.60	4.85	3.70	4.63	

BL460c Gen9	4.11	4.85	4.30	4.63	All G6 to all Gen8 and the BL460c Gen9 (no G1 or G5) may be mixed together when using OA firmware 4.11-4.85 and VC firmware 4.30-4.63
WS460c Gen9	4.11	4.85	4.30	4.63	see BL460c Gen9
BL660c Gen9	4.11	4.85	4.30	4.63	see BL460c Gen9
BL460c Gen10	4.70	4.85	4.50	4.63	All G6, G7, Gen8, Gen9 and the BL460c Gen10 may be mixed together when using OA firmware 4.70-4.85 and VC 4.50-4.63

Notes:

*1. How to use this table:

- If there is a single type of server in the configuration (both model and generation), find that server in the table and read the minimum and maximum VC and OA versions supported.
- If there are different types of servers in the configuration (whether model or generation differences), find the server that is farthest down in the table and read the mixing support notes for that server. The server mixing notes apply if Virtual Connect is or is not part of the configuration.

*2. Please review the HP Service Pack for ProLiant (SPP), Onboard Administrator, and Virtual Connect firmware advisories and release notes on www.hpe.com/support. For important information when determining the most appropriate firmware versions.

*3. HPE recommends the current firmware whenever possible for maximum compatibility and stability.

*4. [Click here to access the HPE Service Pack for ProLiant \(SPP\) releases and important information.](#)

*5. [Click here to access the HPE Onboard Administrator firmware and important information.](#)

*6. [Click here to access the HPE Virtual Connect firmware and important information.](#)

*7. [Click here to access the Customer Notice](#) "HPE ProLiant Gen9 Servers - Onboard Administrator Firmware Version 4.11 (or Later) Support for Gen9 Server Blades and Potential Issues and Solutions" for additional information.

This document will be updated when more information comes available or new HPE ProLiant server blades are announced.

The vanity URL for this document is: <http://www.hpe.com/info/BladeSystemRecipe>.

Keywords:

HPE BladeSystem, blade, c-Class, cClass, G1, G5, G6, G7, Gen8, Gen9, BL2x220c, BL260c, BL420c, BL460c, BL465c, BL480c, BL660c, ProLiant, c7000, c3000, enclosure, Onboard, Administrator, OA, Firmware, OAtray, OA tray, Virtual, Connect, VirtualConnect, VC, compatibility, compatible, matrix, 1.00, 1.20, 1.32, 2.10, 2.20, 2.30, 2.31, 2.41, 2.60, 3.01, 3.10, 3.11, 3.15, 3.20, 3.50, 3.51, 3.60, 3.70, 4.11, 4.1x, 4.23, 4.2x, 4.30, 4.21, 4.31 BladeSystemRecipe, BladeSystem, Recipe, firmware matrix, firmware recipe, BladeSystem Recipe, BladeSystem firmware Recipe, BladeSystem Matrix, BladeSystem firmware matrix, BladeServer recipe, Blade Server Recipe, 4.40, Virtual Connect firmware 4.40, BL660c Gen9, BL660cGen9, WS460c Gen9, WS460cGen9, BL460cGen10, Gen10, BL460c Gen10, HPE, 4.62, 4.63, 4.50, 4.85, 4.80, 4.70

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