

Oracle UCP CI Composable and XaaS Interoperability Matrix

Hardware							
UCP CI (Release Version)	Release date	v5 November, 2017	v6 July, 2018	v7 October, 2018	v8 Feb, 2019	v9 Aug, 2019	
Management Nodes :							
Components : Hitachi Advanced Server DS120							
BIOS	Version	3A10.H3	3A10.H3	3A10.H3	3A10.H8	3A10.H8	Notes
BMC	Version	3.16.06	3.75.06	3.75.06	4.23.06	4.23.06	
CPID	Version	Rev:03	Rev:03	Rev:03	Rev:03	Rev:03	
GPU Family	Version	SkyLake	SkyLake	SkyLake	SkyLake	SkyLake	
Compute Nodes :							
Components : Hitachi Advanced Server DS220							
BIOS	Version	3A10.H3	3A10.H3	3A10.H3	3A10.H3	3A10.H3	Notes
BMC	Version	3.16.06	3.75.06	3.75.06	4.23.06	4.00.06	
CPID	Version	Rev:03	Rev:03	Rev:03	Rev:03	Rev:03	
GPU Family	Version	SkyLake	SkyLake	SkyLake	SkyLake	CapsLock lake	
Compute Nodes :							
Components : Hitachi Advanced Server DS240							
BIOS	Version	3A01.H3	3A02.H4	3A02.H4	N/A	N/A	Notes
BMC	Version	N/A	3.88.06	4.23.06	N/A	N/A	
CPID	Version	N/A	N/A	N/A	N/A	N/A	
GPU Family	Version	SkyLake	SkyLake	SkyLake	N/A	N/A	
I/O Card Support for DS120/220/240							
Components :							
Network Cards (Options)							
Management Nodes DS120	Firmware	5.51	5.51	5.51	6.0.1	6.0.1	
Intel XXV710 DA4, 25GbE dual port, PCIe	Adapter Driver (ESX)	1.3.1 (inbox driver)	1.3.1 (inbox driver)	1.3.1 (inbox driver)	1.5.6 (inbox driver)	1.5.6 (inbox driver)	
Compute Nodes DS220	Firmware	5.51	5.51	5.51	6.0.2	6.0.2	
Intel XXV710 DA2, 25GbE dual port, PCIe	Adapter Driver (OVN)	1.6.21-k	1.6.21-k	no Oct 2018 release	2.1.54-k (inbox driver)	2.1.54-k (inbox driver)	
	Adapter Driver (O2)	1.2.36	1.2.36	1.2.36	2.1.34-k	2.1.34-k	
	Adapter Driver (RH4)	1.6.21-k	1.2.36	1.2.36	2.1.34-k	2.1.3-k	
Compute Nodes DS240	Firmware	N/A	5.51	5.51	N/A	N/A	
Intel XXV710 DA4, 25GbE dual port, PCIe	Adapter Driver (ESX)	N/A	N/A	no Oct 2018 release	N/A	N/A	
	Adapter Driver (RH4)	N/A	2.1.14-k	2.1.14-k	N/A	N/A	
HBA Controller							
Emulex LP43102 FC HBA - DS120 Management Nodes	Firmware	11.2.156.27	11.2.156.27	11.2.156.27	11.4.204.27	11.4.204.27	
	igfc Driver (ESX)	11.1.0.6	11.1.0.6	11.1.0.6	11.4.341.0	11.4.341.0	
Emulex LP43102 or LP43202 FC HBA - DS120 Compute Nodes	Firmware	11.2.156.27	11.2.156.27	11.2.156.27	11.4.204.25	12.0.193.13(OVM tested, composable supported), 12.2.296.14(composable tested)	
	igfc Driver (OVN)	11.2.0.5	11.2.0.5	no Oct 2018 release	11.4.0.7	11.4.0.7	
	igfc Driver (O2)	N/A	11.2.0.5	11.2.0.5	11.4.0.7	N/A	
	igfc Driver (RH4)	11.1.0.6	11.2.0.6	11.2.0.6	11.4.204.26	12.0.0.3	
Emulex LPe 11002 or LP43202 FC HBA - DS240 Compute Nodes	Firmware	11.4.204.25	11.4.204.25	11.4.204.25	N/A	N/A	
	igfc Driver (OVN)	N/A	N/A	N/A	N/A	N/A	
	igfc Driver (RH4)	11.4.204.26	11.4.204.26	11.4.204.26	N/A	N/A	
RAID Controller							
Broadcom SAS3116 2GB RAID Mizzanelli	Firmware	6.020.00-0910	6.020.00-0910	6.020.00-0910	6.020.00-0910	6.020.00-0910	ESXi 6.5 supported but not tested
	Drive	N/A	N/A	N/A	N/A	N/A	
FC Switches							
Vendor	Models	Firmware Versions	Firmware Versions	Firmware Versions	Firmware Versions	Firmware Versions	Notes
Brocade	6670	v8.0.1	v8.2.0b	v8.2.0b	v8.2.0b	v8.2.0b	
Ethernet Switches							
Vendor	Models	Firmware Versions	Firmware Versions	Firmware Versions	Firmware Versions	Firmware Versions	Notes
Cisco	Nexus 3048	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	
	Nexus 9318DC-EX	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	7.0(3)4(7)	
Storage Models							
	Models	Minimum Microcode Versions	Minimum Microcode Versions	Minimum Microcode Versions	Minimum Microcode Versions	Minimum Microcode Versions	Notes
VSP	S400	83-04-47	83-04-47				
	S600	83-04-47	83-04-47				
	S800	83-04-47	83-04-47				
	F400	83-04-47	83-04-47				
	F600	83-04-47	83-04-47				
	F800	83-04-47	83-04-47				
	G300	N/A	88-01-03	88-02-03-20/00			
	G700	N/A	88-01-03				
	G900	N/A	88-01-03	88-02-03-60/00		88-02-03-60/00	
	F130	N/A	88-01-03	88-02-03-20/00			
	F370	N/A	88-01-03				
	F700	N/A	88-01-03	88-02-03-60/00			
	F800	N/A	88-01-03	88-02-03-60/00		88-02-03-60/00	
	G1500	N/A	180	88-06-41-00/00	N/A	N/A	Testing underway at the time this matrix published
	F1500	N/A	180	88-06-41-00/00	N/A	N/A	Testing underway at the time this matrix published
Software							
Vendor	Component	Versions	Versions	Versions	Versions	Versions	Notes
Hitachi	ESXi	6.5.0 Build 4887370	6.5.0 Build 6765664	Version 6.5.0 Build 6765664	6.7.0 Build 10302608	6.7.0 Build 10302608	
	NetCenter (NCSA)	6.5.0 Build 4887370	6.5.0 Build 7515524	6.5.0 Build 7515524	6.7.0 Build 10302608	6.7.0 Build 10302608	
	OS	1.4	1.4	1.5	1.5	1.6	
Oracle	OL (Oracle Linux)	3.4	3.4	no Oct 2018 release	3.4	N/A	
	Oracle VM Server	3.4.4	3.4.4	no Oct 2018 release	3.4.5	3.4.6	
Oracle for XaaS	OS on VMs	Any supported by Oracle	Any supported by Oracle	Any supported by Oracle	Any supported by Oracle	Any supported by Oracle	
	Oracle ZFS	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0), 18.4.0.0(Oracle for XaaS)	
	Oracle Real Application	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0), 18.4.0.0(Oracle for XaaS)	
	Oracle Grid Infrastructure	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0)	12c Release 1 (12.1.0.2.0), 18.4.0.0(Oracle for XaaS)	
Hitachi Command Suite	OS	8.5.2	8.5.2	8.6.1.00	8.6.1.00	8.6.1.01	
Hitachi Automation Director (HAD)	OS	8.5.2.03	8.5.2.03	8.6.1.00	8.6.1.00	8.6.1.01	
Hitachi Storage Advisor (HSA)	OS	1.1	1.1	1.1	1.1	1.1	
Hitachi Infrastructure Analytics Advisor (HIAA)	OS	2.1	2.1	4.0.0.00	4.2.0.01	4.4.0.00	
Hitachi Data Center Analytics (HDCA) Server	OS	8.1	8.1	9.1.0.01	9.2.0.01	9.4.0.00	
Hitachi Data Center Analytics Probe Server	OS	8.1	8.1	9.1.0.01	9.2.0.01	9.4.0.00	
Manager for Hitachi adapters for Oracle Database	OS	2.0.0	2.0.0	2.2.3	2.2.3	Not supported	Due to issues with current quarter FW release
Hitachi Storage Adapter for Oracle Enterprise Manager	OS	2.0.0	2.0.0	2.2.3	2.2.3	Not supported	Due to issues with current quarter FW release
Hitachi Server Adapter for Oracle Enterprise Manager	OS	2.0.0	2.0.0	2.2.3	2.2.3	Not supported	Due to issues with current quarter FW release
Oracle Enterprise Manager Cloud Control 13c	OS	13c Release 2 (13.2.0.0)	13c Release 2 (13.2.0.0)	13c Release 2 (13.2.0.0)	13c Release 2 (13.2.0.0)	13c Release 2 (13.2.0.0)	
Oracle Enterprise Manager Cloud Control 13c plug-ins	OS	13c Release 2	13c Release 2	13c Release 2	13c Release 2	13c Release 2	