

PSN # PSN020640u **Avaya Proprietary – Use pursuant to the terms of your signed agreement or company policy.**

Original publication date: 29-Oct-24. This is Issue #02, published date: 21-Nov-24
 Severity/risk level: High
 Urgency: Immediately

Name of problem: PSN020640u - Avaya Solutions Platform R6.0.x Introduction

Products affected

- Avaya Solutions Platform 130, R6.0.x
- Avaya Solutions Platform S8300, R6.0.x
- Avaya Solutions Platform 110, R6.0.x

Problem description

Ensure that you are signed up for Avaya E-notifications so that you will be notified when new issues of this PSN are posted.

This PSN is informational only.

The Avaya Solutions Platform (ASP) R6.0.x program introduces a new hypervisor and updated Server hardware. In June 2024, Broadcom made the strategic decision to discontinue its Embedded OEM program. As Avaya is an Embedded OEM partner of VMware, this decision impacted the ASP 130 and ASP S8300 solutions as they relied on VMware for the underlying hypervisor. This led to the necessity of identifying a new hypervisor. The ASP R6.0.x program will introduce *KVM on Red Hat Enterprise Linux 8.10*.

To ensure your continued success

- We're committed to providing ongoing support for customers on R5.X with a detailed matrix for hardware and software support.
- For customers using ASP 5.1.x: Broadcom will continue to deliver critical security patches for VMware ESXi 7.0 through 3QCY2025. [Reference Announcing End of Support Life for vSphere 7.x.](#)
- For customers with ASP 130 (Dell R640) and ASP S8300 5.1.x: We offer a smooth migration path to ASP 6.0 KVM on RHEL 8.10, allowing you to leverage your existing Dell R640 hardware.
- For customers on ASP R4.x, ASP R5.0.x, and AVP: Your best path forward is to migrate to ASP R5.x is no longer available for purchase.

In addition to the new hypervisor, ASP R6.0.x will also introduce an updated server hardware platform for ASP 130 with the Dell R660xs and an updated server hardware platform for ASP 110 (bare metal) with the Dell R360.

	Dell R660XS XL			
	Intel Emerald Rapids CPUs			
Appliance Constructs	A1 (replaces Dell R640 P2)	A2 (replaces Dell R640 P3)	A3 (replaces Dell R640 P5)	A31 (replaces Dell R640 P51)
Rack Mount Unit (RMU)	1U	1U	1U	1U
Intel CPU	4510	4510	6526Y	6526Y
Number of CPUs	1	2	2	2
Number of Cores/Server	12	24	32	32
Core Frequency (GHz)	2.4	2.4	2.8	2.8

BIOS Boot Mode	UEFI	UEFI	UEFI	UEFI
Number of Fans	5	7	7	7
Number of 16 GB RDIMMs	4	8	16	16
Memory/Server in GB	64	128	256	256
10K 2.5" SAS HDD Size GB	600	600	600	600
Number of HDDs 2.5" 10K SAS	5	6	6	8
RAID Options	5	6	6	6
Usable Virtual Disk Capacity	1726GiB/ 1853GB	1726GiB/ 1853GB	1726GiB 1853GB	2619GiB/ 2812GB
Network 1 Gb ports (Base-T)	2(onboard)	2(onboard)	2(onboard)	2(onboard)
Network 1 GB ports (Base T-OCP3)	4	4	4	4
Network 1/10/25 Gb ports (BCM57414)	0	0	2	2
TPM	Yes	Yes	Yes	Yes
Power Supplies (750W)	2	2	2	2
Rail Kit	Y	Y	Y	Y
DVD-ROM Drive	N	N	N	N

Single CPU Dell R640 Profile 4 does not carry forward with an R660xs profiled equivalent.

All ASP 6.0 solutions (ASP 130 and ASP S8300) will exclusively be available with the new KVM on RHEL 8.10 hypervisor. **ASP R6.0.x will never be offered with VMware ESXi as the hypervisor. Installation of ASP 5.x and earlier (ESXi) is not supported on the Dell R660xs.**

To ensure minimal impact to the existing customer base, Avaya has developed a migration path from earlier versions of ASP that ran on VMware to the new hypervisor *KVM on RHEL 8.10*.

In addition, Broadcom has committed to provide critical security updates for currently installed ASP 5.1.x systems until October 2025.

Note:

Application sizing in Avaya OneSource Configurator (A1SC) is not yet updated to the new hardware and hypervisor platform. Contact ASP Product Manager for additional information. This PSN will be updated when the A1SC rules are in place.

Once rules are available in A1SC, it is imperative that only Avaya ASP certified applications be deployed on ASP servers. A1SC is required to be utilized for ordering for new installs, migrations, additions of applications. If A1SC results in multiple servers, applications must be deployed based on the configurator output.

It is possible that in a migration scenario, additional hardware may be needed to support application performance.

ASP R4.0/5.x (R640) ESXi software migration to ASP 130 6.0.x (Dell R640 or new Dell R660xs) requires ordering appropriate material codes.

- 434562 ASP 120 AVP UPG ASP 130 R6 RHEL LIC
- 434563 ASP 130 R4 UPG ASP 130 R6 RHEL LIC
- 434495 ASP 130 R5 UPG ASP 130 R6 RHEL LIC

Ordering of any above three codes will trigger the following 434496 ASP 130 R6 RHEL LIC (not orderable, this is an entitlement) which will be present in the customer record.

NOTE: We are aware that a hardware upgrade kit will be necessary for certain DELL R640 server profiles. We will keep you informed on the status of the kit and its expected availability through this PSN.

ASP S8300 R5.1.x ESXi software migration to ASP S8300 R6.0.x requires ordering appropriate material codes.

- 434559 ASP S8300 AVP UPG ASP S8300 R6 RHEL LIC
- 434560 ASP S8300 R5 UPG ASP S8300 R6 RHEL LIC

Ordering of any above two codes will trigger the following 434561 ASP S8300 R6 RHEL LIC (not orderable, this is an entitlement) which will be present in the customer record.

ASP 130 R6.0.x new order material codes:

- 700519836 ASP 130 DELL R660 HYPERVISOR A1 SERVER BUNDLE
- 700519837 ASP 130 DELL R660 HYPERVISOR A2 SERVER BUNDLE
- 700519838 ASP 130 DELL R660 HYPERVISOR A3 SERVER BUNDLE
- 700519839 ASP 130 DELL R660 HYPERVISOR A31 SERVER BUNDLE

ASP S8300 R6.0.x new order material codes:

- 700520308 S8300E R6 PRELOADED TAA
- 700520309 S8300E R6 PRELOADED

ASP 110 R6.0.x new order material codes:

- 700519834 ASP 110 DELL R660 SRVR A2 IPO
- 700519835 ASP 110 DELL R660 SRVR A2 AEP
- 700519832 ASP 110 DELL R660 SRVR A2 ASBCE
- 700519833 ASP 110 DELL R660 SRVR A3 ASBCE
- 700519840 ASP 110 DELL R660 SRVR A3 AAMS
- 700519870 ASP 110 DELL R360 MIDRANGE SRVR SBC
- 700519871 ASP 110 DELL R360 MIDRNG SRVR SBC IPO

Summary:

- ASP 130 R6.0.x and ASP S8300 R6.0.x are turnkey, pre-configured hardware solutions.
- ASP R6.0.x introduces the Dell R660xs server as a replacement for the Dell R640 and Dell R360 as the replacement for the Dell R340.
- ASP R6.0.x introduces support for *KVM on Red Hat Enterprise Linux (RHEL) 8.10* for existing customers on Dell R640s as well as Avaya S8300s who want to move from VMware ESXi 7.x, which is targeted to go End-of-Support in October 2025.
- ASP R6.0 Dell R660xs servers will only support KVM on RHEL. They will not be supported with VMware (ESXi).
- Migrations plans will be published detailing how to migrate from existing ASP servers running on ESXi to the new *KVM on RHEL*.

Resolution

n/a

Workaround or alternative remediation

n/a

Remarks

Issue 1: Original publication October 29, 2024.
Issue 2, November 21, 2024: Usable Virtual Disk Capacity updated.
Issue 3, November 21, 2024: Number of HDDs updated for profiles A1 and A2.

Patch Notes

The information in this section concerns the patch, if any, recommended in the Resolution above.

Backup before applying the patch	
Always.	
Download	
n/a	
Patch install instructions	Service-interrupting?
n/a	No
Verification	
n/a	
Failure	
n/a	
Patch uninstall instructions	
n/a	

Security Notes

The information in this section concerns the security risk, if any, represented by the topic of this PSN.

Security risks
n/a
Avaya Security Vulnerability Classification
n/a
Mitigation
n/a

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