

Q&A Session for Enterprise Linux on Power Marketplace, Trends and Directions

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Q: Is CentOS being included in the "Red Hat" slice?

Priority: N/A-

-Steven Roberson (External) - 16:25

A: CentOS is part of the Rest of the OS category as far as I know.-

-Tony Pearson (External) - 16:33

A: Steven, CentOS is the free version of RHEL. Since the chart is focused only on "paid" versions of OS, CentOS would not show up anywhere in the chart.-

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Q: Why is canonical no longer supporting UBUNTU on PowerVM ?

Priority: N/A-

-Steven Roberson (External) - 16:23

A: We literally had no business opportunities for PowerVM on Ubuntu. The last version supporting PowerVM was 16.04 and was minimally used.-

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Q: If we have an ELA already with Red Hat can we get Linux on Power under that existing ELA?

Priority: N/A-

-Steven Roberson (External) - 16:24

A: Work with the Red Hat Sales, but that is the idea. Power should be able to be added to an existing ELA if the opportunity is good enough.-

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Q: can you run RHEL LPARs and AIX LPARs on the same HW? or do you have to have all LPARs dedicated to RHEL or AIX ?

Priority: N/A-

-Laurent Montaron (External) - 16:19

A: Yes you can run RHEL, AIX, and IBM i LPARs simultaneously on the same HW virtualized by PowerVM. In fact is it very common for a end-user to mix. -

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Q: that is a big/little endian question

Priority: N/A-

-Laurent Montaron (External) - 16:21

A: POWER processors support a mix of little endian and big endian partitions seamlessly.-

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Q: But it should run? as we have a major customer who wants to run it on POWER9 and PowerVM is the natural way of running it for them

Priority: N/A-

-Steven Roberson (External) - 16:30

A: It should run, but is not officially supported by IBM-

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Q: If a client purchases RHEL 7 and needs the Alt version, where do they get it from? Is it shipped to them, or do they download from somewhere?  
Priority: N/A-

-Steven Roberson (External) - 16:28

A: If you purchase an AC922 or IC922 and you wanted to purchase the OS through IBM, for RHEL you would only have the option of RHEL 7.6 alt. You would get a registration card that would allow you to download the code from Red Hat.-

-Steven Roberson (External) - 16:29

A: If you are buying directly from Red Hat, you would choose the Power 9 version. When RHEL 8.1 supports Nvidia, there will just be one version to choose.-

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Q: Is the Red Hat Virtualization Manager(RHV-M) mandatory when having Red Hat Virtualization(RHV) on POWER?

Priority: N/A-

-Steven Roberson (External) - 16:40

A: I believe RHV-M is not mandatory, but I am happy to follow up on that for you.-

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Q: customers with power9 and redhat 7 will run out of support in November?

Priority: N/A-

-Steven Roberson (External) - 16:34

A: Support will run out for RHEL 7.6 alt in November with our AC922 and IC922 (GPU) servers. If you are using our POWER9 servers running PowerVM (E980, E950, S922, etc,), then you can use the standard RHEL 7 version until 2024 if you have the extended support-

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Q: so to confirm we can run RHEL 7 and AIX 7 on Power 9 HW using LPARs

Priority: N/A-

-Laurent Montaron (External) - 16:27

A: Yes if you are on a POWER9 systems that supports AIX, it also supports RHEL partitions-

-Steven Roberson (External) - 16:31

A: Yes using the RHEL 7 classic release with our servers running PowerVM-

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Q: do we have to have PowerVM to create? or does it just help? is PowerVM a requirement to run RHEL LPAR on Power 9 ?

Priority: N/A-

-Laurent Montaron (External) - 16:24

A: You can run RHEL on both PowerVM POWER9 models and Baremetal/KVM POWER9 models.-

-Laurent Montaron (External) - 16:25

A: If you wish to mix AIX and RHEL on the same system, you need to purchase a POWER9 model that supports PowerVM. IF you only want to run RHEL, any POWER9 system will work.-

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Q: Intel Optane memory will be used for persistent memory ??

Priority: N/A-

-Steven Roberson (External) - 16:38

A: 3DXpoint is being looked at for future use, but today we have other persistent memory options depending on your workload.-

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Q: Question on Virtual PMEM. I recongized that change or add more PMEM devices is only possible when the VM is shutdown. Is there a change planned in the future?

Priority: N/A-

-Asim Khan (External) - 16:41

A: Hi, Yes this is plan to introduce this functionality dynamically, we are also working with SAP to help support the dynamic changes in memory allocation to SAP HANA DB-

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Q: is it possible to migrate from SuSE SAP/HANA TDI server to Red Hat SAP/HANA on IBM Power server?

Priority: N/A-

-Laurent Montaron (External) - 16:36

A: Yes as long as you move from a supported combination to a supported combination and follow supported processes.-

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Q: SAP Hana on AIX is supported ??

Priority: N/A-

-Alexander Abderrazag (IBM) - 16:33

A: Only on Linux, Ravi-

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Q: Which is best for customer to use Sap Hana on AIX or SAP Hana on Linux ?

Priority: N/A-

-Asim Khan (External) - 16:51

A: SAP HANA DB is only supported by SAP using Linux (SUSE or RedHat), the netweaver application layer is supported using Linux and AIX-

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Q: We have only a test lpar running RHEL 7.2 LE on p8. Most (all) apps that would run on RHEL for x86 would need to be recompiled to run on Power even if Little Endian, yes?

Priority: N/A-

-Steven Roberson (External) - 16:39

A: Basically, well coded apps will just need a recompile to run on Power. We have found that less than 5% of apps need any additional work.-

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Q: re: vPMEM. what are the requirements for that? my two PowerVM'ed E950's with RHEL 8 + SAP Hana don't allow me to add vPMEM. what I'm missing?

Priority: N/A-

-Asim Khan (External) - 16:46

A: Hi, The functionality is available on the POWER9 system .... there are some pre-requisites mentioned in the following whitepaper: [https://www-](https://www-03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/$FILE/v-)

[03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/\\$FILE/v-](https://www-03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/$FILE/v-)

-Asim Khan (External) - 16:47

A: It is currently supported with SLES15 SP1, from RHEL perspective this support is planned for availability with RHEL 8.2 -

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Q: is there a redpaper/redbook for setting up persistent memory fo rSAP HANA?

Priority: N/A-

-Asim Khan (External) - 16:44

A: [https://www-](https://www-03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/$FILE/vPMEM-SAPHANA-Whitepaper-V1.0.pdf)

[03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/\\$FILE/vPMEM-SAPHANA-Whitepaper-V1.0.pdf](https://www-03.ibm.com/support/techdocs/atsmastr.nsf/002573f7000ac64286256c71006d2e0a/c32b40501f4f76c886257de0004fa1d4/$FILE/vPMEM-SAPHANA-Whitepaper-V1.0.pdf) is the whitepaper that explains how to use Virtual PMEM on IBM Power Systems for SAP HANA-

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Q: Can you mix Viya on intel with Viya on Power? i.e. some nodes on each?

Priority: N/A-

-Laurent Montaron (External) - 16:56

A: To a limited extent, but this is not a deployment model we support officially as of today-

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Q: Is Viya deployed as containers ?

Priority: N/A-

-Laurent Montaron (External) - 16:55

A: Starting with Viya 4 the default deployment mode will be containers in OpenShift v4-

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Q: Is the same snapshot feature is available in Power 8 & 9

Priority: N/A-

-ANGELA FRESNE (IBM) - 16:59

A: We will post the Q&A of the session and include the reply to your question. -

-Laurent Montaron (External) - 17:00

A: If you are referring to the ability to capture images, the answer is yes-

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Q: Viya will be supported on Hybrid Cloud ?

Priority: N/A-

-Laurent Montaron (External) - 16:58

A: Yes-

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Q: How licensing works for Viya ?

Priority: N/A-

-Laurent Montaron (External) - 17:01

A: SAS uses a core-based licencing but they signalled they may be transitioning to a new licensing model-

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Q: Viya integration with Automation ?

Priority: N/A--

A: Ansible is third-party software that provides automation and flexibility for deploying software to multiple machines. Ansible is used to deploy and manage SAS Viya installations. Clients install Ansible on their own, and the Ansible playbook is provided by SAS following the purchase of the SAS Viya license.

A typical Ansible deployment consists of at least one control machine (the Ansible controller) and multiple Ansible managed nodes (the machines where SAS software is installed). In a single-machine deployment, Ansible and all SAS software are installed on the Ansible controller. Ansible is used for the initial deployment of the SAS Viya environment, including the CAS server. Ansible is used to add a new CAS server.

You must install a supported version of Ansible. SAS Viya requires Ansible version 2.7.2 through 2.9.x. The Ansible controller machine must be connected to the Red Hat Network.

The Ansible installation process is documented at [http://docs.ansible.com/ansible/latest/intro\\_installation.html](http://docs.ansible.com/ansible/latest/intro_installation.html). You should always follow the Ansible documentation and choose the installation method that works best for your IT environment. Not all versions of Ansible that are available for installation are supported by SAS Viya. For a list of supported Ansible versions, see: <https://support.sas.com/en/documentation/third-party-software-reference/viya/35/support-for-operating-systems.html#ansible>.

The SAS Viya Administration Resource Kit (SAS Viya ARK) provides additional Ansible playbooks and other tools that can assist in a deployment or upgrade. For example, playbooks are available to help prepare your environment before a deployment or upgrade or to complete required steps after a deployment or upgrade. Because playbooks automate a series of manual steps, using them can save time. To learn more, go to SAS Viya Administration Resource Kit (SAS Viya ARK). See the README for each playbook or tool to understand what is supported and how and when to use it.

For additional details about how to use Ansible with SAS Viya deployments, see the SAS Viya 3.5 Linux Deployment Guide: [Link](#)

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