

December Newsletter

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Best wishes for a safe '21 and a big thanks to all our friends and colleagues for all the support as we got up and running this year. Looking forward to continuing to work together in '21.

The end of an era...

The December issue of IBM Systems magazine is the final issue of the magazine as IBM is consolidating all client communications to the IBM Communities page.

The last edition has articles on:

- IBM infrastructure and hybrid cloud solutions
- IBM i roadmap to 2032
- AIX and IBM i Security update

See:

http://www.ibmssystemsmagpowersystemsdigital.com/msp-comm/ibmsystemsmag/ibmsystems_power_202012/index.php#/p/Intro

What's new in HMC V9 R2 M950

This release brings a range of new options for Systems Management, Virtualisation and support for the Cloud Management Console.

Summary of new features:

- A platform keystore, which provides a secure space in NVRAM to store encryption keys etc
- The HMC can now validate the readiness of a VIO Server for maintenance by checking the redundancy / availability of the virtual adapters. There is also the option to backup, restore and manage the VIO Server configurations on the HMC
- Live Partition Mobility (LPM) can now utilise up to 8 threads.
- The HMC GUI now supports the DLPAR of vSCSI and vFC adapters in

VIO Server / Client partitions and more detailed display of reference codes.

- Some security improvements – including the removal of TLS 1.1 support.
- Dedicated processor support in Enterprise Pools 2.0 has been enabled for Cloud Management Console.

Note: HMC V9 R2 is not supported on the x86 Hardware appliance. However IBM continues to support the ppc64le Hardware appliance (7063-CR1) and the Virtual HMC appliance (both x86 and ppc64le).

IBM Support pages for upgrading:

vHMC on x86: Upgrading the HMC from Version V9R1 to V9R2M950

<https://www.ibm.com/support/pages/node/6372280>

Model 7063 and vHMC for PowerVM:

Upgrading the HMC from Version V9R1 to V9R2M950

<https://www.ibm.com/support/pages/node/6371902>

For more details see Hariganesh Muralidharan's blog:

<https://community.ibm.com/community/user/power/blogs/hariganesh-muralidharan1/2020/12/02/whats-new-in-hmc-v9-r2-m950?CommunityKey=71e6bb8a-5b34-44da-be8b-277834a183b0>

Vulnerabilities in Perl on AIX

IBM has just published a warning about a warning about a vulnerability in Perl on AIX (See <https://lnkd.in/gkt57rD>).

Versions affected:

AIX 7.1, 7.2
VIOS 3.1
With the following filesets vulnerable:
perl.rte 5.20.1.0 to 5.20.1.3
perl.rte 5.28.1.0 to 5.28.1.3

AIX
7.1.5 IJ26985
7.2.3 IJ26986
7.2.4 IJ26985
VIOS
3.1.0 IJ26986 ** N/A key_w_apar
3.1.1 IJ26985 ** N/A key_w_apar
Efices are available (See <https://lnkd.in/gj7WXEh>)

APARs created:

In case you missed

The Spectrum Scale Group has published a summary of the development blogs and Redpapers for the past half year (Thanks to Wei G Gong).

- What's New in Spectrum Scale 5.1.0?
<https://www.spectrumscaleug.org/event/ssugdigital-what-is-new-in-spectrum-scale-5-1/>
- Spectrum Scale User Group Digital (SSUG::Digital)
<https://www.spectrumscaleug.org/introducing-ssugdigital/>
- Cloudera Data Platform Private Cloud Base with IBM Spectrum Scale
<http://www.redbooks.ibm.com/abstracts/redp5608.html?Open>
- Implementation Guide for IBM Elastic Storage System 5000
<http://www.redbooks.ibm.com/abstracts/sg248498.html?Open>
- IBM Spectrum Scale and IBM Elastic Storage System Network Guide
<http://www.redbooks.ibm.com/abstracts/redp5484.html?Open>
- Deployment and Usage Guide for Running AI Workloads on Red Hat OpenShift and NVIDIA DGX Systems with IBM Spectrum Scale
<http://www.redbooks.ibm.com/abstracts/redp5610.html?Open>
- Privileged Access Management for Secure Storage Administration: IBM Spectrum Scale with IBM Security Verify Privilege Vault
<http://www.redbooks.ibm.com/abstracts/redp5625.html?Open>
- IBM Storage Solutions for SAS Analytics using IBM Spectrum Scale and IBM Elastic Storage System 3000 Version 1 Release 1
<http://www.redbooks.ibm.com/abstracts/redp5609.html?Open>
- IBM Spectrum Scale configuration for sudo based administration on defined set of administrative nodes
<https://community.ibm.com/community/user/storage/blogs/sandeep-patil1/2020/07/27/ibm-spectrum-scale-configuration-for-sudo-based-administration-on-defined-set-of-administrative-nodes>
- Its a containerised world - AI with IBM Spectrum Scale and NVIDIA
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/10/01/its-a-containerized-world>
- Optimise running NVIDIA GPU-enabled AI workloads with data orchestration solution
<https://community.ibm.com/community/user/storage/blogs/pallavi-galgali1/2020/10/05/optimize-running-nvidia-gpu-enabled-ai-workloads-w>

- Building a better and more flexible data silo should NOT be the goal of storage or considered good
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/10/07/building-a-better-and-more-flexible-silo-is-not-mo>
- Do you have a strategy to solve BIG DATA problems with an AI information architecture?
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/10/07/are-you-solving-big-problems>
- IBM Storage a Leader in 2020 Magic Quadrant for Distributed File Systems and Object Storage
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/10/21/ibm-storage-a-leader-in-2020-magic-quadrant-for-di>
- Containerized IBM Spectrum Scale brings native supercomputer performance data access to Red Hat OpenShift
<https://community.ibm.com/community/user/storage/blogs/matthew-geiser1/2020/10/27/containerized-ibm-spectrum-scale>
- Cloudera now supports IBM Spectrum Scale with high performance analytics
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/10/30/cloudera-spectrum-scale>
- IBM Storage at Supercomputing 2020
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/11/03/ibm-storage-at-supercomputing-2020>
- Empower innovation in the hybrid cloud
<https://community.ibm.com/community/user/storage/blogs/iliana-garcia-espinoza1/2020/11/17/empower-innovation-in-the-hybrid-cloud>
- HPCwire Chooses University of Birmingham as Best Use of High Performance Data Analytics and AI
<https://community.ibm.com/community/user/storage/blogs/peter-basmajian/2020/11/18/hpcwire-chooses-university-of-birmingham-as-best-u>
- I/O Workflow of Hadoop workloads with IBM Spectrum Scale and HDFS Transparency
<https://community.ibm.com/community/user/storage/blogs/chinmaya-mishra1/2020/11/19/io-workflow-hadoop-hdfs-with-ibm-spectrum-scale>
- Workflow of a Hadoop Mapreduce job with HDFS Transparency & IBM Spectrum Scale
<https://community.ibm.com/community/user/storage/blogs/chinmaya-mishra1/2020/11/23/workflow-of-a-mapreduce-job-with-hdfs-transparency>
- Hybrid cloud data sharing and collaboration with IBM Spectrum Scale Active File Management
<https://community.ibm.com/community/user/storage/blogs/nils-haustein1/2020/12/08/hybridcloud-usecases-with-spectrum-scale-afm>
- NOW certified: IBM Software Defined Storage for IBM Cloud Pak for Data
<https://community.ibm.com/community/user/storage/blogs/david-wohlford1/2020/12/11/ibm-cloud-paks-now>

- Resolving OpenStack dependencies required by the Object protocol in versions 5.1 and higher
<https://community.ibm.com/community/user/storage/blogs/brian-nelson1/2020/12/15/resolving-openstack-dependencies-needed-by-object>
- Benefits and implementation of IBM Spectrum Scale\u2122 sudo wrappers
<https://community.ibm.com/community/user/storage/blogs/nils-haustein1/2020/12/17/spectrum-scale-sudo-wrappers>
- Introducing Storage Suite Starter for Containers
<https://community.ibm.com/community/user/storage/blogs/sam-werner1/2020/12/17/storage-suite-starter-for-containers>

IBM Power Systems VUG meeting

On December 10, 2020, Nigel Griffiths talked about What is New in AIX

<https://ibm.box.com/v/PSVUGWhatsNewAIX12-10-2020>

Redbooks and Redpapers

- IBM Storage for Red Hat OpenShift Blueprint. Blueprint published 18 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/redp5565.html?Open>
- IBM Power Systems Private Cloud with Shared Utility Capacity featuring Power Enterprise Pools 2.0. Draft Redbooks, last updated 17 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedpieceAbstracts/sg248478.html?Open>
- Cloudera Data Platform Private Cloud Base with IBM Spectrum Scale. Draft Redpaper, last updated 17 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedpieceAbstracts/redp5608.html?Open>
- Red Hat OpenShift V4.X and IBM Cloud Paks on IBM Power Systems Volume 2. Draft Redbooks, last updated 16 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedpieceAbstracts/sg248486.html?Open>
- Implementing the IBM System Storage SAN Volume Controller with IBM Spectrum Virtualize Version 8.4. Draft Redbooks, last updated 10 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedpieceAbstracts/sg248491.html?Open>
- Implementation Guide for IBM Elastic Storage System 5000. Redbooks, published 8 Dec 2020
<http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg248498.html?Open>

Best wishes to everyone for a better 2021 and keep safe,
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