

## May Newsletter

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Greetings all,

I trust you are keeping well and looking forward to the Power10 Scale Out and Midrange Launch in July?

A few updates to share

- The Redbook “IBM Power Systems High Availability and Disaster Recovery Updates: Planning for a Multicloud Environment” has gone through the editorial process and is now available (see below). The team did a great job on it, we hope that you will find it a useful reference / starting point.
- Thanks for those that supported my request for an improvement on the PowerVS Java Console (primarily so we can do some troubleshooting during the boot process) – it has been re-opened and it is now being seriously looked at.
- You will no doubt have seen lots of warnings about the upcoming changes in IBM’s electronic fix distribution / Customer Care / Fix Central Systems on 4<sup>th</sup> June. If not, check this [link](#) as you will have to make some changes at your end.
- I was interested to read that a recent Spiceworks study showed that although around 95% of organisations have a DR plan, about 23% of them have never tested it. Now might be a good time to review your DR test plan and schedule a test window. We also recommend that you look at automating your plan – and would be happy to help you with this task.
- IBM Support has published an update of timeline of what is new in Support. [Link](#).
- IBM developer has launched three new curated newsletters – if you are interested check this [link](#) to manage your subscriptions.
- We had a very well attended ASEAN Power meetup last month, that focused on IBM i. Please let us know if there are any topics you would like to see covered in a coming meetup. We hope to be able to hold these in the future for the Singaporean attendees.

### Quick bites

#### **Guide to Containers and Pods**

An ebook by Seth Kenlon that walks you through the technology, showing them to be more than just mimicking virtual machines.

[Link](#)

#### **A Look at IBM i 7.5 and Merlin**

In the latest iTalk podcast with Paul Tuohy, IBM's Alison Butterill and Steve Will discuss Db2 improvements in IBM i 7.5, along with how Merlin will help clients modernise their applications.

[Link](#)

## **IBM i 7.5 and IBM i 7.4 TR6 Announcements: Hidden Gems**

Dawn May highlights her favourite hidden gems from IBM i 7.5 and IBM i 7.4 TR6 announcements.

[Link](#)

## **Filtering IP Addresses With AIX IPSec**

Do you need to block a specific IP address or host from accessing your AIX system? One approach is to use AIX IP security (IPSec) to filter specific IP addresses. Chris Gibson gives a comprehensive overview.

[Link](#)

## **IBM Cloud Data Centre Closures**

As part of the data centre modernisation strategy for IBM Cloud, several data centres and PODs are scheduled to consolidate in late 2022 and early 2023. The following ones in the AP region are part of this consolidation:

<b>Location</b>	<b>DC Closing</b>	<b>Recommended alternatives</b>	<b>Cutover deadline</b>
Hong Kong	HKG02	SNG01, TOK02, TOK04, TOK05	28 October 2022
Seoul	SEO01	SNG01, TOK02, TOK04, TOK05	28 October 2022

[Details.](#)

## **Migrating LPARs to the Cloud**

In this new video from IBM Champion Rob McNelly, discussed key considerations, solutions and next steps for moving LPARs to the cloud.

[Link](#)

## **Tips on the HMC, VIOS, LPAR and More**

IBM Champion Rob McNelly highlights HMC, VIOS, LPAR, AIX 7.2 and 7.3 tips, and more.

[Link](#)

## **OpenShift Hardening**

If OpenShift is your thing and you are concerned about security aspects, have a look at this case study prepared by Pradipta Banerjee.

[Open on LinkedIn](#)

## **IBM Cloud training at no cost**

All training and certification preparation courses offered through the IBM Centre for Cloud Training (ICCT) will be available at no charge to anyone, anywhere.

This program expansion is an important step to help individuals accelerate their professional development, while furthering their organisation's advancement in cloud environments.

[Link](#)

## In case you missed ....

- **The Latest with IBM i and Power (Common)**  
In this webcast, Steve Sibley, IBM Power Vice President of Product Management, and Steve Will, IBM i Chief Architect, detail the latest with IBM i and Power and what the newest capabilities mean for your business.  
[Link](#)
- **The Latest on IBM i Security and Db2 for i**  
In this webcast, IBM Champion Carol Woodbury and Db2 for i Business Architect Scott Forstie detail the latest capabilities with platform security and database capabilities.  
[Link](#)
- **Streamline Application Development and Modernization on IBM i**  
In this webcast, Philippe Magne, Chief Executive Officer of ARCAD Software, and Steve Will, IBM i Chief Architect, showcase new capabilities to streamline application development and modernisation on IBM i.  
[Link](#)
- **Announcing IBM i 7.5, 7.4 TR6, IBM i Merlin**  
On May 3, IBM unveiled the next major release of IBM i 7.5, as well as a new technology refresh (IBM i 7.4 TR6) and a brand new product called Merlin. Get the details on this announcement from Steve Will in his new "You and i" blog.  
[Link](#)
- **Announcing Merlin: The Wizard of All Wizards in the IBM i Ecosystem**  
Merlin is poised to bring IBM i application development into the modern, cloud-centric world. Get the details on the latest announcement in this TechTalk podcast with Tim Rowe and Charlie Guarino.  
[Link](#)
- **SAP on IBM i webcast: Smart Data Integration with JT400 and a Camel**  
If you missed this webcast, the replay is available by emailing [ibmsapevents@ibm.com](mailto:ibmsapevents@ibm.com) with your name, company name, country, and requested e-mail address (if different from the sender), as well as the webcast title.
- **ASEAN Power (AIX, i Linux) Group**  
If you missed the April session (**Speeding Up Your RPG and SQL** with Simon Hutchinson; Kristian Milos on **what is and what it is to be an IBM Champion** and **IBM i Performance Analysis with Performance Data Investigator Tool - Finding answers to 5 basic performance questions** with SATID SINGKORAPOOM), the presentations and recording are now available from the IBM community.  
[Link](#)

## Coming soon

- **July Power10 Scale Out and Midrange launch**  
Get ready for this exciting event, details coming shortly.

- **IBM Elastic Storage System (ESS) Webinar: Disk Drive Replacement**  
Register for the free-of-charge IBM Elastic Storage System (ESS) Webinar that discusses Disk Drive Replacement.  
Date: Thursday June 9  
Time: 15:00 – 16:00 UTC +10  
[Link](#)
- **May Power Virtual User Group (VUG)**  
This meeting was delayed to avoid conflict with COMMON POWERup. This VUG will cover Db2 Web Query for IBM i. The session will be hosted by Doug Mack. Doug is a Db2 for i Analytics Consultant in IBM's Systems Lab Services organisation and he serves as Db2 Web Query Product Manager and leads the consulting team providing Db2 for i expertise. He will provide an overview of web query with use cases and time for questions.  
[Register](#)
- **IBM Singapore Spectrum Scale User Event**  
Date: Wednesday, 15 June  
Time: 09:00 to 15:00 UTC +8  
IBM Studios, MBFC Tower 2  
10 Marina Blvd Marina Bay Financial Centre Tower 2, Level 42  
[Registration](#)

## Redbooks and Redpapers

- **Implementation Guide for IBM Spectrum Virtualize Version 8.5**, draft Redbook, revised: May 5, 2022.  
[Link](#)
- **IBM FlashSystem 9500 Product Guide**, draft Redpaper, revised: May 12, 2022.  
[Link](#)
- **IBM FlashSystem 7300 Product Guide**, draft Redpaper, revised: May 12, 2022.  
[Link](#)
- **IBM SAN Volume Controller (SVC) Model SV3 Product Guide**, draft Redpaper, revised: May 12, 2022.  
[Link](#)
- **IBM AIX Enterprise Cloud Solutions**, Redpaper, published: May 27, 2022.  
[Link](#)
- **IBM Power E1080 Technical Overview and Introduction**, Redpaper, revised: May 11, 2022 ISBN: 0738460052.  
[Link](#)
- **IBM Power Systems High Availability and Disaster Recovery Updates: Planning for a Multicloud Environment**, Redpaper, published: May 27, 2022 ISBN: 0738460540.  
[Link](#)

## IBM alerts and notices

### AIX alerts:

- **New Microcode for 1010**

The latest service pack 1010.21 is now available for system firmware level MH1010. HIPER/Non-Pervasive: A problem was fixed for possible undetected data corruption. In IBM internal testing, it was found that the execution of the new Power10 STXVP instruction may cause undetected data corruption in certain instances.

The following applications on AIX 7.3 and/or Linux are currently known to be exposed.

- OpenBLAS 0.3.12
- ESSL 7.1
- Eigen 3.4
- Applications compiled with Open XL v17.1.0 , GCC V10/V11 or CLANG/LLVM 12, 13, 14
- Any other applications exploiting the Power10 STXVP instruction.

[Link](#)

- **Upgrade to Java 8.0.7.5 for PSIRT**

There are two issues:

- LI82531
- LI82566

[Link](#)

[Link](#)

- **OPENSSL LIBS UPGRADE TO OPENSLL-1.0.2K-25.EL7\_9.X86\_64**

Issue LI82594: OPENSLL libraries upgrade to openssl-1.0.2k-25.el7\_9.x86\_64.

[Link](#)

- **UPGRADE OF COM.FASTERXML.JACKSON.CORE:JACKSON-DATABIND TO LATEST VERSION**

Issue: LI82591 with the upgrade to the latest version.

[Link](#)

- **PGP ENCRYPTION ISSUE MAESTROS /TMP/JAVA FOLDER GETTING DELETED AFTER SPECIFIED TIME IN TMP.CON**

Issue: LI82614: with PGP Encryption where the root cause is from maestros /tmp/java folder getting deleted after specified time.

[Link](#)

- **VULNERABILITY OBSERVED ON WMC LANDING PAGE**

Issue: LI82522:

Some of the Links not working on Landing page.

[Link](#)

- A vulnerability in OpenSSL**  
 A vulnerability in OpenSSL (part of AIX's secure network communications) that could allow a remote attacker to cause a denial of service (CVE-2022-0778).  
 Levels affected:      AIX 7.1; 7.2; 7.3  
                           VIOS: 3.1  

Fileset	Lower Level	Upper Level
openssl.base	1.0.2.500	1.0.2.2103
openssl.base	1.1.1.0	1.1.1.1200
openssl.base	1.1.2.0	1.1.2.1200
openssl.base	20.13.102.1000	20.16.102.2104

[Link](#)

- WS-TRUST DEPRECATION CHANGES FOR MSDYNAMICS AND IMPLEMENTATION OF OAUTH2.0**

Issue: LI82623 with WS-Trust deprecation changes for MSDynamics and Implementation of OAUTH2.0.

[Link](#)

- A request to add additional ciphers to the Strong configuration**

Issue LI82626: The L3 team was asked to add 2 more ciphers to the Strong configuration (RTC 83189).

[Link](#)

- AIX72 TL05 PTF in Error**

This document lists the common PTF errors for this TL and the relevant fix.

[Link](#)

- LDAP USER UNABLE TO LOGIN TO WEB MANAGEMENT CONSOLE**

Issue: LI82633: When LDAP user gets an error logging into Web Management Console.

[Link](#)

## AIX notices:

- Scrubbing, Shredding or Sanitising your Disks to Remove All Data via a small C program**

If you are re-purposing a computer / giving it to some one else, then you want to ensure you remove all data from the disks. Removing the files does not remove the file content and it is possible to detect and recover the data. You may also have to follow organisational security guidelines.

[Link](#)

- HMC Scanner for POWER Server Config and Performance Stats**

Use the HMC Scanner to quickly extract all the details of the POWER Servers the HMC is connected too and saved in a Microsoft Excel spreadsheet.

The tool is available as a compressed file that needs to be extracted on an empty directory. Latest version is " hmcScanner-0.11.42.zip".

[Link](#)

- **AIX 7.3 Installation Tips**  
This document contains tips for successful installation of AIX 7.3 and is updated as new tips become available.  
[Link](#)
- **AIX 7.2 Installation Tips**  
This document contains tips for successful installation of AIX 7.2 and is updated as new tips become available.  
[Link](#)
- **AIX 7.1 Installation Tips**  
This document contains tips for successful installation of AIX 7.1 and is updated as new tips become available.  
[Link](#)
- **AIX Service Pack 7300-00-02-2220**  
Service Packs contain important fixes delivered between Technology Levels. Service Pack 7300-00-02-2220 is based on Technology Level 7300-00.  
[Link](#)
- **AIX Service Pack 7200-05-04-2220**  
Service Packs contain important fixes delivered between Technology Levels. Service Pack 7200-05-04-2220 is based on Technology Level 7200-05.  
[Link](#)
- **AIX Workload Manager**  
The AIX Workload Manager ((WLM) feature groups running processes in to classes for workload monitoring and optionally control.  
WLM is a powerful tool for the system administrator and simple to set up.  
[Link](#)

#### PowerSC notices:

- **PowerSC Standard Edition 2.1.0.0**  
The fixpack is cumulative and includes all fixes completed since the last release.  
[Link](#)
- **PowerSC Release Notes for 2.1**  
The release notes for 2.1 are available.  
[Link](#)

#### PowerHA notices:

- **PowerHA 7.2.3 Service Pack 7**  
PowerHA 7.2.3 Service Pack 7 is now available for download as of May, 2022.  
NOTE: PowerHA SystemMirror 7.2.3 SP7 testing has been done on the following AIX levels and they are therefore recommended:
  - AIX7.1 TL05 SP9
  - AIX7.2 TL01 SP6
  - AIX7.2 TL02 SP6

- AIX7.2 TL03 SP7
- AIX7.2 TL04 SP5
- AIX7.2 TL05 SP4
- AIX7.3 TL00 SP2

[Link](#)

- **PowerHA 7.2.5 Service Pack 3**

PowerHA 7.2.5 Service Pack 3 is now available for download as of May, 2022.

NOTE: PowerHA SystemMirror 7.2.5 SP3 testing has been done on the following AIX levels and they are therefore recommended:

- AIX7.1 TL05 SP9
- AIX7.2 TL01 SP6
- AIX7.2 TL02 SP6
- AIX7.2 TL03 SP7
- AIX7.2 TL04 SP5
- AIX7.2 TL05 SP4
- AIX7.3 TL00 SP2

[Link](#)

- **PowerHA 7.2.4 Service Pack 5**

PowerHA 7.2.4 Service Pack 5 is now available for download as of May, 2022.

NOTE: PowerHA SystemMirror 7.2.4 SP5 testing has been done on the following AIX levels and they are therefore recommended:

- AIX7.1 TL05 SP9
- AIX7.2 TL01 SP6
- AIX7.2 TL02 SP6
- AIX7.2 TL03 SP7
- AIX7.2 TL04 SP5
- AIX7.2 TL05 SP4
- AIX7.2 TL00 SP2

[Link](#)

- **PowerHA SystemMirror support lifecycle information**

An updated list of the PowerHA SystemMirror release dates and end of service pack support (EoSPPS) dates is now available.

[Link](#)



## PowerVM notices:

- **SEA statistics information**

What type of packets can increase "Packets filtered (VlanId)" and "Packets filtered (Reserved address)" counters in the SEA statistics? As in:

Real Side Statistics:

**Packets filtered(VlanId): 1934**

**Packets filtered(Reserved address): 43169**

Virtual Side Statistics:

**Packets filtered(VlanId): 103**

[Details](#)

- **Fix Pack: VIOS 3.1.3.21**

VIOS 3.1.3.21 Fix Pack is now available.

[Link](#)

- **Service Pack: VIOS 3.1.3.21**

VIOS 3.1.3.21 Service Pack is now available.

[Link](#)

## Spectrum Scale / ESS alerts:

- **Mellanox OFED 5.x considerations in IBM ESS V6.1.2.x+**

IBM Spectrum Scale moved to Mellanox OFED 5.x starting with the release of ESS 6.1.2.0 (November 2021). The decision to move to MOFED 5.x has important ramifications on customer environments that need to be carefully understood.

Note: ESS 6.1.2.0 is no longer available on Fix Central. The first MOFED 5.x ESS version available currently is ESS 6.1.2.2 (Feb 2022).

[Link](#)

- **Potential for SSD data loss after extended shutdown**

Information stored in flash memory (e.g. SSD or Flash Core Modules [FCM]) is not preserved indefinitely. This is a characteristic of NAND Flash technology that those deploying IBM Elastic Storage Systems (ESS) must understand for proper system administration and management.

[Link](#)

- **A vulnerability has been identified in IBM Spectrum Scale which is packaged in IBM ESS (CVE-2022-22368)**

A security vulnerability has been identified in all levels of IBM Spectrum Scale which is packaged in IBM ESS that could allow an attacker to decrypt highly sensitive information.

[Link](#)

- **A vulnerability has been identified in IBM Spectrum Scale which is packaged in IBM ESS (CVE-2020-4926)**

A security vulnerability has been identified in all levels of IBM Spectrum Scale which is packaged in IBM ESS where an unauthorised user can send arbitrary data to the CLI commands and daemon.

[Link](#)

- **Linux Kernel vulnerability may affect IBM Elastic Storage System (CVE-2021-4083)**  
There are security vulnerabilities in versions of Linux Kernel that are shipped with versions of IBM Elastic Storage System.  
[Link](#)
- **A vulnerability in IBM WebSphere Application Server Liberty affects IBM Spectrum Scale packaged in IBM ESS ( CVE-2021-39031)**  
There is a vulnerability in IBM WebSphere Application Server Liberty, used by IBM ESS, which could allow a remote attacker to cause a denial of service.  
[Link](#)
- **A vulnerability in IBM JAVA JDK affects IBM Spectrum Scale packaged in IBM Elastic Storage System (CVE-2022-21291)**  
There is a vulnerability in IBM Java JDK, used by IBM Elastic Storage System GUI, which could allow an unauthenticated attacker to cause no confidentiality impact, low integrity impact and no availability impact.  
[Link](#)
- **A vulnerability in IBM WebSphere Application Server Liberty affects IBM Spectrum Scale packaged in IBM Elastic Storage System (CVE-2021-39031)**  
There is a vulnerability in IBM WebSphere Application Server Liberty, used by IBM Elastic Storage System, which could allow a remote attacker to cause a denial of service.  
[Link](#)

## Spectrum Scale / ESS notices:

- **Software version planning**  
The IBM Spectrum Scale Software Version Recommendation Preventive Service Planning page has been updated.  
[Link](#)
- **IBM Elastic Storage Server (ESS) latest fixpacks**  
These fixpacks are cumulative and include all the fixes completed since the last release:
  - [ESS DAE BASEIMAGE-5.3.7.6-ppc64LE-Linux](#)
  - [ESS DME BASEIMAGE-5.3.7.6-ppc64LE-Linux](#)
  - [ESS DAE BASEIMAGE 3000-6.0.2.6-x86 64-Linux](#)
  - [ESS DME BASEIMAGE 3000-6.0.2.6-x86 64-Linux](#)
  - [ESS DAE BASEIMAGE 5000-6.0.2.6-ppc64LE-Linux](#)
  - [ESS DME BASEIMAGE 5000-6.0.2.6-ppc64LE-Linux](#)
  - [ESS DAE BASEIMAGE Legacy-6.1.2.3-ppc64LE-Linux](#)
  - [ESS DME BASEIMAGE Legacy-6.1.2.3-ppc64LE-Linux](#)
  - [ESS DAE BASEIMAGE 3000-6.1.2.3-x86 64-Linux](#)
  - [ESS DME BASEIMAGE 3000-6.1.2.3-x86 64-Linux](#)
  - [ESS DAE BASEIMAGE 3200-6.1.2.3-x86 64-Linux](#)
  - [ESS DME BASEIMAGE 3200-6.1.2.3-x86 64-Linux](#)
  - [ESS DAE BASEIMAGE 5000-6.1.2.3-ppc64LE-Linux](#)

- [ESS DME BASEIMAGE 5000-6.1.2.3-ppc64LE-Linux](#)
- [ESS DAE BASEIMAGE-6.1.3.0-ppc64LE-Linux](#)
- [ESS DME BASEIMAGE-6.1.3.0-ppc64LE-Linux](#)
- **IBM License Metric Tool tags missing from Elastic Storage System (ESS) 6.1.3.0**  
With the availability of ESS 6.1.3.0, the IBM License Metric Tool (ILMT) software tags (SW Tags) are missing. These tags were not integrated into the ESS code. The tags are used to log how much capacity and storage are consumed by ESS.  
[Link](#)

Keep safe and please let us know if there are any other topics that interest you.  
Red, Belisama