

April Newsletter

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Greetings all,

I that hope you are all keeping well and that you will find some of the updates below interesting. Please feel free to share – and I look forward to any feedback and/or comments.

A few updates to share

- While RHEL 9 has been available in beta since November, we should see it released in May. Some of the things we can look forward to:
 - Gnome 4.0, Kernel 5.14;
 - Red Hat Enterprise Linux image builder so you can save time and ensure consistency when deploying RHEL systems at scale;
 - New Ansible system roles;
 - High Availability (HA) Improvements, including:
 - Keep applications running despite disruptions; and
 - Fencing agent for IBM PowerVS.
- Sadly after almost 6 great years living in Singapore, we will be moving back to Australia – and probably setting up a new company there, so I will keep you posted.
- We are pleased that Satid Singkorapoom will be speaking at the ASEAN Power Meetup this Friday (see below). Remember also that he has also published a number of very useful discussion papers - see [The i Series series](#).
- Looking for scalable, high performance, multi-user, clustered persistent storage option for Kubernetes / Openshift? For the last few weeks I have been playing with using GPFS (ESS or Spectrum Scale) as persistent volumes for my Openshift cluster and was impressed with the ease and performance. Have a look at the Spectrum Scale CSI driver if you are interested.

Quick bites

A new home for the RFE community

Last month, Rob McNelly addressed this change, this month, Nancy Uthke-Schmucki, explains why RFEs have moved from developerWorks to IBM Ideas.

[Link](#)

10 Hidden Gems in the RPM Pile

From JSON Query Utility, to LFTP, to Service Commander and more, Jesse Gorzinski highlights 10 hidden open-source gems in the RPM pile.

[Link](#)

Steve Will's 'You and i' Blog Finds New Home on TechChannel

AIX / IBM i / Linux on POWER / Article / Community / You and i blog.

[Link](#)

OpenPOWER

The collaborative design model of the OpenPOWER Foundation has changed the way companies innovate around processor and system technology. The POWER architecture is purpose-built for big data and cloud. One can get knowledge about Software, the silicon and the systems by joining [OpenPOWERfoundation](#).

There are courses, workshops and webinars available as part of this foundation through the [OpenPOWER AI Virtual University](#).

2022 Solutions Directory on TechChannel.com

Check out hundreds of listings from technology companies and their solutions for security, storage, application development and modernisation, data management, educational and consulting and much more. This online guide includes company details, contact information and products for most Operating Systems – including AIX, i and Linux on Power.

[Link](#)

Leveraging IBM i and RPG for Web Servicing

Discover why IBM i and RPG offer key strengths for web servicing, and a look at other programming languages and frameworks.

[Link](#)

Big Things Coming for IBM i in 2022

Steve Will kicks off his 'You and i' blog series on TechChannel with a look at big things on the horizon for IBM i.

[Link](#)

IBM i Next Gen Apps: The Modernisation Approach

Over the last two years, IBM started a strategy dubbed “IBM i Next Gen Apps.” Get the details in Steve Will's latest "You and i" blog here.

[Link](#)

Tips on HMC, VIOS, LPAR and More

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

[Link](#)

How to Incorporate Continuous Testing Into Your IBM i Development Cycles

This event is sponsored by Rocket Software and you can see the discussion around how to introduce automated, continuous testing within your IBM I DevOps environment.

[View now](#)

kcli - the only tool you will need to create Kubernetes and OpenShift cluster for test and development

This article by Pradipta Banerjee was published on March 31, 2022.

[Link](#)

IBM Expert Radio

Check out the podcasts of selected IBM Expert TV Shows.

[Listen Now](#)

Migrating LPARs to the cloud?

Rob McNelly discusses some key considerations, solutions and next steps for moving LPARs to the cloud.

[Watch](#)

In case you missed

- **The State of IBM i Security in 2022: 3 Key Takeaways**

IBM i security experts Robin Tatam and Sandi Moore will reveal intelligence gathered from hundreds of IBM i security audits conducted over the past year. You'll see impartial data around:

- How many users can access sensitive data and problems with password security;
- Antivirus protection;
- Network access controls; and
- Strategies for system auditing.

You'll learn which security controls IBM i organisations have prioritised, the areas where IBM i security is falling short and what IBM i pros can do to get back on track in 2022.

[Details](#)

Coming soon

- **ASEAN Power (AIX, i, Linux) meetup – “An i affair”**

The April meetup will be held on Friday 29/4/22 at 10:00 UTC +8

There will be 2 sessions and a short chat with an IBM Champion

- **Speeding Up Your RPG and SQL** - with Simon Hutchinson.
- **IBM i Performance Analysis with Performance Data Investigator Tool - Finding answers to 5 basic performance questions** - with Satid Singkorapoom.
- **What is an IBM Champion?** - a discussion with Kristian Milos.

[Register through IBM Community](#)

[Register through Meetup](#)

- **IBM Power and Red Hat: Modernisation, Simplified**
Friday 29/4/22 at 01:00 UTC +8.
As enterprises look to deliver the personalised, responsive, mobile experiences that many millennials expect - from their banks, their clothing brands, and everything in between - enabling that transformation in a timely manner is critical.
Presented by: Chuck Bryan, Joe Cropper and Ramon Villarreal.
See: https://event.webcasts.com/starthere.jsp?ei=1535614&tp_key=d20f2f40d9
[To register for the session](#)
[To register for recording](#)
- **Power Systems VUG 2022-04-28 - Power Performance Tuning**
Thursday 28th April at 23:00 UTC +8.
The April VUG is a Power Systems performance tuning review hosted by David Pizinger, one of the performance gurus from the team at Kyndryl. David will discuss basic performance metrics and analysis along with advanced tuning concepts unique to PowerVM. We'll use AIX for examples, but the session information will apply to any OS.
[Link](#)
- **Think 2022**
This year will again be a digital face-to-face event held on 10-11th May. Think is more than just a conference - it's how IBM engages with the world. And you can place yourself right at the centre of that ever-evolving conversation.
[Stay informed about Think](#)
- **Red Hat Virtual Summit**
When you join IT leaders and peers at Red Hat's no-cost virtual event, you can chart your hybrid cloud strategy - and our open source future.
Check out the available sessions to explore ways you can participate in the Red Hat Summit experience taking place 10-11th May.
[Sign up](#)

Redbooks and Redpapers

- **IBM Power Systems Cloud Security Guide: Protect IT Infrastructure In All Layers**, revised: March 29, 2022.
[Link](#)
- **IBM b-type Gen 7 Installation, Migration, and Best Practices Guide**, published: March 29, 2022.
[Link](#)
- **IBM Power Systems Virtual Server Guide for IBM i**, Published: March 30, 2022.
[Link](#)
- **Implementing IBM FlashSystem with IBM Spectrum Virtualize V8.4**, revised: April 7, 2022.
[Link](#)

- **IBM Power Systems Cloud Security Guide: Protect IT Infrastructure In All Layers**, published: April 14, 2022.
[Link](#)
- **IBM Power Systems S922, S914, and S924 Technical Overview and Introduction Featuring PCIe Gen 4 Technology**, revised: April 18, 2022.
[Link](#)
- **IBM Power Systems High Availability and Disaster Recovery Updates: Planning for a MultiCloud Environment**, draft updated: 26 April 2022.
[Link](#)

AIX updates and notices:

- **How to troubleshoot network issue during NIM installation?**
IBM Support has published a how to, which describes troubleshooting network problem during a NIM installation of AIX.
[Link](#)
- **Troubleshooting: PowerVM/VIOS FCA_ERR4/FCA_ERR12 errors on unused fibrechannel ports**
When there are unused ports on FC adapters, it is usual to disable those ports to stop *cfgdev/cfgmgr* trying to configure the devices and also to stop messages in the system error log.
[Link](#)
- **Troubleshooting: IBM AIX and PowerVM: How to resolve LED 2700 when booting an AIX LPAR or PowerVM (VIOS)**
After an LPM or firmware upgrade, the system can appear to hang with an LED 2700. This error can be the result of the amount of time taken to scan virtual FC Adapters and LUNs causing the *cfgmgr* command to hang.
The issue can be prevented by making sure all the adapters and LUNs are in either an available or defined state before booting or rebooting an LPAR.
[Link](#)
- **Troubleshooting: AIX/HMC Unable to boot with error AA00E158 with HMC**
How to get around the error when an LPAR is unable to boot and is stuck on error AA00E158.
[Link](#)
- **Downloads and drivers: IBM Supported Platforms for Oracle Database**
This PAM (Product Availability Matrix) covers the availability of Oracle Database on IBM platforms by Operating Systems and is frequently updated. Information in this documents is available of the Oracle My Oracle Support website. Those requiring more detailed information should consult directly the original documents published by Oracle.
[Link](#)

- **IBM Spectrum Scale 5.1 is certified with Oracle RAC Database 19c on AIX 7.2 and AIX 7.3**

As of March 18, 2022, Oracle has certified IBM Spectrum Scale 5.1 (5.1.0.2+) with Oracle Clusterware and Real Application Cluster (RAC) Database 19c (19.11+) products.

[Link](#)

ESS updates and notices:

- **IBM Elastic Storage Server (ESS) latest fixpacks**

These fixpacks are cumulative and include all the fixes completed since the last release.

- [ESS DAE BASEIMAGE-5.3.7.5-ppc64LE-Linux](#)
- [ESS DME BASEIMAGE-5.3.7.5-ppc64LE-Linux](#)
- [ESS DAE BASEIMAGE 5000-6.0.2.5-ppc64LE-Linux](#)
- [ESS DME BASEIMAGE 5000-6.0.2.5-ppc64LE-Linux](#)
- [ESS DAE BASEIMAGE 3000-6.0.2.5-x86 64-Linux](#)
- [ESS DAE BASEIMAGE 3000-6.1.2.2-x86 64-Linux](#)
- [ESS DME BASEIMAGE 3000-6.0.2.5-x86 64-Linux](#)

- **IBM Elastic Storage Server (ESS) software withdrawal notice and service discontinuance: IBM Spectrum Scale 5.0 programs**

End of support notification: IBM Spectrum Scale (GPFS) Versions 5.0.x will reach End of Support on April 30, 2022.

[Link](#)

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[Link](#)

Keep safe and I hope to see you at the ASEAN Power meetup
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