Belisama

October Newsletter

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Greetings all,
I trust that those that were able to get to TechXchange were able to take advantage of all the expertise walking the halls – and if not able to attend all the sessions in person, at least visited TechXchange Community for most of the sessions.

I was also pleased (not surprised) to see that I am not the only madperson to run AIX on their laptop (AIX 7.2, not 4.1 on my old IBM laptop) under Linux kvm-qemu. Link – Hugo and Nigel have been tinkering for a while too.

Over the last couple of months I have been working with a number of long term AIX customers, who have been running their critical workloads on AIX since the heady days of 3.2.5. While they still have a large number of stable AIX workloads, they are finding is many of their Company's new (and often short lived) workloads are moving to Linux. They are now in the prime position with a stable, well managed environment to quickly implement these new workloads, using many of the tools already in use (Ansible and yes some even using NIM to deploy, etc).

A few updates to share

- Hiding some IBM Power infrastructure details. There has been some discussion lately about obscuring some virtual FC device configuration on the VIO Server and the client LPAR (thanks Ivan Rakus / Chris Gibson). By setting VIO Servers vFC "`adapters secure_va_info`" to "yes", the mapping details for the LPARs virtual FC adpaters will be obscured in output from kernel debugger / trace on the VIO Server, and on the LPAR, for example:

```
# cat /proc/sys/adapter/fc/fcs0/hostinfo
VFC client adapter name                   : fcs0
Host partition name  (VIOS)               : vio1
VFC host adapter name                     : vfchost2
VFC host adapter location code            : Uaaaa.001.78938E0-V25-C5
FC adapter name on VIOS                   : fcs3
FC adapter location code  on VIOS         : Unnnn.001.abcdefg-P1-C5-T1

# cat /proc/sys/adapter/fc/fcs0/hostinfo
VFC client adapter name                   : fcs0
Host partition name  (VIOS)               : Secure
VFC host adapter name                     : Secure
VFC host adapter location code            : Secure
FC adapter name on VIOS                   : Secure
FC adapter location code  on VIOS         : Secure
```

  Link

- Just a reminder for those nmon/nmonchard users – Nigel has created a Website that allows you to run the nmonchart (to produce cool graphs from your nmon data) without having to download nmonchart and configure your own website. Nigel is proud that this site has already been used over 1000 times this year.
  Link

Quick bites

Running OpenShift and support a nightmare?
The support team have published a short guide to explain how to quickly get help resolving issues with OpenShift issues across IBM products.
Link
IBM i ????
Power administrator that needs to develop IBM i skills? Seen and IBM i application that your team may want to test – have a play at Link
Installing a kickstart server?
Andrey puts the case for automating tasks – even those done rarely, and shows how to easily automate the installation of a kickstart server.
Link
IBM migrating Supports' Secure File Transfer Service
The new details that you may need to add to your firewall allowlists:
hostname for external clients: transfer.boulder.ibm.com
New IP: 170.225.126.15
How to enable jumbo frame in AIX vNIC setup?
Support has provided a brief document now how to correctly enable jumbo frames on AIX vNICs.
Link

In case you missed ….

- **Power VUG**
  Details from the event at TechXChange should be loaded soon, in the meantime the slides/recording from the September Session – Advanced Power11 features with Todd Boyd are now available
  Link

Coming soon

- **Sydney IBM Champion meetup**
  IBM Sydney Office on 21st November – hope to see you there!

Redbooks and Redpapers

- **IBM** , Redpaper, revised: August 4, 2022
  Link
- **IBM Power11 Scale-Out Servers: Introduction and Overview**, Redbook, 30 October 2025,
  Link
- **Rise with SAP on Power Virtual Server, Draft Redbook**, 16 October 2025,
  Link
- IBM Power11 E1150 Introduction and Technical Overview, Redbook, 08 October 2025, Redbooks
  Link

IBM alerts and notices

AIX alerts:

- **AIX/VIOS is vulnerable to a denial of service (CVE-2025-49175, CVE-2025-49178) and an integer overflow (CVE-2025-49176, CVE-2025-49179)**

  Vulnerabilities in Xorg X Server could cause a denial of service or an integer overflow .

  Vulnerability Details

  CVE-2025-49175 - A flaw was found in the X Rendering extension's handling of animated cursors. If a client provides no cursors, the server assumes at least one is present, leading to an out-of-bounds read and potential crash.
  CVE-2025-49176 - A flaw was found in the Big Requests extension. The request length is multiplied by 4 before checking against the maximum allowed size, potentially causing an integer overflow and bypassing the size check.
  CVE-2025-49178 - A flaw was found in the X server's request handling. Non-zero 'bytes to ignore' in a client's request can cause the server to skip processing another client's request, potentially leading to a denial of service.
  CVE-2025-49179 - A flaw was found in the X Record extension. The RecordSanityCheckRegisterClients function does not check for an integer overflow when computing request length, which allows a client to bypass length checks.

  Affected Products and Versions

Affected Product(s)	Version(s)
AIX	7.2
AIX	7.3
VIOS	3.1
VIOS	4.1

  The vulnerabilities in the following filesets are being addressed:

Fileset	Lower Level	Upper Level
X11.base.rte	7.2.5.0	7.2.5.100

X11.base.rte	7.3.0.0	7.3.0.0
X11.base.rte	7.3.3.0	7.3.3.0

Link

- **AIX/VIOS is vulnerable to a memory corruption issue (CVE-2025-6965) due to RPM**

  Vulnerability in RPM could allow an attacker to cause a memory corruption issue (CVE-2025-6965). RPM is used by AIX for package management.

Vulnerability Details

CVE-2025-6965 - There exists a vulnerability in SQLite versions before 3.50.2 where the number of aggregate terms could exceed the number of columns available. This could lead to a memory corruption issue. We recommend upgrading to version 3.50.2 or above.

Affected Products and Versions

Affected Product(s)	Version(s)
AIX	7.2
AIX	7.3
VIOS	3.1
VIOS	4.1

The vulnerabilities in the following filesets are being addressed:

Fileset	Lower Level	Upper Level
rpm.rte	4.15.1.1000	4.15.1.1016
rpm.rte	4.15.1.2000	4.15.1.2014
rpm.rte	4.18.1.2000	4.18.1.2006

Link

GPFS/Scale HIPER:

- **Missing mmap writes may lead to a potential undetected data loss that could affect IBM Storage Scale 5.1.0.0-5.1.9.9 and 5.2.0.0-5.2.2.1**

  When a file is concurrently accessed through memory mapped I/O (mmap), the required flush of the mmap data can be incomplete, thus preventing data from previous mmap writes from being written to disk.

Users affected

Users of IBM Storage Scale 5.1.0.0-5.1.9.9 and 5.2.0.0-5.2.2.1 that run on AIX or Linux, when they write data through mmap.

Link

Hope to catch up with the IBM Champions in Sydney on the 21st.

Red, Belisama