Belisama

December Newsletter

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Greetings all,
We hope that you are having a good break to enjoy the end of a hectic ‘22 and getting ready for an “interesting” ‘23. We are looking forward to some new PowerHA Redbooks coming out (with particular thanks to Dino, Shawn, Vera and the team).

A few updates to share

- We have been lucky to have a very busy end of the year – with interesting projects such as:
  - Ansible on Power
  - PowerHA SystemMirror Enterprise Edition using EMC Storage replication
  - Data Centre migration
  - PowerSC proof of concept / design
  - Some monitoring with influxdb, postresql and grafana
  - DR setup in PowerVS using PowerHA EE and GLVM
- Note: IBM Electronic Fix Distribution / IBM Fix Central systems will end support for unencrypted fix downloads from 15th February, 2023. See details.
- We are sorry to our many customers who have ask for us to sell hardware, but our philosophy has always been to provide service and solutions to drive the most from your current environment, not to be driven by hardware sales.

Quick bites

devscan
Support centre has updated the devcan tool page (devscan is a very useful diagnostic took for Storage Area Networks)
Link
IBM scientists help develop NIST’s quantum-safe standards
The US National Institute of Standards and Technology announced the first quantum-safe cryptography protocol standards for cybersecurity in the quantum computing era.
Link
Support update - Adding Team Members
After a number of users asked for this feature, support has answered!
Account users now have the flexibility to invite team members onto support cases, and team members do not need to be associated with the account or have an IBM ID.
Link

In case you missed ….

- **IBM Elastic Storage System Webinars: Log and Snap Collection**
  This webinar discussed ESS Log and Snap collection and slides and recording can be downloaded.
  Link

Coming soon

- **ASEAN AIX/IBM i/Linux on Power Meetup Group / IBM Community**
  January Meetup
  - What's New in IBMi V7.5
  - IBMi on PowerVS

  Friday, January 13, 2023 at 13:00 to 14:30 UTC +11

  Details:
  - Topic -1 What's New in IBM i V7.5 covered by Stephen Linsdell
    Many customers have been wondering about what's new in IBMi V7.5 and here we are with our Senior IT Specialist "Stephen Linsdell" presenting what has changed and how it is going to be helpful.
  - IBM i LPAR on IBM Cloud (PowerVS) covered by Prashant Sharma
    Prashant will be demonstrating how easy and user-friendly it is to host an IBM i partition on IBM Cloud. Some use cases that will help you plan your IBM i migrations to IBM cloud.

  Please be ready with your questions.

  Meetup: Link
  IBM Community: Link

Redbooks and Redpapers

- **IBM Power E1080 Technical Overview and Introduction**
  Link
- **Introduction to IBM PowerVM**
  Link
- **IBM Power S1014, S1022s, S1022, and S1024 Technical Overview and Introduction**
  Link
- **IBM Power E1050: Technical Overview and Introduction**
  Link

IBM alerts and notices

Security Bulletins:

- **Multiple vulnerabilities in IBM Java SDK affect AIX**

  There are multiple vulnerabilities in IBM SDK Java Technology Edition, Versions 7, 7.1, 8 used by AIX. AIX has addressed the applicable CVEs.

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

  Link

- **AIX is vulnerable to a denial of service due to the AIX SMB client (CVE-2022-43381)**

  A vulnerability in the AIX SMB client daemon could allow a non-privileged local user to cause a denial of service (CVE-2022-43381). AIX uses the SMB client daemon to access files on SMB servers.

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

  Link

- **AIX is vulnerable to denial of service due to ISC BIND (CVE-2022-38178, CVE-2022-3080, CVE-2022-38177, CVE-2022-2795)**

  A vulnerability in ISC BIND could allow a remote attacker to cause a denial of service (CVE-2022-38178, CVE-2022-3080, CVE-2022-38177, CVE-2022-2795). AIX uses ISC BIND as part of its DNS functions.

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

  Link

- **AIX is affected by a denial of service (CVE-2022-43680) due to Python**

  A vulnerability in Python could allow a remote attacker to cause a denial of service (CVE-2022-43680). Python is used by AIX as part of Ansible node management automation.

Affected Product(s)	Version(s)
AIX	7.3

  The vulnerabilities in the following filesets are being addressed:

Fileset	Lower Level	Upper Level
python3.9.base	3.9.0.0	3.9.14.0

  Link

- **AIX is vulnerable to a denial of service due to lpd (CVE-2022-43382)**
  A vulnerability in the AIX lpd printer daemon could allow a local user with elevated privileges to cause a denial of service (CVE-2022-43382). The lpd daemon is the remote print server on AIX.

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

The vulnerabilities in the following filesets are being addressed:

Fileset	Lower Level	Upper Level
bos.rte.printers	7.1.5.0	7.1.5.33
printers.rte	7.1.5.0	7.1.5.31
bos.rte.printers	7.2.5.0	7.2.5.1
bos.rte.printers	7.2.5.100	7.2.5.100
printers.rte	7.2.4.0	7.2.4.0
printers.rte	7.2.5.200	7.2.5.200
bos.rte.printers	7.3.0.0	7.3.0.0
printers.rte	7.3.0.0	7.3.0.0
printers.rte	7.3.1.0	7.3.1.0

Link

- **AIX is vulnerable to denial of service vulnerabilities**
  Vulnerabilities in the AIX kernel and kernel extensions could allow a non-privileged local user to cause a denial of service (CVE-2022-43380, CVE-2022-40233, CVE-2022-39165, CVE-2022-43848, CVE-2022-43849, CVE-2022-39164).

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

Link

- **AIX is affected by a root privilege escalation vulnerability (CVE-2022-41290)**
  A vulnerability in the AIX rm_rlcache_file user command could allow a non-privileged local user to obtain root privileges (CVE-2022-41290).

Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

The vulnerabilities in the following filesets are being addressed:

Fileset	Lower Level	Upper Level
bos.rte.install	7.1.5.0	7.1.5.48
bos.rte.install	7.2.5.0	7.2.5.5

bos.rte.install	7.2.5.100	7.2.5.105
bos.rte.install	7.3.0.0	7.3.0.3

Link

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Affected Product(s)	Version(s)
AIX	7.1
AIX	7.2
AIX	7.3
VIOS	3.1

The vulnerabilities in the following filesets are being addressed:

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bos.rte.install	7.1.5.0	7.1.5.48
bos.rte.install	7.2.5.0	7.2.5.5
bos.rte.install	7.2.5.100	7.2.5.105
bos.rte.install	7.3.0.0	7.3.0.3

Link

Preventative planning:

- **AIX72 TL05 PTF in Error**
  AIX72 TL05 PTF in Error
  Link
- **VIOS 3.1.4.10**
  VIOS 3.1.4.10 Fix Pack
  Link
- **AIX Technology Level 7300-01**
  The AIX 7300-01 Technology Level for AIX 7.3 contains preventive maintenance, new software features, and support for new hardware.
  Link
- **AIX Service Pack 7300-01-01-2246**
  Service Packs contain important fixes delivered between Technology Levels. Service Pack 7300-01-01-2246 is based on Technology Level 7300-01.
  Link
- **AIX Service Pack 7200-05-05-2246**
  Service Packs contain important fixes delivered between Technology Levels. Service Pack 7200-05-05-2246 is based on Technology Level 7200-05.
  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

ESS notices:

- **A vulnerability in IBM WebSphere Application Server Liberty affects IBM Spectrum Scale packaged in IBM Elastic Storage Server**
  There is a vulnerability in IBM WebSphere Application Server Liberty, used by IBM Elastic Storage Server, which could allow a remote attacker to cause a denial of service.
  Link
- **A vulnerability in IBM WebSphere Application Server Liberty affects IBM Spectrum Scale packaged in IBM Elastic Storage Server (CVE-2022-34165)**
  There is a vulnerability in IBM WebSphere Application Server Liberty, used by IBM Elastic Storage Server, which could allow a remote attacker to cause cache poisoning and cross-site scripting.
  Link

ESS preventative planning:

- **IBM Elastic Storage Server (ESS) latest fixpacks**
  These fixpacks are cumulative and include all the fixes completed since the last release:
  - ESS_DAE_UNIFIED-6.1.5.0-ppc64LE-EMS
  - ESS_DME_UNIFIED-6.1.5.0-ppc64LE-EMS
  - ESS_DAE_BASEIMAGE_Legacy-6.1.2.5-ppc64LE-Linux
  - ESS_DME_BASEIMAGE_5000-6.1.2.5-ppc64LE-Linux
  - ESS_DAE_BASEIMAGE_3000-6.1.2.5-x86_64-Linux
  - ESS_DAE_BASEIMAGE_3200-6.1.2.5-x86_64-Linux
  - ESS_DAE_BASEIMAGE_5000-6.1.2.5-ppc64LE-Linux
  - ESS_DME_BASEIMAGE_3000-6.1.2.5-x86_64-Linux
  - ESS_DME_BASEIMAGE_3200-6.1.2.5-x86_64-Linux

Wishing everyone a safe and **Power**-full 2023

Red, Belisama