

## August Newsletter

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Greetings all,

Sorry this update has been delayed – have been trying to chase up some broken APAR updates, guess support published some fixes before they were ready! (I have noted which fixes have been “advertised” but still not available).

A few updates to share

- Do you get the Built on Power updates??? I was a bit taken aback with the last one – all the details related to the new x86 / new accelerators in the IBM Cloud.. Not as if there are not any advances in IBM Power!
- There was a meetup of IBM champions in the middle of August (Brisbane, Sydney and Melbourne) was great to catch up with other IBM Champions (Aust and NZ) and hear about some new IBM products. (Thanks Namitha and Libby);
- Excellent Redbook (see below) Exploring Multi-Architecture OpenShift Clusters with IBM Power:. Yes – a game changer for Enterprise Computing;
- Lots of new updates for GPFS/Scale (5.2.1) and see below the team is looking for feedback on the modernisation project (Don’t panic, the mm-commands will stay). Yes, arm64 is now supported – will see if I can get it running on my pi cluster! (Thanks Chris M for the update).
- Power Firmware 1060 gives you the ability to manage memory (for example, more for some adapters) and to reduce the hypervisor footprint if the features are not required.
- A very useful guide from Jaqui Lynch as she highlights her experience upgrading PowerVM from v4.1.0.10 to v4.1.0.21. [Link](#)
- I found a few of the fixes published last month have made the list before they made the download site. I have put them after the available fixes – so keep a look out.

### Quick bites

#### **IBM Security Directory Server Version 6.4**

Just a reminder that Version 6.4 is End Of Support (EOS) on 30-Sep-2024. See the link for support lifecycle and upgrade steps to Version 10.0.

[Link](#)

#### **Miscellaneous IBM Power features withdrawal notice**

Effective 13 August 2024, 30 August 2024, 30 September 2024, and 11 October 2024 IBM will withdraw from marketing the following features:

- PCIe adapters
- Indicators
- Post-Sale services

## Selected PCIe4 NVMe

On or after the effective date of withdrawal, you can no longer order these products directly from IBM.

[Link](#)

## GPFS / Spectrum Scale modernisation

The team has been working on “Modernisation of Scale” and would like some feedback, see the link below for details and there is a user group you can join to participate in calls.

[Link](#)

## Update AIX with Ansible. Part 3a.

Andrey Klyachkin’s new article covers updating the AIX RPM packages (yes AIX has rpm packages) with DNF

[Link](#)

## Adventures with NIMADM: Upgrading from AIX V7.2 to V7.3

Another great article from Jaqui Lynch, where she highlights her recent experience using NIMADM to upgrade AIX from V7.2 to V7.3

[Link](#)

## GPFS 5.2.1 update

Chris Maestas provides some interesting titbits about the new release – updated commands, better expulsion and new and improved cluster export services.

[Link](#)

## TechNote - tcpdump fails with error "bpf\_load: could not configure driver: Do not specify an existing file" on AIX and VIOS?

The tcpdump uses bpf to capture the network packets. The error "bpf\_load: could not configure driver: Do not specify an existing file" indicates that another application or driver is holding a lock on bpf that is reserved for tcpdump. To determine who is holding a lock on bpf.

[Link](#)

## Coming soon

- **TechXchange!!!**

## Redbooks and Redpapers

- **Using Ansible for Automation with IBM Power Systems**, Draft Redbook, 30 August 2024  
[Link](#)
- **IBM Power E1080 Technical Overview and Introduction**, Draft Redpaper, 30 August 2024  
[Link](#)

- **IBM Power S1012 Technical Overview and Introduction**, Redpaper, 24 August 2024  
[Link](#)
- **Creating OpenShift Multiple Architecture Clusters with IBM Power**, Draft Redbook, 24 August 2024  
[Link](#)

## IBM alerts and notices

### AIX Security alerts

- **AIX is vulnerable to a denial of service (CVE-2024-2398) and security restrictions bypass (CVE-2024-2466, CVE-2024-2004) due to cURL libcurl**

#### Summary

Vulnerabilities in cURL libcurl could allow a remote attacker to cause a denial of service (CVE-2024-2398) or bypass security restrictions (CVE-2024-2466, CVE-2024-2004). AIX uses cURL libcurl as part of rsyslog, LV/PV encryption integration with HPCS and in Live Update for interacting with HMC.

#### Vulnerability Details

CVE-2024-2398 - cURL libcurl is vulnerable to a denial of service, caused by a memory leak when allowing HTTP/2 server push. By sending a specially crafted PUSH\_PROMISE frames with an excessive amount of headers, a remote attacker could exploit this vulnerability to cause a denial of service condition.

CVE-2024-2466 - cURL libcurl could allow a remote attacker to bypass security restrictions, caused by a flaw when built to use mbedTLS. By sending a specially crafted request, an attacker could exploit this vulnerability to bypass TLS certificate check.

CVE-2024-2004 - cURL libcurl could allow a local attacker to bypass security restrictions, caused by a lflaw in the logic for removing protocols. By sending a specially crafted request, an attacker could exploit this vulnerability to use the disabled set of protocols.

#### Affected Products and Versions

Affected Product(s)	Version(s)
AIX	7.3.1
AIX	7.3.2

The following fileset levels are vulnerable:

Fileset	Lower Level	Upper Level
oss.lib.libcurl	7.79.1.0	7.79.1.0
oss.lib.libcurl	8.1.2.0	8.1.2.0
oss.lib.libcurl	8.5.0.0	8.5.0.0

[Link](#)



- **Security Bulletin: AIX is affected by information disclosure (CVE-2023-45803) and arbitrary code execution (CVE-2024-6345) due to Python**

## Summary

Vulnerabilities in Python could allow a remote attacker to obtain sensitive information (CVE-2023-45803) or execute arbitrary code (CVE-2024-6345). Python is used by AIX as part of Ansible node management automation.

## Vulnerability Details

CVE-2023-45803 - urllib3 could allow a remote authenticated attacker to obtain sensitive information, caused by a flaw with not remove the HTTP request body when an HTTP redirect response using status 303. By sending a specially crafted HTTP request, an attacker could exploit this vulnerability to obtain sensitive information, and use this information to launch further attacks against the affected system.

CVE-2024-6345 - pypa/setuptools could allow a remote attacker to execute arbitrary code on the system, caused by an error in the package\_index module. By persuading a victim to click a specially crafted URL, an attacker could exploit this vulnerability using its download functions to inject and execute arbitrary code on the system.

## Affected Products and Versions

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

The following fileset levels are vulnerable:

Fileset	Lower Level	Upper Level
python3.9.base	3.9.0.0	3.9.19.1

[Link](#)

## PowerVC Security alerts

- **Pillow versions have a Denial of Service vulnerability due to uncontrolled memory allocation in ImageFont's**

## Summary

An issue was discovered in Pillow before 10.0.0. It is a Denial of Service that uncontrollably allocates memory to process a given task, potentially causing a service to crash by having it run out of memory. This occurs for truetype in ImageFont when textlength in an ImageDraw instance operates on a long text argument. Pillow through 10.1.0 allows PIL.ImageMath.eval Arbitrary Code Execution via the environment parameter, a different vulnerability than CVE-2022-22817 (which was about the expression parameter).

## Vulnerability Details

CVE-2023-44271 - Pillow is vulnerable to a denial of service, caused by a flaw with uncontrollably allocates memory to process a given task. By sending a specially crafted request, a remote attacker could exploit this vulnerability to cause service to crash.

CVE-2023-50447 - Pillow could allow a remote attacker to execute arbitrary code on the system, caused by improper neutralization of user supplied-input by the PIL.ImageMath.eval function. By sending a specially crafted request using keys that leverage the environment parameter, an attacker could exploit this vulnerability to execute arbitrary code on the system.

#### Affected Products and Versions

Affected Product(s)	Version(s)
PowerVC	2.1.1
PowerVC	2.1.1.1
PowerVC	2.2.0

#### Remediation/Fixes for version:

[2.1.1](#)

[2.1.1.1](#)

[2.2.0](#)

[Link](#)

- **PyMySQL allows SQL injection [CVE-2024-36039]**

#### Summary

PyMySQL through 1.1.0 allows SQL injection if used with untrusted JSON input because keys are not escaped by escape\_dict.

#### Vulnerability Details

CVE-2024-36039 - PyMySQL is vulnerable to SQL injection. A remote attacker could send specially crafted SQL statements, which could allow the attacker to view, add, modify or delete information in the back-end database.

#### Affected Products and Versions

Affected Product(s)	Version(s)
PowerVC	2.1.1
PowerVC	2.1.1.1
PowerVC	2.2.0
PowerVC	2.2.1

#### Remediation/Fixes for version:

[2.1.1](#)

[2.1.1.1](#)

[2.2.0](#)

[2.2.1](#)

[Link](#)

#### AIX HIPERs, APARs and Fixes:

Some of the descriptions for these fixes leave a little to be desired, so I have tried to include some further information to make your lives easier...

- **IJ52167: OBSERVED A TRUSTCHK ERROR IN BM 2433A\_73F WB**

trustchk command will fail for /usr/lib/libxti.a

[Link](#)

- **IJ52166: UNIXV7: STANDARD OUTPUT ISN'T THE SAME AS FILE IN TRAP WITH NUL**  
ksh not able to trap SIGALRM  
[Link](#)
- **IJ52143: ERROR DOING STANZA ATTRIBUTES FOR IOS.CLI.RTE**  
No direct impact on customer.  
[Link](#)
- **IJ52120: CAA: CAA DISABLE POLLING FOR DOWNED REPO DISK**  
The Automatic repository failover failed to switchover to the backup disk, despite having a backup repository disk configured for each LPAR as part of their failover strategy.  
The automatic switchover to these backup disks did not occur as anticipated  
[Link](#)
- **IJ52141: AUDIT OFF AND ON NOT PRESERVE TCP FLAG POST AUDIT START**  
user might see the tcp\_enable\_all\_kevents flag getting cleared when he suspended audit using "audit off"  
[Link](#)
- **IJ52163: DR VERIFY FAILED AFTER 73F VIOS INSTALLATION**  
DR\_VERIFY encountered an error on the 73F VIOS, with the LU validation system call (START\_VALIDATION) failing.  
[Link](#)
- **IJ52140: VNOP\_GETATTR\_FLAGS MIGHT PASS BAD VA\_MASK TO PFS**  
The vnop\_getattr\_flags function may return a bad va\_mask value.  
Problem summary  
Filesystems might receive random vattr.va\_mask value as a part of the input to their vnop\_getattr routine.  
[Link](#)
- **IJ52129: PROBABLE FCSTAT HANG DURING CERTAIN ERROR CONDITIONS.**  
fcstat command may hang during certain error conditions.  
[Link](#)
- **IJ52128: ENTSTAT'S OUPUT "DEVICE TYPE" LOOKS TO BE WRONG FOR AUSTIN**  
Device type header in the entstat output for the Gigabit Ethernet PCIe Adapter(e4145716e4142004) is incorrect.  
[Link](#)
- **IJ52127: SYSTEM TRACES FORMAT INCORRECTLY**  
Gigabit Ethernet PCIe Adapter System traces format getting incorrectly.  
[Link](#)
- **IJ52149: NO FULLPATH FOR SECURITY EVENTS ON MIGRATION/UPGRADE**  
Few events in /etc/security/audit/events wont be modified as per 19R LI requirement.  
[Link](#)

- **IJ52126: ABEND IN TIMER INTERRUPT DUE TO VLANDD LINK WATCHDOG TIMER**

ABEND in timer interrupt with following stack:

```
[0002CB80]abend_trap+000000 ()  
[001010E0]watchdog+0003A0 ()  
[000D3BD8]sys_timer+000178 (??)  
<snip>
```

[Link](#)

- **IJ52148: PROBABLE RMDEV HANG AFTER MICROCODE DOWNLOAD**  
rmdev command hangs sometimes, when invoked after microcode download to unconfigure fcnvme.

[Link](#)

- **IJ52112: FVLI-1NE-SPACE RECLAIM PRINTS JUNK VALUES WITH -M**  
lvmstat prints junk values for space reclaim with -m option # lvmstat -v fvt\_vg1 -m -r PV\_name reclaim Mb\_freed Mb\_pending

<see chris>

[Link](#)

- **IJ52134: SMITTY TOPAS MAY CAUSE TOPASOUT COREDUMP FOR LIST RECORDINGS.**

Selecting List Completed recordings from smitty topas may throw error, if nmon file in provided path to completed recordings is not a valid nmon file. smitty may throws following error and core file will be generated from topasout process.

```
Error from smitty 1800-089 The command being run has been halted.  
The process for the command was halted by signal = 11.
```

[Link](#)

- **IJ52156: MALFORMED LDAP NETGROUP TRIPLE CAUSES USERS TO NOT BE FOUND**

Error description:

Some or all LDAP netgroup users will not be able to be found if a netgroup contains a malformed triple. An example is a missing closing parentheses, like this:

```
(,username,
```

Local fix

Identify and correct any bad netgroup triples in your environment.

[Link](#)

- **IJ52133: LSCFG AND LSMCODE COMMANDS DOESN'T SHOW INFO FOR BOLT**

lscfg and lsmcode commands do not show microcode level and other information for the drives that do not support 0xF1 VS log page

[Link](#)

- **IJ52155: BADLOCK ISSUE CAUSING NFS ACCESS FAILURE WITH ESTALE**

In an NFS Crossmount PowerHA environment, when trying to access an NFS file created by the other node/NFS client,

[Link](#)

- **IJ52110: FVLI-1NE-DISABLING THE MWCC , NOT GETTING THE PROPER OUTPUT**  
# lvmstat -v rootvg 0516-1309 lvmstat: Statistics collection is not enabled for this  
[Link](#)
- **IJ52154: EIO ERRORS FOR LOCK REQUESTS DUE TO BAD\_SEQID**  
EIO errors for lock requests are seen due to a BAD\_SEQID.  
[Link](#)
- **IJ52131: LPAR GOT CRASHED@VFC\_PROCESS\_CTL\_OP\_ADMIN\_IO+000690**  
System crashes.  
[Link](#)
- **IJ52130: I/O FAILS AFTER FEW ITERATIONS OF EEH IN SINGLE FC ADAPTER CASE**  
Might see an Io failure in single FC adapter EEH in a loop.  
[Link](#)
- **IJ52150: CHANGE DEFAULT LLU MODE**  
[Link](#)
- **IJ52138: APPLE-EXT : UNABLE TO BOOT THE SURROGATE VM POST MOVE ADAPTERS**  
LKU rollback operation will not be successful.  
[Link](#)
- **IJ52159: LI-03Y:ISST:LKU IS FAILING WHILE RUNNING WITH WORKLOAD**  
Surrogate LPAR crashes during Live Update.  
[Link](#)
- **IJ52158: SYSTEM CRASH @WLM\_START\_TOTALCLASS+000140**  
Might experience discrepancies in WLM reporting/ accounting if wlm\_start\_totalclass() and wlm\_classify\_all() dont deal with  
[Link](#)
- **IJ52157: OBSERVED COREDUMP DURING FILEMON BUCKET EXEC**  
filemon coredump with malloc debug  
[Link](#)
- **IJ52091: PROBABLE FCSTAT HANG DURING CERTAIN ERROR CONDITIONS.**  
fcstat command may hang during certain error conditions.
- **IJ52024: VIOSUPGRADE TOOL IS FAILING WHILE USER CREATED LV ON ROOT**  
Viosupgrade copies any user JFS2 filesystem identified.  
In a case where an NFS mounted resides within userfs (JFS2), it tries to copy the content of NFS mounted location as well. This causes copy of unwanted files to alt disk  
[Link](#)



- **IJ52067: POST\_VGSYNC REPORTS ERROR MESSAGES DURING MKSYSB RESTORATION**

The post\_vgsync may report below error messages during the first boot after the mksysb restoration:

```
lsattr: 0514-519 The following device was not found in the customized device configuration database:
```

```
hdisk1
```

```
/usr/lpp/bosinst/post_vgsync: test: argument expected
```

[Link](#)

- **IJ52100: BUILD BREAKING WHILE COMPILING LIBC WITHOUT LLU FOR LIBC**

While building the LIBC without LLU, getting errors for undefined variables

[Link](#)

- **IJ52089: ENTSTAT'S OUPUT "DEVICE TYPE" LOOKS TO BE WRONG FOR AUSTIN**

Device type header in the entstat output for the Gigabit Ethernet PCIe Adapter(e4145716e4142004) is incorrect.

[Link](#)

- **IJ52066: LIBXTI.A STANZA CAUSES .SEC FILE ISSUE**

[Link](#)

- **IJ52088: SYSTEM TRACES FORMAT INCORRECTLY**

Gigabit Ethernet PCIe Adapter System traces format getting incorrectly.

[Link](#)

- **IJ52087: ABEND IN TIMER INTERRUPT DUE TO VLANDD LINK WATCHDOG TIMER**

ABEND in timer interrupt with following stack:

```
[0002CB80]abend_trap+000000 ()
```

```
[001010E0]watchdog+0003A0 ()
```

```
[000D3BD8]sys_timer+000178 (??)
```

```
<snip>
```

[Link](#)

- **IJ52041: CAA: CAA DISABLE POLLING FOR DOWNED REPO DISK**

The Automatic repository failover failed to switchover to the backup disk, despite having a backup repository disk configured for each LPAR as part of their failover strategy.

The automatic switchover to these backup disks did not occur as anticipated

[Link](#)

- **IJ52040: EIO ERRORS FOR LOCK REQUESTS DUE TO BAD BAD\_SEQID**

EIO errors for lock requests are seen due to a BAD\_SEQID.

[Link](#)

- **IJ52062: CRASH WHILE COLLECTING NETSTATS INFO**  
Running netstat when a network interface is still coming may cause a system crash with following stack trace:  
    pythread+356800 STACK:  
    Y080CA4EC`netinfo\_ist64+00066C (0000000000000110,  
    0000000000000108,  
    <snip>  
[Link](#)
- **IJ52061: VIOS MAY CRASH IN NPIV STACK**  
VIOS may crash due to NPIV.  
[Link](#)
- **IJ52083: ABEND TRAP IN XMFREE**  
A system crash was observed as the application was trying to free the memory while holding the lock at INTMAX priority.  
[Link](#)
- **IJ52029: RUN. CLIENT HANG WITH 2005 REFERENCE CODE IN HMC AFTER LPM**  
In FC SCSI NPIV setup during LPM runs, client LPAR may hang with 2005 reference code in HMC.  
[Link](#)
- **IJ52027: ISCSI I/O HUNG WHEN TASK CMDS ARE LOST**  
Task management commands i.e. Clear ACA and Abort Task set use same timer. So, when both commands are active at the same time and if we receive response for only one task management command, without waiting further for the second task management response, we simply stop the timer. Under this condition, there is no timer to time this second command and handle the situation.  
Eventually it leads to i/o hang.  
[Link](#)
- **IJ52026: UNKNOWN IPUNLOAD OFED IN ROCEV2 MODE AFTER RPING WAS DONE TO**  
"ofedctrl -u" will hang even after all registered interfaces were deregistered (ifconfig enX down detach) with OFED.  
[Link](#)
- **IJ52103: I/O FAILS AFTER FEW ITERATIONS OF EEH IN SINGLE FC ADAPTER CASE**  
Might see an I/O failure in single FC adapter EEH in a loop.  
[Link](#)
- **IJ52069: LKU FAILED AT SURROGATE BOOT**  
LKU might fail due to surrogate boot issue  
[Link](#)
- **IJ52060: VIOS GOT CRASHED WITH STACK ABEND\_TRAP**  
System will crash.  
[Link](#)

- **IJ52035: APPLE-EXT : UNABLE TO BOOT THE SURROGATE VM POST MOVE ADAPTERS**  
LKU rollback operation will not be successful.  
[Link](#)
- **IJ52034: AN ERROR OCCURRED WHILE CREATING ROOTVG FOR S**  
Live Update fails due to no bootstring error.  
[Link](#)
- **IJ52077: CRASH WHILE RUNNING USE\_TRANS\_1 OFEDVERB**  
system crash in ofed component during device removal stack trace:  
KDB(0)> f  
pvthread+096C00 STACK:  
WARNING: bad IAR: 00000000,  
ÝF10009D5A12871E8"cma\_remove\_id\_dev+0000C8  
ÝF10009D5A12870C4"IPRA.\$cma\_process\_remove+0001C4 (??)  
ÝF10009D5A128FFB8"cma\_remove\_one+000138 (??)  
<snip>  
[Link](#)
- **IJ52032: VIOSBR -DR CLUSTER RESTORE IS FAILING ON 73F NODE.**  
Customers are not able to restore the cluster successfully for -dr option.  
[Link](#)
- **IJ52010: APPLE-EXT : UNABLE TO BOOT THE SURROGATE VM POST MOVE ADAPTERS**  
LKU rollback operation will not be successful.  
[Link](#)
- **IJ52098: LPAR CRASH IN ASO\_GET\_PROCNAME**  
The system will crash with the following call-stack  
Ý0000B488".vm\_att+000004 () Ý005031AC"aso\_get\_procname+00012C  
(??, ??, ??) Ý00003988"syscall+000248 ()  
Ý10000F780"SystemUtility\_get\_process\_name+000080  
<snip>  
[Link](#)
- **IJ52030: VIOS GOT CRASHED WITH STACK ABEND\_TRAP->NPIV\_CHANNEL**  
When the RDMA call failed, it went onto freeing the buffers which was taken from global pool. There were synchronization issues and led to VIOS Crash.  
[Link](#)
- **IJ52096: VIOS MAY CRASH IN STRESSED ENVIRONMENT.**  
VIOS may crash in NPIV stack when client lpars/adapters are frequently removed/reconfigured, while LPM/DR validations are in progress.  
[Link](#)

- **J52094: LSCFG AND LSMCODE COMMANDS DOESN'T SHOW INFO FOR BOLT**  
lscfg and lsmcode commands do not show microcode level and other information for the drives that do not support 0xF1 VS log page.  
[Link](#)
- **IJ52038: CAA: CAA DISABLE POLLING FOR DOWNED REPO DISK**  
The Automatic repository failover failed to switchover to the backup disk, despite having a backup repository disk configured for each LPAR as part of their failover strategy.  
The automatic switchover to these backup disks did not occur as anticipated  
[Link](#)
- **IJ52059: PROBABLE DATA CORRUPTION FOR DATA UNDER RUN CASE**  
Probable data corruption with Emulex 8Gb Fibre channel driver in case of data under situations.  
[Link](#)
- **IJ52058: LACP ERRLOG MESSAGES ARE MISSING THE PORT INFORMATION**  
Etherchannel LACP error messages ECH\_PORT\_IN\_SYNC, ECH\_PORT\_OUT\_OF\_SYNC are showing the Etherchannel device name instead of the affected underlying adapter. This makes it impossible to find the problematic port.  
[Link](#)
- **IJ52071: SMC-R TRAFFIC FAILS WHEN ROCEV2 IS ENABLED**  
SMC-R traffic will fail when RoCEv2 is enabled.  
[Link](#)
- **IJ52070: LKU PREVIEW IS FAILING WITH ERROR**  
LKU Preview will fail or not work as expected, code logic has been modified for when we have the adapters count more than 31  
[Link](#)
- **IJ52092: LPAR GOT CRASHED@VFC\_PROCESS\_CTL\_OP\_ADMIN\_IO+000690**  
[Link](#)
- **IJ52091: PROBABLE FCSTAT HANG DURING CERTAIN ERROR CONDITIONS.**  
fcstat command may hang during certain error conditions.  
[Link](#)
- **IJ51990: SNAP -R IN AIX 7.3 OR VIOS 4.1.X DOES NOT CLEAR SNAP.PAX.GZ**  
Old snap is left over even after "snap -r"  
[Link](#)

- **J52002: POST\_VGSYNC REPORTS ERROR MESSAGES DURING MKSYSB RESTORATION**

The post\_vgsync may report below error messages during the first boot after the mksysb restoration:

```
lsattr: 0514-519 The following device was not found in the customized device
configuration database:
hdisk1
/usr/lpp/bosinst/post_vgsync: test: argument expected
```

[Link](#)

- **IJ52001: CRASH WHILE COLLECTING NETSTATS INFO**

Running netstat when a network interface is still coming may cause a system crash with following stack trace:

```
pythread+356800 STACK:
Y080CA4EC:netinfo_ilst64+00066C (0000000000000110,
0000000000000108,
7C7243A6E8630090, 0000000000000000, 0000000000000000,
0000000000000000 Y???)
<snip>
```

[Link](#)

- **IJ52011: CRASH CAN HAPPEN IF MFS RECOVERY AND DUMP ACTIVITY RUN PARALLEL**

[Link](#)

- **IJ52010: APPLE-EXT : UNABLE TO BOOT THE SURROGATE VM POST MOVE ADAPTERS**

LKU rollback operation will not be successful.

[Link](#)

- **IJ51987: VIOS MAY CRASH IN NPIV STACK**

VIOS may crash.

[Link](#)

- **IJ51988: MALLOC POOL DUMPS CORE AFTER LLU**

customer will not see this issue as LLU is disabled

[Link](#)

- **IJ52009: SMC-R TRAFFIC FAILS WHEN ROCEV2 IS ENABLED**

SMC-R traffic will fail when RoCEv2 is enabled.

[Link](#)

- **IJ52008: LKU PREVIEW IS FAILING WITH ERROR**

LKU Preview will fail or not work as expected, the code logic fails when the adapter count is more than 31

[Link](#)

- **IJ51983: CLUSTER STATUS API HANG**

Users will not be able to fetch cluster status using xml request. Instead ioscli command "cluster -status" can be used.

[Link](#)

- **J52006: LKU PASSED WHEN DECREASE THE RESOURCE VALUES TO**  
If resource values are reduced, it will be a problem when some processes are bound to particular process.  
[Link](#)
- **IJ51984: PROBABLE DATA CORRUPTION FOR DATA UNDER RUN CASE**  
Probable data corruption with Emulex 8Gb Fibre channel driver incase of data under situations.  
[Link](#)
- **IJ52005: LKU FAILED AT SURROGATE BOOT**  
LKU might fail due to surrogate boot issue  
[Link](#)
- **IJ51982: LACP ERRLOG MESSAGES ARE MISSING THE PORT INFORMATION**  
Etherchannel LACP error messages ECH\_PORT\_IN\_SYNC, ECH\_PORT\_OUT\_OF\_SYN are showing the Etherchannel device name instead of the affected underlying adapter.  
This makes it impossible to find the problematic port.  
[Link](#)
- **IJ52014: snmpinfo -m dump -v hrProcessorLoad sometime gives wrong output**  
When hrProcessorLoad is requested some or all of the CPUs may show the value 2147483647 which is obviously invalid.  
[Link](#)

#### AIX HIPERs, APARs and Fixes:

Note these fixes have been published before being made available

- **IJ52068: AN ERROR OCCURRED WHILE CREATING ROOTVG FOR S**  
Live Update fails due to no bootstring error.  
[Link](#)
- **IJ52105: UPDATE INSTALLATION FAILS ON WB 2431A\_73F**  
incompatibility with libc.a and libpthread.a while pthreads lib is older  
<see chris>  
[Link](#)
- **IJ52097: CRASH ON CX3 WHILE CREATING INTERFACE ON LPAR WITH APAR IJ51314**  
KDB(0)> f pvthread+098F00 STACK:  
[Link](#)
- **IJ52090: SYSTEM MAY HANG DURING VIRTUAL ETHERNET CLOSE OPERATION**  
Virtual ethernet adapter close operation may hang in certain error situations.  
[Link](#)
- **IJ51986: INACTIVE LPM FAILED WHEN DEST VIOS HAS 8G FC ADAPT**  
Inactive LPM might fail complaining about capability mismatch  
[Link](#)

- **J52004: AN ERROR OCCURRED WHILE CREATING ROOTVG FOR S**  
Live Update fails due to no bootstring error. This may be a duplicate.

[Link](#)

## PowerSC updates:

- **Version 2.2.0.3**

Updates include

- Automatic profile management using Policies
- Home Page Improvements
- CIS profile for IBMi version 7.5
- PCIv4 profile for AIX and Linux.
- CIS profile for RHEL9
- Restarting agents from PowerSC GUI
- Provision to invoke pmconf replicate command as non root users
- Skipping NFS mount directories for Malware Scans
- Ability to delete range of events from GUI Server
- Ability to use emgr command instead of NIM for ifixes
- Ability to parse FLRT JSON files for ifix management
- Ability to update Malware database for GUI

[Link](#)

## PowerHA alerts:

- **IJ51362: HA:DOC UPDATE FOR "CONFIGURING Error description**

Documentation update for "Configuring CRIT\_DAEMON\_RESTART\_GRACE\_PERIOD" in Administering PowerHA (7.2)

[Link](#)

## Open XL C/C++ for AIX Fix list and publications:

This document contains a complete listing of releases, refreshes (also known as mod packs), and fix packs (also known as PTFs) sorted by version for IBM XL C/C++ for AIX.

[Link](#)

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[Link](#)

## Open XL C/C++ for AIX downloads:

This page contains the latest Utilities package for use with applications developed with the IBM Open XL C/C++ for AIX 17.1.2 compiler.

[Link](#)

## GPFS/Scale updates:

Working on certifying for Ubuntu Server and Windows Servers with NPS 11.2.1.12 which will be available by end of Aug.

[Link](#)

Reseating node fixes “Node e10n2 failed with FATAL ERROR: SYSTEM HALT! Check TPM/TCM Policy!”

[Link](#)

Client encounters IPS restart when running normal procedures. This is caused by GPFS not detecting IPS filesystem.

[Link](#)

## GPFS/Scale releases:

These are the new GPFS/Scale releases:

[Storage Scale Data Access-5.2.1.0-ppc64-AIX-install](#)

[Storage Scale Standard-5.2.1.0-ppc64-AIX-install](#)

[Storage Scale Advanced-5.2.1.0-ppc64-AIX-install](#)

[Storage Scale Data Management-5.2.1.0-ppc64-AIX-install](#)

[Storage Scale Data Management-5.1.9.5-x86\\_64-Linux](#)

[Storage Scale Data Management-5.1.9.5-ppc64LE-Linux](#)

[Storage Scale Data Access-5.1.9.5-s390x-Linux](#)

[Storage Scale Data Access-5.2.1.0-ppc64LE-Linux](#)

[Storage Scale Data Management-5.1.9.5-s390x-Linux](#)

[Storage Scale Standard-5.2.1.0-ppc64LE-Linux](#)

[Storage Scale Data Access-5.1.9.5-ppc64LE-Linux](#)

[Storage Scale Advanced-5.2.1.0-s390x-Linux](#)

[Storage Scale Advanced-5.1.9.5-s390x-Linux](#)

[Storage Scale Advanced-5.2.1.0-ppc64LE-Linux](#)

[Storage Scale Erasure Code-5.2.1.0-x86\\_64-Linux](#)

[Storage Scale Advanced-5.1.9.5-ppc64LE-Linux](#)

[Storage Scale Data Access-5.2.1.0-x86\\_64-Windows](#)

[Storage Scale Standard-5.2.1.0-x86\\_64-Windows](#)

[Storage Scale Data Management-5.2.1.0-ppc64-AIX-update](#)

[Storage Scale Data Management-5.2.1.0-ppc64-AIX-install](#)

[Storage Scale Data Access-5.2.1.0-ppc64-AIX-update](#)

[Storage Scale Data Access-5.1.9.5-x86\\_64-Linux](#)

[Storage Scale Data Access-5.2.1.0-aarch64-Linux](#)

[Storage Scale Standard-5.1.9.5-ppc64LE-Linux](#)

[Storage Scale Data Management-5.2.1.0-aarch64-Linux](#)

[Storage Scale Erasure Code-5.1.9.5-x86\\_64-Linux](#)

[Storage Scale Data Access-5.2.1.0-x86\\_64-Linux](#)

[Storage Scale Standard-5.1.9.5-x86\\_64-Linux](#)



[Storage Scale Data Management-5.2.1.0-x86 64-Linux](#)  
[Storage Scale Standard-5.2.1.0-s390x-Linux](#)  
[Storage Scale Standard-5.2.1.0-x86 64-Linux](#)  
[Storage Scale Data Management-5.1.9.5-ppc64-AIX-update](#)  
[Storage Scale Data Access-5.2.1.0-s390x-Linux](#)  
[Storage Scale Data Access-5.1.9.5-ppc64-AIX-update](#)  
[Storage Scale Standard-5.1.9.5-s390x-Linux](#)  
[Storage Scale Data Management-5.2.1.0-s390x-Linux](#)  
[Storage Scale Advanced-5.2.1.0-x86 64-Linux](#)  
[Storage Scale Data Management-5.2.1.0-ppc64LE-Linux](#)  
[Storage Scale Data Access-5.2.1.0-ppc64-AIX-install](#)  
[Storage Scale Advanced-5.1.9.5-ppc64-AIX-update](#)  
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[Storage Scale Data Access-5.1.9.5-x86 64-Windows](#)  
[Storage Scale Standard-5.1.9.5-x86 64-Windows](#)

#### Firmware/Microcode updates:

- **IBM Power10 New Microcode for Firmware 1030 ... 1030.61**  
Service pack 1030.61 is now available for system firmware levels, ML1030, MM1030 and MH1030.  
This service pack addresses Security/HIPER issues - CVE-2023-1206 and CVE-2023-45871  
[Link](#)

Keep safe and I will provide further updates at the end of September.  
Red, Belisama