

## July Newsletter

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Greetings all,

I am very fortunate to have had many projects that can be worked on from the comfort of my cluttered desk. This month I have been having fun with:

- Documenting a great tool to replicate data from your Data Centre to the Cloud. This document shows how to set up AIX replication using GLVM standalone – replicating data between two AIX systems over IP, see:  
[https://eaffc1fa-cb21-45eb-a564-6f5d4f246ea9.filesusr.com/ugd/3fa2a4\\_4727aa662f574203a9b218b77efc7912.pdf](https://eaffc1fa-cb21-45eb-a564-6f5d4f246ea9.filesusr.com/ugd/3fa2a4_4727aa662f574203a9b218b77efc7912.pdf)  
I have also put together a demo of the operation of both synchronous and asynchronous versions in the IBM cloud if anyone would like to see it in operation. I have also created a few scripts to harvest some key performance data and then present it with a Grafana dashboard – Makes monitoring it very easy!
- Working on two IBM Specialty exams, which are now available:
  - IBM AIX v7 Administrator Specialty – S1000-007  
<https://www.ibm.com/certify/specialty?id=S1000-007>
  - IBM PowerHA SystemMirror V7.2.5 AIX Administrator Specialty S1000-008  
<https://www.ibm.com/certify/specialty?id=S1000-008>
- Installing PowerSC MFA with database replication between two sites. While the PowerSC MFA documentation covers HA implementation using shared database, I was not able to configure this for one of my customers. Instead I have configured and tested using the database tools to replicate the MFA database between two systems. The document will be available soon, but let me know if you are interested in the meantime or would like a demo.

### Quick bites

#### **IBM PowerHA SystemMirror V7.2.5 AIX Administrator Specialty**

This exam is now available (<https://www.ibm.com/certify/specialty?id=S1000-008>) and I would encourage anyone with PowerHA (HACMP) skills to get certified.

#### **Best Practices for AIX in a SAN Environment: Part 1**

Jose Luis Ortega explains some key best practices for AIX in a SAN environment, such as storage systems, FC connectivity and multipathing recommendations, see:

[https://techchannel.com/IT-Strategy/06/2021/best-practices-aix-san?utm\\_source=Acoustic&utm\\_medium=email&utm\\_campaign=063021\\_TechBeat\\_SMB%20\(1\)%20Live%20Send&utm\\_content=Article%201%20CTA&spMailingID=18927563&spUserID=NTg4NTkxNTQwMTE5S0&spJobID=2146304509&spReportId=MjEONjMwNDUwOQS2](https://techchannel.com/IT-Strategy/06/2021/best-practices-aix-san?utm_source=Acoustic&utm_medium=email&utm_campaign=063021_TechBeat_SMB%20(1)%20Live%20Send&utm_content=Article%201%20CTA&spMailingID=18927563&spUserID=NTg4NTkxNTQwMTE5S0&spJobID=2146304509&spReportId=MjEONjMwNDUwOQS2)

#### **ESS VUG (No, not Spectrum Scale, Entitled Systems Support)**

The next Power Systems VUG with Jakub Kucharski will be held on 29/7/21 at 23:00 UTC +8. Entitled Systems Support (ESS) is IBM's one-stop-shop for accessing and managing most hardware and software and the associated keys for Power, Storage and System Z, through e-config. It is also where Elastic Capacity on Demand, Enterprise Pools 2.0 and Power Virtual Server (IBM cloud) clients

manage their digital capacity. ESS is the global aggregate of the complete inventory stack which is integrated directly with e-config on Cloud and CPQ Hub.

The recording and slides will be available a few days after the session at:

<https://www.ibm.com/support/pages/power-systems-virtual-user-group>

## **Modernisation of PowerVM NPIV stack: from Single to Multiple Queue Support**

NINAD PALSULE posted an update of this feature which is available for AIX 7.2.5 and above as well as VIO 3.1.2 and above. To see how the PowerVM virtual NPIV stack has improved I/O throughput by adding multiple queues, see:

<https://community.ibm.com/community/user/power/blogs/ninad-palsule1/2021/07/26/powervm-npiv-multi-queue-support>

## Coming soon

- **IBM Virtual TechU 2021** - 25-28 October  
Get ready for IBM's key technical event in 2021, see:  
<https://www.ibm.com/training/events/vtechu2021>

## In case you missed ....

### **ASEAN Power (AIX, i Linux) July Meetup**

There were two sessions:

- Oracle on IBM POWER Systems vs Oracle Exadata: Facts vs Fiction by François Martin and Frederic Dubois (IBM)
- IBM's consistent view on hybrid cloud architectures for SAP by Katharina Probst (IBM)

Presentations will be available from the IBM Community within a few days of the presentation:

<https://community.ibm.com/community/user/communities/globalgrouphome?CommunityKey=63dd8216-5e59-4ab1-a119-cff1df1f6191>

### **IBM Elastic Storage System (ESS) Webinar: Upgrading ESS**

This webinar focuses on how to upgrade IBM Elastic Storage System (ESS)

<https://ibm.ent.box.com/s/o7gd1q0zrnn6cb09d4be2xnlq1alba5l/folder/141191269924>

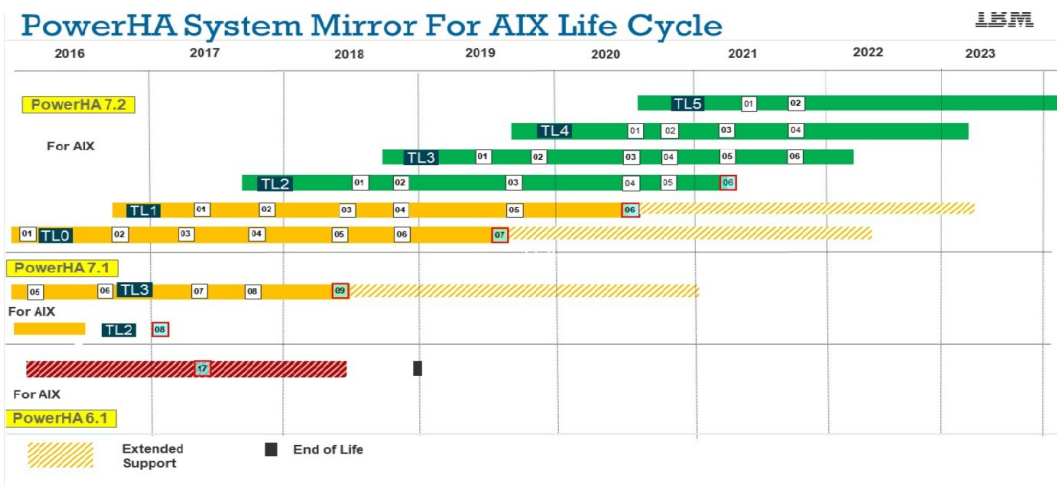
## Redbooks and Redpapers

- **SAP HANA Data Management and Performance on IBM Power Systems**, Redpaper, published 23 Jul 2021  
<https://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/redp5570.html?Open>
- **IBM FlashSystem Best Practices and Performance Guidelines**, Redbooks, published 13 May 2021, last updated 29 Jul 2021  
<https://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg248503.html?Open>
- **IBM FlashSystem 9200 and 9100 Best Practices and Performance Guidelines**, Redbooks, published 11 Feb 2020, last updated 19 Jul 2021  
<https://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg248448.html?Open>
- **IBM Power Systems Private Cloud with Shared Utility Capacity: Featuring Power Enterprise Pools 2.0**, Redbooks, published 24 Feb 2021, last updated 13 Jul 2021  
<https://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg248478.html?Open>
- **Introduction Guide to the IBM Elastic Storage System**, Draft Redpaper, last updated 13 Jul 2021  
<https://www.redbooks.ibm.com/Redbooks.nsf/RedpieceAbstracts/redp5253.html?Open>

## IBM Alerts and notices

### AIX Updates:

- **AIX Service Pack 7200-04-04-2114**  
This service pack contains important fixes delivered between Technology Levels. Service Pack 7200-04-04-2114 is based on Technology Level 7200-04.  
[https://www.ibm.com/support/pages/node/6458225?myns=aix&mynp=OCSG11S&mync=E&cm\\_sp=aix-\\_-OCSG11S-\\_-E](https://www.ibm.com/support/pages/node/6458225?myns=aix&mynp=OCSG11S&mync=E&cm_sp=aix-_-OCSG11S-_-E)
- **AIX Service Pack 7200-03-07-2114**  
This Service Packs contain important fixes delivered between Technology Levels. Service Pack 7200-03-07-2114 is based on Technology Level 7200-03.  
[https://www.ibm.com/support/pages/node/6467135?myns=aix&mynp=OCSG11S&mync=E&cm\\_sp=aix-\\_-OCSG11S-\\_-E](https://www.ibm.com/support/pages/node/6467135?myns=aix&mynp=OCSG11S&mync=E&cm_sp=aix-_-OCSG11S-_-E)
- **AIX 7.1, Security Bulletin: Vulnerability in BIND affects AIX (CVE-2021-25215)**  
[https://www.ibm.com/support/pages/node/6476802?myns=aix&mynp=OCSWG10&mynp=OCOE609&mync=E&cm\\_sp=aix-\\_-OCSWG10-OCOE609-\\_-E](https://www.ibm.com/support/pages/node/6476802?myns=aix&mynp=OCSWG10&mynp=OCOE609&mync=E&cm_sp=aix-_-OCSWG10-OCOE609-_-E)
- **PowerSC Standard Edition - Vulnerabilities in Curl affect PowerSC (CVE-2021-22876 and CVE-2021-22890)**  
[https://www.ibm.com/support/pages/node/6471359?myns=swgother&mynp=OCSSTQK9&mync=E&cm\\_sp=swgother-\\_-OCSSTQK9-\\_-E](https://www.ibm.com/support/pages/node/6471359?myns=swgother&mynp=OCSSTQK9&mync=E&cm_sp=swgother-_-OCSSTQK9-_-E)
- **PowerHA SystemMirror**
  - **Downloads and drivers: PowerHA-7.2.5 SP1.**  
SP1 is cumulative and includes all fixes completed since the last service pack. Also see below for support lifecycle  
[http://www.ibm.com/support/fixcentral/quickorder?product=ibm%2FOther+software%2FPowerHAClusterManager&fixids=PowerHA-7.2.5.1&source=myna&myns=swgother&mynp=OCSSPHQG&mync=E&cm\\_sp=swgother-\\_-OCSSPHQG-\\_-E](http://www.ibm.com/support/fixcentral/quickorder?product=ibm%2FOther+software%2FPowerHAClusterManager&fixids=PowerHA-7.2.5.1&source=myna&myns=swgother&mynp=OCSSPHQG&mync=E&cm_sp=swgother-_-OCSSPHQG-_-E)
  - Details about the fixes  
[https://www.ibm.com/support/pages/node/6471967?myns=swgother&mynp=OCSSPHQG&mync=E&cm\\_sp=swgother-\\_-OCSSPHQG-\\_-E](https://www.ibm.com/support/pages/node/6471967?myns=swgother&mynp=OCSSPHQG&mync=E&cm_sp=swgother-_-OCSSPHQG-_-E)



## Spectrum Scale / ESS Updates:

- ESS fixes for ESS\_DAE\_BASEIMAGE-6.1.1.1** – various flavours  
[http://www.ibm.com/support/fixcentral/quickorder?product=ibm%2FStorageSoftware%2FIBM+Elastic+Storage+Server+%28ESS%29&fixids=ESS\\_DAE\\_BASEIMAGE-6.1.1.1-x86\\_64-Linux&source=myna&myms=s033&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTHMCM-\\_-E](http://www.ibm.com/support/fixcentral/quickorder?product=ibm%2FStorageSoftware%2FIBM+Elastic+Storage+Server+%28ESS%29&fixids=ESS_DAE_BASEIMAGE-6.1.1.1-x86_64-Linux&source=myna&myms=s033&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTHMCM-_-E)  
 and notice of Software withdrawal and support discontinuance for IBM Spectrum Scale 5.0 programs  
[https://www.ibm.com/support/pages/node/6470289?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTXKQY-OCSTHMCM-\\_-E](https://www.ibm.com/support/pages/node/6470289?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTXKQY-OCSTHMCM-_-E)
- IBM Spectrum Scale and IBM Elastic Storage Server (ESS) Technical Support Newsletter June, 2021**  
[https://www.ibm.com/support/pages/node/6473155?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTXKQY-OCSTHMCM-\\_-E](https://www.ibm.com/support/pages/node/6473155?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTXKQY-OCSTHMCM-_-E)
- Spectrum Scale issue with mmfsc**  
 IBM has identified a suspected issue in all supported versions of IBM Spectrum Scale in which the execution of online mmfsc with the -y option may result in file system corruption, specifically duplicate allocation of data blocks. File system corruption of this type may result in undetected file data corruption.  
 Note, this problem may also exist in older unsupported versions of Spectrum Scale but that has not been confirmed.  
 Details:  

Product	OS	Version
IBM Elastic Storage Server	Linux	5.3.0, 6.0.0, 6.1.0
IBM Spectrum Scale	Linux	5.0.0, 5.1.0

[https://www.ibm.com/support/pages/node/6474135?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTXKQY-OCSTHMCM-\\_-E](https://www.ibm.com/support/pages/node/6474135?myms=s033&mymp=OCSTXKQY&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTXKQY-OCSTHMCM-_-E)
- IBM Elastic Storage Server (ESS)**
  - Security Bulletin: glibc vulnerability affects IBM Elastic Storage System (CVE-2021-27219)**  
[https://www.ibm.com/support/pages/node/6476210?myms=s033&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTHMCM-\\_-E](https://www.ibm.com/support/pages/node/6476210?myms=s033&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTHMCM-_-E)
  - Security Bulletin: There are multiple vulnerabilities in the Linux Kernel used in IBM Elastic Storage System**  
[https://www.ibm.com/support/pages/node/6470875?myms=s033&mymp=OCSTHMCM&mync=E&cm\\_sp=s033-\\_-OCSTHMCM-\\_-E](https://www.ibm.com/support/pages/node/6470875?myms=s033&mymp=OCSTHMCM&mync=E&cm_sp=s033-_-OCSTHMCM-_-E)

Keep safe and catch you in August,  
Red, Belisama