

RESOURCES WG UPDATES

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S3 storage

- What to use
 - Ceph – how it works (Renato, Yusuke-San)
 - Scality – richer capability compare to Minio (nadya)
- Build recipes for using S3 (AIST, NCHC)
 - Evaluate setup needs
 - Networking
 - Firewalls
- Identity management (Shava)
 - Identity federation (EduGain), what is needed to join
 - What identity management is used with Amazon, how to leverage this (Shava, David)
- Deploying experimental Spectrum scale testbed (AU, David, 2 sites or more) (UCSD, AU, AIST, NAIST)
- What data to store
 - Airbox (NCHC)
 - Other??
 - Virtual images (VMs, containers, AIST)
- Integrate with PRAGMA-ENT (Ichikawa-san, Shava, nadya)
- Evaluate performance (UCSD)

Containers

- Currently run
 - AIST – docker, singularity (Takano-san)
 - AU – singularity.
 - NCHC – docker (Weicheng)
 - NAIST – docker
- Most images are deployed as needed “by hand”
 - AI images for docker from docker hub.
- Usage:
 - Some AI images need GPU (Yusuke-san, Nadya)
 - GRAPLER may be possible to wrap some libraries in a container (Renato)
- Share “Howto” recipes

Virtual GPU

- Running Amber application in a VM (Heru, Nadya)
- Traffic monitoring application to process movies (from data sensors, NCTU) (Jason)
- Image analysis applications (Renato)

SDN

- ENT –enabled virtual cluster, multi-site (Shava, Shimojo-san, Ichikawa-san, Nadya)
 - Virtual instances of controller, etc.
 - 2+ sites involved
 - 2-3 nodes from basic images
- IPOP (Ken, Nadya, Shava)
 - Extend pragma_boot to use IPOP