

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance.

ADC Requirements and Recommendations for Sites

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Some Goals For ATLAS Sites

- Unify and simplify treatment of all ATLAS sites
 - **Complete transition to HTCondor-CE**
- Eliminate legacy protocols
 - BDII
 - Lcg-utils
- Automate APF usage, thereby simplifying manpower needs
- Migration of USERDISK to SCRATCHDISK
- Preparation for SL7
- Other interesting trends

ATLAS Site Simplification

- The goal is to Unify and Simplify treatment of all ATLAS sites
 - Naming of “Resources” in a more common and somewhat standardized ways
 - Eg, Panda Queue naming
 - All sites should create AGIS entries in the same way and with the same conventions
 - Complex, multi-location sites (eg, NET2, SWT2) may require close coordination with Ale DiG
- **The transition to HTCondor-CE has been pushed for over a year now.**
 - **Can everyone just please do this? Without further delay?**

Eliminate the BDII

- This primarily affects SAM tests
 - Implement ETF default in AGIS and auto set it to queue with `pq_is_default=1` & `pq_capability=score` (sites can change this manually if we don't pick the right queue from start)
 - Add `etf_default` flag to `ce_resources` in the VO feed (to propagate the information, so we can configure ETF), see <https://twiki.Cern.Ch/twiki/bin/view/EGEE/vofeeddoc> for details
 - As was agreed in the last IS TF, add `nonprod=true/false` flags to services in the VO feed, marking non-production services. I would take `is_monitored=0` and `status != production` for this as a start. ETF will anyway still monitor all services, it's just that SAM3 won't consider them for reports (corner cases can be followed up during validation) and we can drop the existing code we have for this.
- Site admins should check their AGIS queues for these settings and adjust as appropriate
- Site validation cannot begin until the first 2 points are completed
 - Historically this has taken 6-12 weeks to then complete

Eliminate the BDII

- Status update, March 6, 2017
 - We implemented a flag in AGIS (etf_default) and a corresponding change has been done to the SAM ETF probe. However, the change is applied only for pre-production. Currently, validation of the new system is being done. It may take additional two or more weeks to make sure everything works.
 - See <https://its.cern.ch/jira/browse/ADCINFR-33>

Dropping of LCG-utils

- OSG no longer provides the lcg-utils
 - Still available from EPEL
 - New mover controls do not support them
 - Of course, lsm could still use lcg-utils suite, but....
- The ADC considers this a closed issue

APF AND QUEUES

- The new, automated APF will pull information from AGIS queues
 - No more use of manual setups at BNL (for US)
- OSG 3.3.21 recently released with many enhancements for this
 - [Resource entry CHANGEME] section in 30-gip.ini
 - Osg-configure pulls info directly from this section as input to AGIS via OSG GOCDDB
 - See google doc for examples of how to configure this at your site
 - https://docs.google.com/document/d/1D-Z3_FTKfPVKZDe-WRsbHcc62pcj_ZPqrbVz6ULhW_Q/edit
- All site admins should follow up on this ASAP
- Interesting Note: Time granularity for new AGIS/switcher2 mechanism to check downtimes in GOCDDB is about 20-30 minutes.
 - Be wary of when you change the duration of an outage
 - Working on correct mapping of GOCDDB downtime names to AGIS downtime names

Migration of USERDISK to SCRATCHDISK

- Armen will coordinate with sites
- During switchover, following an initial boost space token sizes will gradually swap between the two
- Change is likely to be a simple reorder of the “Associated DDM Storages“ on the queues
- <https://its.cern.ch/jira/browse/ADCINFR-38>

Preparation for SL7

- There is no rush to this, but I don't believe there are now any reasons to hang back
- Singularity will allow SL6 images to run natively inside an SL7 WN
- <https://its.cern.ch/jira/browse/ADCINFR-11> on CentOS7 WNs readiness
- <https://twiki.cern.ch/twiki/bin/view/AtlasComputing/CentOS7Readiness>

Other new trends from ADC

Things worth paying attention

- Container technology
 - singularity-2.2.1-1.osgup.el6.x86_64 is available from osg-forthcoming repo
- Ipv6
- Object store such as ceph
 - Efforts underway at multiple sites
- Globus online for data transfer
- Making srm optional
- Store caching
- AFS free (CERN not ADC)

Some Interesting Links

- A list of registered ADC Infrastructure issues is here
 - <https://its.cern.ch/jira/projects/ADCINFR/issues/ADCINFR-28?filter=allopenissues>
- ADC Technical Coordination Board meetings every Monday 4pm CERN Time
 - Vidyo room: ADC_Technical_Coordination_Board
- ADC Weekly meeting every Tuesday 3:40pm CERN Time
 - Vidyo room: ADC_Weekly