



# VOfeed Next Steps

Information System Task Force  
December 2016

# Optional attributes in VOfeed

- Only ATLAS is supporting optional attributes in their QA (development) VOfeed
  - What are experiments plans to implement such optional attributes in their feed generation code?
    - ALICE is planning to take the full CE specifications from LDAP, instead of just the hostnames
      - This could be done early next year

# ALICE and CMS VOfeed status

- ALICE VOfeed
  - Maintained and hosted by IT-MM
  - What are ALICE plans to take care of maintaining and hosting their VOfeed?
    - ALICE have been asked to consider integrating the VOfeed generation into the central AliEn services; no decision yet
- CMS VOfeed
  - Maintained by CMS
  - Hosted by IT-MM
  - What are CMS plans to take care of hosting their VOfeed?
    - CMS didn't have any plans to host the VOfeed. This needs further discussion with IT Monitoring team.
      - Can this continue like this until CRIC is ready?

# Production vs Non Production

- In order to document better current VOfeeds implementations, could experiments provide information on the following:
  - What services does your VOfeed currently provide, in terms of production/non-production services?
  - Does your VOfeed rely on any flags from GOCDB/OIM, i.e. is\_monitored? If yes, which ones?

# ALICE VOfeed

- Sites are selected from the ALICE LDAP server with "official LCG name" flag set
  - VOBOXes
  - CEs
  - SEs
  - Also marked with "official LCG service" flag
- Each selected site also has an "official LCG tier" flag
  - Only the T0/1/2 sites will be processed for the A/R reports.
- There currently is no way to mark such an "official" service as "test"
  - There was no need for it yet
    - The CE tests could profit from such a distinction
    - All SEs and VOBOXes are anyway tested directly by ALICE via MonALISA
      - Irrespective of VO feed flags!

# ATLAS VOfeed

	AGIS flags	GOCDDB flags	OIM flags	SAM flags
ATLAS	<ul style="list-style-type: none"><li>• Status</li><li>• Is_monitored</li><li>• State=active</li></ul>	<ul style="list-style-type: none"><li>• “production level”</li><li>• “monitored”</li></ul>	<ul style="list-style-type: none"><li>• “Hidden”</li><li>• “Part of Interop Monitoring”</li></ul>	<ul style="list-style-type: none"><li>• service_status=production</li><li>• service_is_monitored=1</li></ul>

- VOfeed generated for all resources with *State=active*
- *Status* and *is\_monitored* flags in AGIS are sync with GOCDDB/OIM flags
- SAM3 filters out ATLAS VOfeed for production services by querying AGIS:  
*state=active&status=production&is\_monitored=true*

# CMS VOfeed

- The following CMS tools are used to generate the VOfeed
  - SiteDB to get a list of sites and grid names
  - PhEDEx to get the list of SEs (PhEDEx in turn gets them from scanning SITECONF, i.e. the site configuration repository of CMS)
  - Glide-In WMS factory configuration to get the list of CEs
- All production and integration/development/test CEs/SEs are included

# LHCb VOfeed

- Generated from DIRAC Configuration Service
  - Ultimately that comes from BDII
  - But there are opportunities for manual changes downstream
  - The plan is to get information from GOCDB in the future
- VOfeed includes only production services:
  - CE hostnames and flavours (CREAM-CE, VAC, ARC-CE etc)
  - SRM hostnames and paths
  - Site Tier level based on the MoU Level (0/1/2)
  - LHCb subTier which is used to distinguish between Tier-2 and Tier-2D



# CRIC and VOfeed

- Plans to support Vofeed from CRIC
  - Will it be supported as it is now?
    - CRIC will support the Vofeed as it is now to those experiments who adopt CRIC as IS
  - If not, what are the alternatives?
    - Experiments not relying on Vofeed will have to find the way to provide the Vofeed as they do today
- Transition from Vofeed to CRIC feed
  - Tentatives dates
    - It depends on experiments to be on CRIC and to validate their data