NAF 2 Status: ATLAS.

Status and problems from the ATLAS users on NAF-2

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DESY

NAF-2: ATLAS Status

> NAF-1 is over. No emergencies, users ready for the change.

> 27 Sonas directories remain in the NAF-1 namespace, no plans to migrate this data unless requested (list at end of this talk)

- Is a total of 39 TB of allocated quota: ~ 10% of total or an additional 33% of possible free space to allocate to other users

- Can be recovered on June 1st to add to NAF-2? Will inform users one final time

- Prescription to copy NAF-1 afs data to NAF-2 ok

> NAF-2 working ok, may request to move 2 more wgs to SLD6 soon

- Still many issues, but some of them finally on the way to being resolved

- After benchmarking tests of compilation confirmed the problem, native cvmfs mounts are now requested on all our NAF-2 working group servers

- _md5 problem, with strange 24h stability patterns on wgs now under investigation – not to forget that this is also affecting batch nodes (my list: bird211,201,131,114,207,219,112...)

- There are still nodes that do not have a cvmfs mount at all, despite requesting "-l cvmfs", this is crucial to ATLAS (my list: bird120 ,080,132,123, 035 and more recently 329)

Log file of _md5 crash

```
grid-cvmfs0.desy.de /cvmfs/atlas.cern.ch
grid-cvmfs2.desy.de /cvmfs/atlas-condb.cern.ch
grid-cvmfs2.desy.de /cvmfs/atlas-nightlies.cern.ch
grid-cvmfs2.desy.de /cvmfs/sft.cern.ch
          inet addr:131.169.168.62  Bcast:131.169.168.255  Mask:255.255.255.0
Tue Mar 11 15:43:04 CET 2014
Preloading tcmalloc_minimal.so
Py:Athena              INFO including file "AthenaCommon/Preparation.py"
Py:Athena              INFO using release [AtlasPhysics-17.2.11.1.5] [i686-slc5-gcc43-opt] [17.2.11.Y.Z-VAL-AtlasPhysics/rel_2] -- built on [2013-12-16 23:33]
Py:Athena              INFO including file "AthenaCommon/Bootstrap.py"
Py:Athena              INFO including file "AthenaCommon/Atlas.UnixStandardJob.py"
Py:Athena              INFO including file "AthenaCommon/Execution.py"
Py:Athena              INFO including file "/afs/desy.de/user/s/southd/myNightlies/nightlyCvmfsCheck/test.py"
Py:Athena              INFO including file "RecExCond/RecExCommon_flags.py"
Py:RecExCommon_flags    INFO Full auto-configuration has been triggered by FilesInput()
Py:AutoConfiguration    INFO Auto-configuration key 'everything' requested. All default keys will be used.
Py:AutoConfiguration    INFO Auto-configuration will procede according to the following keys:
Py:AutoConfiguration    INFO ['ProjectName', 'RealOrSim', 'FieldAndGeo', 'BeamType', 'ConditionsTag', 'DoTruth', 'InputType', 'BeamEnergy', 'LumiFlags', 'TriggerStream']
Py:inputFilePeeker    INFO Executing    inputFilePeeker.py
Shortened traceback (most recent user call last):
  File "/afs/desy.de/user/s/southd/myNightlies/nightlyCvmfsCheck/test.py", line 6, in <module>
    include("RecExCond/RecExCommon_flags.py")
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasEvent/17.2.11/InstallArea/jobOptions/RecExCond/RecExCommon_flags.py", line 235, in <module>
    ConfigureFromListOfKeys(rec.AutoConfiguration())
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasEvent/17.2.11/InstallArea/python/RecExConfig/AutoConfiguration.py", line 909, in ConfigureFromListOfKeys
    rec.projectName=GetProjectName()
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasEvent/17.2.11/InstallArea/python/RecExConfig/AutoConfiguration.py", line 282, in GetProjectName
    from RecExConfig.InputFilePeeker import inputFileSummary
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasEvent/17.2.11/InstallArea/python/RecExConfig/InputFilePeeker.py", line 229, in <module>
    _setup()
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasEvent/17.2.11/InstallArea/python/RecExConfig/InputFilePeeker.py", line 45, in _setup
    import PyUtils.AthFile as athFile
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/AtlasCore/17.2.11/InstallArea/python/PyUtils/AthFile/__init__.py", line 14, in <module>
    import hashlib
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/sw/lcg/external/Python/2.6.5/i686-slc5-gcc43-opt/lib/python2.6/hashlib.py", line 136, in <module>
    md5 = __get_builtin_constructor('md5')
  File "/cvmfs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.11/sw/lcg/external/Python/2.6.5/i686-slc5-gcc43-opt/lib/python2.6/hashlib.py", line 63, in __get_builtin_constructor
    import _md5
ImportError: No module named _md5
Py:Athena              INFO leaving with code 3: "an error occurred when importing a file"
```

Remaining ATLAS Sonas directories in NAF-1 namespace

anderr	*baumann*	*chastero*	*conradf*	*dennisw*
elmsheus	*hass*	*hzhu*	*jcosta*	*jnagel*
juluck	*karnem*	*lungwitz*	*madar*	*pbechtle*
prudent	*pvankov*	*rammes*	*rieck*	*rupp*
ruthmann	*schwabe*	*sschaetz*	*tkohno*	*waters*
wildt	*ykemp*			

> A mixture of summer students and expired users

> Mostly 1 TB quota (20/27), but two 2 TB and five 3 TB (making 39TB in total)