

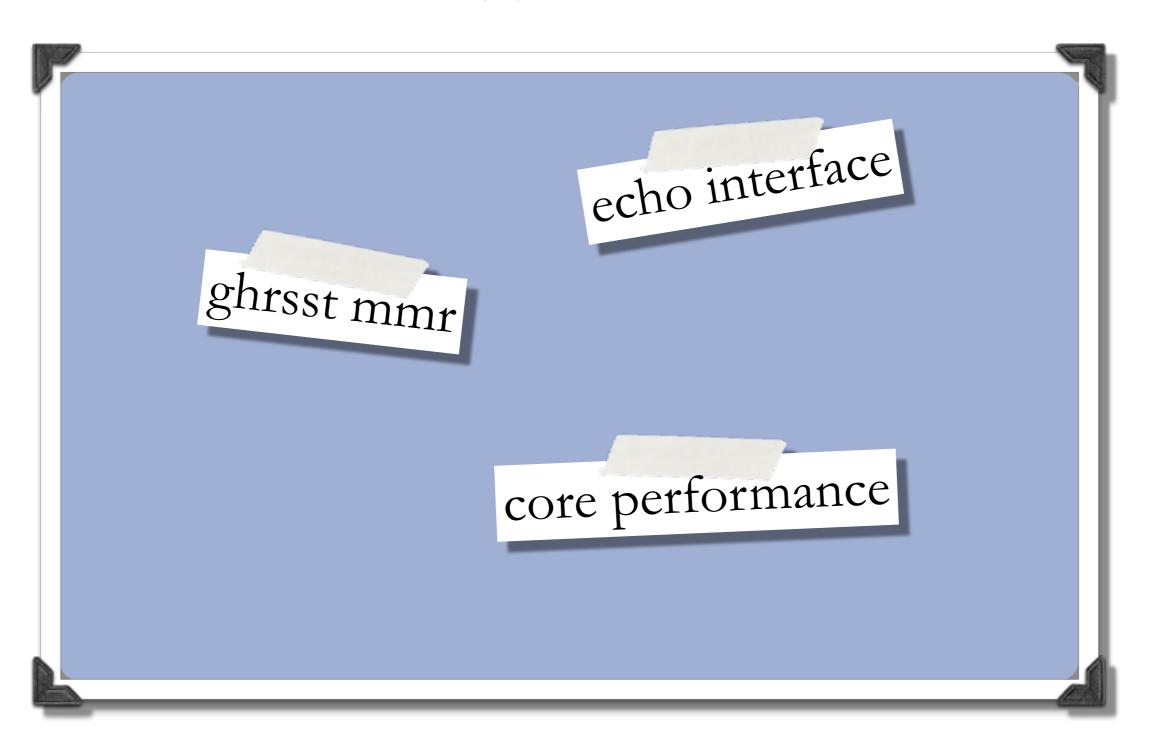


# System v1.3.2

Release Description Document (RDD) Review

> Thomas Huang July 30, 2009

# What



### Speeeeeed Improvement



#### v1.3.1 Performance

Ingest	2 (26 parallel jobs)
Archive	2 (26 parallel jobs)

#### v1.3.1 Performance

Ingest2 (26 parallel jobs)Archive2 (26 parallel jobs)

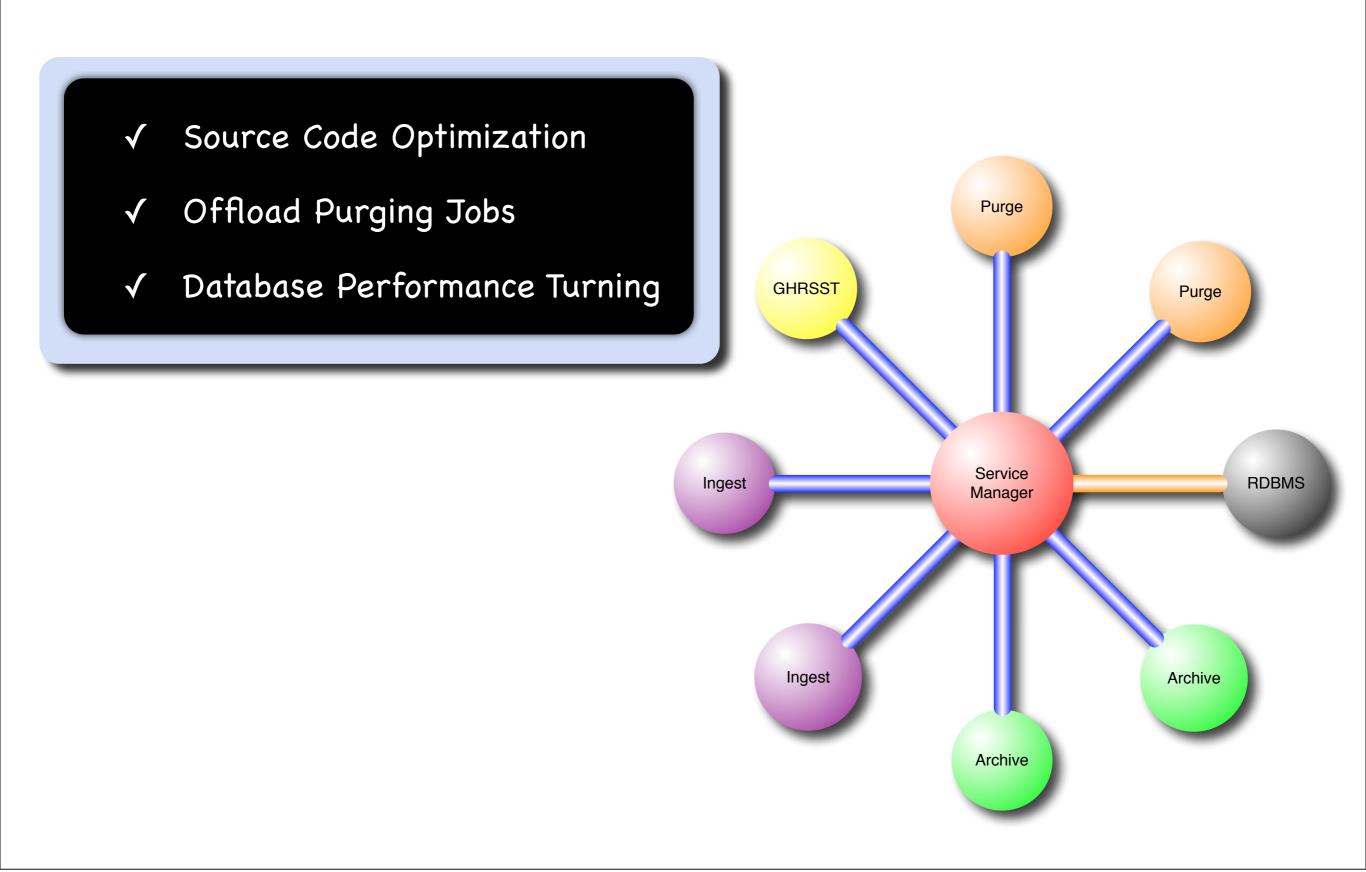


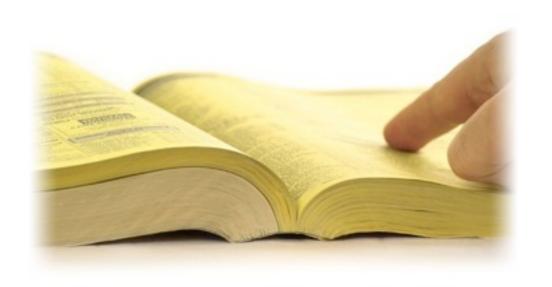
"premature optimization is the root of all evil."



Donald Knuth
"The Art of Computer Programming"

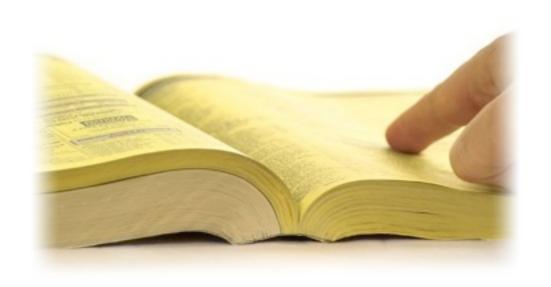
- √ Source Code Optimization
- ✓ Offload Purging Jobs
- ✓ Database Performance Turning





Ingest	2 (26 parallel jobs)
Archive	2 (26 parallel jobs)
Purge	1 (10 parallel jobs)

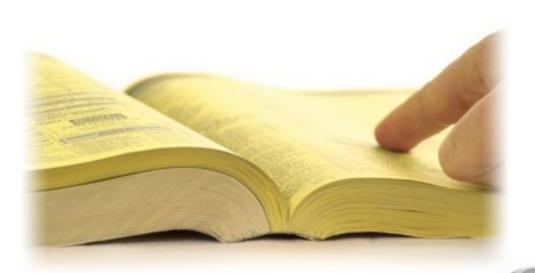
index



Ingest	2 (26 parallel jobs)
Archive	2 (26 parallel jobs)
Purge	1 (10 parallel jobs)

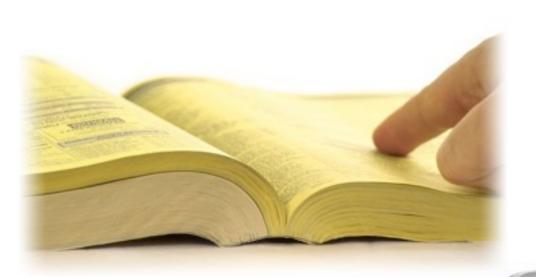
index index





Ingest	3 (36 parallel jobs)
Archive	3 (36 parallel jobs)
Purge	2 (20 parallel jobs)





Ingest	3 (36 parallel jobs)
Archive	3 (36 parallel jobs)
Purge	2 (20 parallel jobs)





#### ECHO Workaround

```
<OnlineAccessURLs>
 <OnlineAccessURL>
  <URL>ftp://...</URL>
  <URLDescription>The OPENDAP location for the granule.
 </OnlineAccessURL>
 <OnlineAccessURL>
  <URL>http://...</URL>
  <URLDescription>The OPENDAP location for the granule./URLDescription>
 </OnlineAccessURL>
 <OnlineAccessURL>
  <URL>ftp://...</URL>
  <URLDescription>The FTP location for the granule.</URLDescription>
 </OnlineAccessURL>
 <OnlineAccessURL>
  <URL>ftp://...</URL>
  <URLDescription>The FTP location for the granule.</URLDescription>
 </OnlineAccessURL>
</OnlineAccessURLs>
```





#### ECHO Workaround







#### GHRSST MMR Validation

UPA-L2P-ATS-NR\_2P

✓ Invalid XML element ordering

```
<Metadata_History>
    <FR_File_Version>1</FR_File_Version>
    <FR_Creation_Date>20090511T164615Z</FR_Creation_Date>
    <FR_Revision_History>Created from: /data/12pdir/input/
ats_nr_2p_nrt/
ATS_NR_2PNPDK20090509_071720_000043002078_00464_37592_0827.N1 at
processing centre: UPA</FR_Revision_History>
    <FR_Last_Revision_Date>20090511T164615Z</FR_Last_Revision_Date>
</Metadata_History>
```

#### GHRSST MMR Validation

UPA-L2P-ATS-NR\_2P

✓Invalid XML element ordering

### What is the dataset name?

UPA-L2P-ATS-NR\_2P before 2009-06-25 04:15:03 UPA-L2P-ATS\_NR\_2P

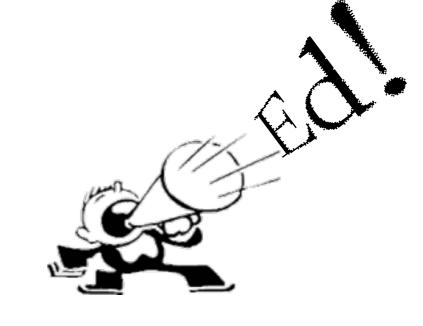
after 2009-06-25 04:15:03

## What is the dataset name?

UPA-L2P-ATS-NR\_2P before 2009-06-25 04:15:03 UPA-L2P-ATS\_NR\_2P

after 2009-06-25 04:15:03





#### v1.3.2 Affected Components

- common/common-mmr · mmr\_fr.xsd - distribute/distribute-main · ECHO workaround - ingest/ingest-api · new PURGE sterotype - inventory · new create\_index.59/ - middleware/manager · support new PURGE engine · ingest/archive jobs to process every I sec · optimized Transaction Service - data-handlers/ghrsst · pom.xml to refer to VI.3.2 common-mmr

