



# Status of monitoring subtask

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## work in progress...

### ◆ 2.3.4 Alarm display implementation

- "Help" and "Ignore" functionality implemented
- "History" and "Search" views implemented
- Works against FMON and OraMon server
- To be scaled to "realistic" configuration, 1500 nodes with 50 exception metrics
- To be done: generate exception metrics...
- Demo on Monday...

### ◆ 2.3.8 Dynamic proxy logic

*to be done...*

### ◆ 2.3.9 Perl implementation of the repository API

*to be done...*



## Work in progress - II

### ◆ 2.3.12 ORACLE interface

- Write performance improvements
  - DB insert queues added
- Read performance improvements
  - Primary keys and dedicated "LatestValue" table added
  - Need to determine read performance
- Need for admin procedures (add/remove metrics)
- Deliver stability, stability, stability.
- Support load expected to grow now that data starts to be consumed...
- Demo on Monday



## Work in progress - III

- ◆ 2.3.14 Interface open source database
  - Prototype ODBC + MySQL backend
  - Automatic generation of tables
  - Procedures to roll database
  - Needs more work, will have high priority as of now...
  - Demo on Monday
- ◆ 2.3.16 Metric configuration
  - Need to integrate with CDB
- ◆ 2.3.18 Web based report GUI
  - AnaMon demo on Monday
- ◆ 2.3.20 Integration with Fault Tolerance
  - See Sylvain's report



## Work in progress - IV

### ◆ 2.3.21 MSA developments

- Added data filtering capabilities, ie only send measured data that has changed more than a (configurable) minimum value
- Runs now on RH6 + RH7 + RH21ES and Solaris
- Sensor response check *to be done...*
- Local sample on demand *to be done...*
- MSA is very stable by now...



## Release, integration, support status

- ◆ MSA is mature. In production at CERN for more than a year, as a critical component in the Computer Center management. Also used in GridICE and BARC.  
Integrated since Feb 2003
- ◆ FmonServer is integrated. Used by GridICE.
- ◆ OraMon is now deployed at CERN. Initial experience is good, data consumption is starting now.  
Requires Oracle, so will not be integrated
- ◆ GUIs (Alarm Display and AnaMon) are maturing now.
- ◆ Support status: developers will disappear soon after EU review...



## Technical annex...

- ◆ Framework for hierarchies + dependencies
- ◆ Granularity from cluster down to machine/process
- ◆ System, network, hardware sensors
- ◆ Configuration, installation metric
- ◆ Common message definition, uniform repository
- ◆ Accounting and logging information
- ◆ Provide dynamically information to grid-originated requests
- ◆ Low impact on monitored system