Status of monitoring subtask

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WP4 meeting

Heidelberg - Sept 26, 2003

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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