

IEPM Tasks

IEPM: Jared, Fahad

1. Traceanal
 - a. Compress traceanal table needs new version of Simile Exhibit (8/30/07): Qasim
 - b. ~~Make nodename clickable to view graphviz of traceroute~~ [Done 8/30/07]: Asif
 - c. Add comment or help on how to find the real hostname (do we need this)
 - d. **Prepare distributable version of traceanal (assign to an NIIT student) - Qasim**
 - e. **Get CGI script approved by Security (add Tainting) - Asif**
 - f. **Install in production at SLAC**
2. Deploy at NIIT (80% done 8/23/07): Fahad
 - a. ~~Pathload segmentation errors (maybe a gcc version problems)~~ [Done 8/30/07]
 - b. **Setup node at NIIT: Umar**
 - c. Improve documentation and FAQs: Jaredg
 - d. Problem with mtlaytcp (Jared will look at 8/30/07)
3. Provide installation package: Tanzeel (QAU)
 - a. Lot of co-dependencies
 - b. Fahad working on document how he installed, problems and how resolved, will upload to SLAC
4. Provide ViPER like interface with realtime to IEPM data: Fahad, Shahryar
 - a. Problem with node visibility with FireFox (OK with MSIE 6): Fahad
 - b. Problem with Java time module
 - c. Need to understand how to get updates from iepm in real-time (try accessing URL from web browser): Fahad, Shahryar
 - i. Write his own script which will access the data from IEPM-BW database or use Web Service which Asif will develop. So that historic data can be shown on the visualization
5. Provide data to perfSONAR
6. ~~Six month plan for improvements/enhancements, have a draft and comments.~~
7. ~~Put together a proposal for an IEPM archive server for a student's final year project, see <https://confluence.slac.stanford.edu/display/IEPM/Fahad%27s+proposal>: Fahad~~
8. DB Schema: Fahad
 - a. Revision of schema to include information required by perfSONAR, PingER and TULIP: Jared
 - i. Incorporate suggestions made by Jared: Fahad
 - b. **Stress testing of the data base and documentation of the findings:** Fahad - deadline 06/03/08
 - i. ~~List all the tables with their schema for the Monitoring node as well as the Archive Server.~~
 - ii. ~~List all possible SQL queries that application will use to respond to user queries as shown here~~ 1
 - iii. ~~List all possible SQL queries that will be run internally~~
 - iv. ~~Run all the queries in 1, 2 & 3 to test for correctness~~
 - v. ~~Analyze the performance results~~
 1. Add the details of the result sets (# of rows effected etc)
 - vi. Document your findings
 - c. Implementation of the script that aggregates the results
 - d. Implementation of the script that transfers the summary & raw data to the archive servers
 - e. Deploy the software on maggie2 (archive server) and a prototype monitoring node
 - f. Implementation of the scripts triggering tools used by IEPM and consequently parse the results and enter them into the database
 - g. Test and deploy the setup at different nodes. Explore the possible scenarios where the setup would include about 60 nodes at various locations in the PERN network.
 - h. Devise and implement a scheduler to run tests at appropriate intervals
 - i. User interface to view/edit information such as contact details, node description, etc