

# Aperi Technical Face to Face July 25, 26 2006

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# Introduction

- Introductions
- Objectives of meeting
  - First meeting of technical community (committers) for Aperi project
  - Technical briefing on IBM initial contribution
  - Plan for next steps – how will we work together?

# Agenda

- Tuesday July 25th
  - 9:00 – 10:00 Introductions + History of TPC + brief demo
  - 10:00 – 12:00 Architecture + Extensibility (Tech talk #1)
  - 12:00 – 1:00 Lunch
  - 1:00 – 2:00 Schema (Tech talk #2)
  - 2:00 – 3:00 Schema extensibility scenario
  - 3:00 – 5:00 Other extensibility topics
  
- Wednesday July 26th
  - 9:00 – 10:00 GUI
  - 10:00 – 11:00 Discovery, Control, Monitoring (Tech talk #3)
  - 11:00 – 12:00 D, C, M extensibility scenario
  - 12:00 – 1:00 Lunch
  - 1:00 – 2:00 Future IBM contributions
  - 2:00 – 4:00 Next steps, Creation Review slides
    - Future meetings
    - Architecture team
  - 4:00 – 5:00 Recap -- callin

# Where Are We With Eclipse?

- Project proposal submitted and available on [www.eclipse.org](http://www.eclipse.org) (newsgroup, too)
- Contribution Questionnaire submitted for initial IBM contribution
- One next step is Eclipse review of contribution for legal issues
- Second next step is holding a Creation Review meeting with Eclipse
- When both are complete, the project is “provisioned” at Eclipse (web pages, code in CVS, etc.)
- We will form initially under the “Technology” project – a place for ‘incubation’ of new open source projects – and eventually transition to a different top-level project

# History of IBM's Contribution

- The contribution is based on IBM TotalStorage Productivity Center 3.1 (TPC)
- The ancestors of TPC are three separate products
  - Tivoli Storage Resource Manager
  - Tivoli SAN Manager
  - IBM Multiple Device Manager

# TPC 3.1

- TPC 3.1 converged the three products
  - All GUI implemented in single console, the legacy TSRM console (Swing GUI)
  - TSRM server becomes “Data Server”
  - Websphere process (“Device Server”) contains TSANM and MDM server extension code
- TSRM -> “TPC for Data”
- TSANM -> “TPC for Fabric”
- MDM -> “TPC for Disk”
- We added some basic tape library reporting and discovery via SMI-S: “TPC for Tape”

# TPC Licensing

- Basic functions are packaged in “TPC Limited Edition”
- Customer can purchase licenses to enable:
  - Disk subsystem performance reporting
  - Fabric switch performance reporting
  - Host filesystem capacity reporting
- IBM’s initial contribution is based on TPC LE, although we are including some filesystem reporting

# Summary of IBM Work To Date

- Start with TPC 3.1
- Remove code that will not be donated (performance management, advanced capacity management)
- Replace components that cannot be donated
  - Websphere, DB2, chart engine
- Run Data and Device servers in OSGi container
- Change package names, copyright statements, strings

# Future of the Contribution

- The initial contribution provides many fundamental services for constructing storage management “applications”
- Not everything is perfect
- IBM team’s expectation is to focus on extensibility and componentization
- The intention of Aperi is that we can join forces to construct the best possible framework (and storage management functions)
  - So we expect changes!