Aperi Roadmap

Eclipse Aperi Storage Management Project
## Aperi Roadmap

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<th>Oct 06</th>
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### R1
- **Open, standards-based framework**
  - Initial IBM contribution
    - Topology viewer
    - Disk storage discovery, reporting, alerting, and management via SMI-S
    - Tape library discovery and reporting via SMI-S
    - Fabric topology discovery, reporting, alerting, and zone configuration via SNMP, GS3
    - Filesystem capacity reporting via host agent
- **Downloadable and demo-able**
- **Community evaluation**

### R2
- **Componentization of architecture**
  - Reuse of Aperi framework components in other applications
- **Extensibility through Eclipse Platform**
  - Dynamic plug-ins extend framework

### R3
- **Initial Eclipse Rich Client Platform GUI**
  - Refactored GUI using dynamic plug-in architecture
  - Topology viewer plug-in
  - Custom report designer from Eclipse BIRT project

### R4
- **Broad SMI-S profile support**
  - SMI-S Fabric & Switch profiles
  - SMI-S NAS profile
- **Unified Storage support** (FC, NAS composite view)
- **Rich set of data and control operations across multiple vendors’ hardware**
- **Complete Eclipse RCP GUI**
Future Work Items

• These items are of interest to the community but are not associated with a roadmapped release yet
  – IP storage support
  – Additional SMI-S support
    • SMI-S Virtual Fabric subprofile
    • BSP profile
    • Performance statistics for unified storage via SMI-S
    • Host profile
  – CLI
  – Remote install & upgrade of host agents
  – Role-based access control – finer-grained role definition and application to profiles
  – Increased support for storage virtualization (beyond inband virtualizer)
  – Application awareness