

HP StorageWorks™ Grid: Architecture for Scalable Information Storage

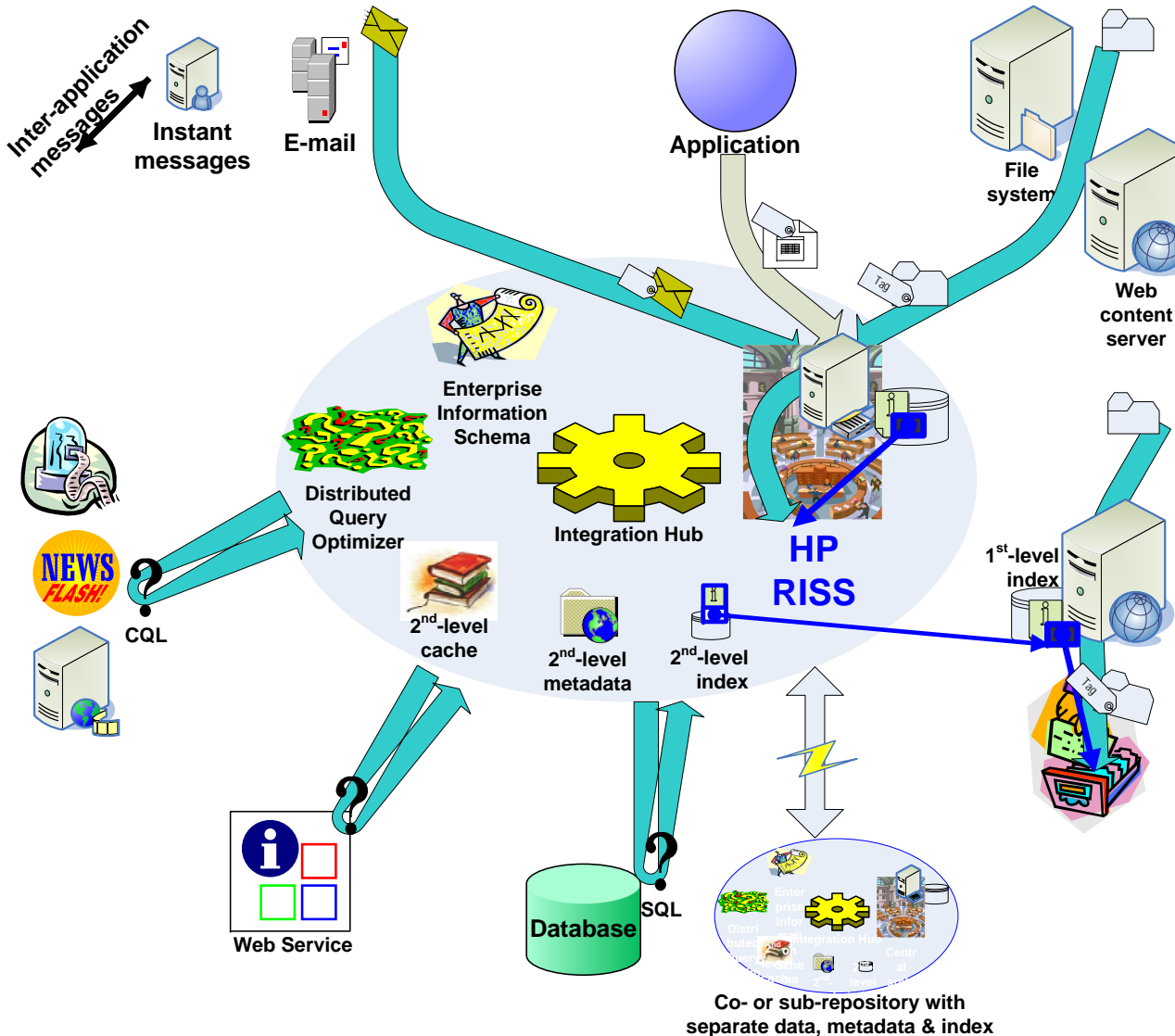


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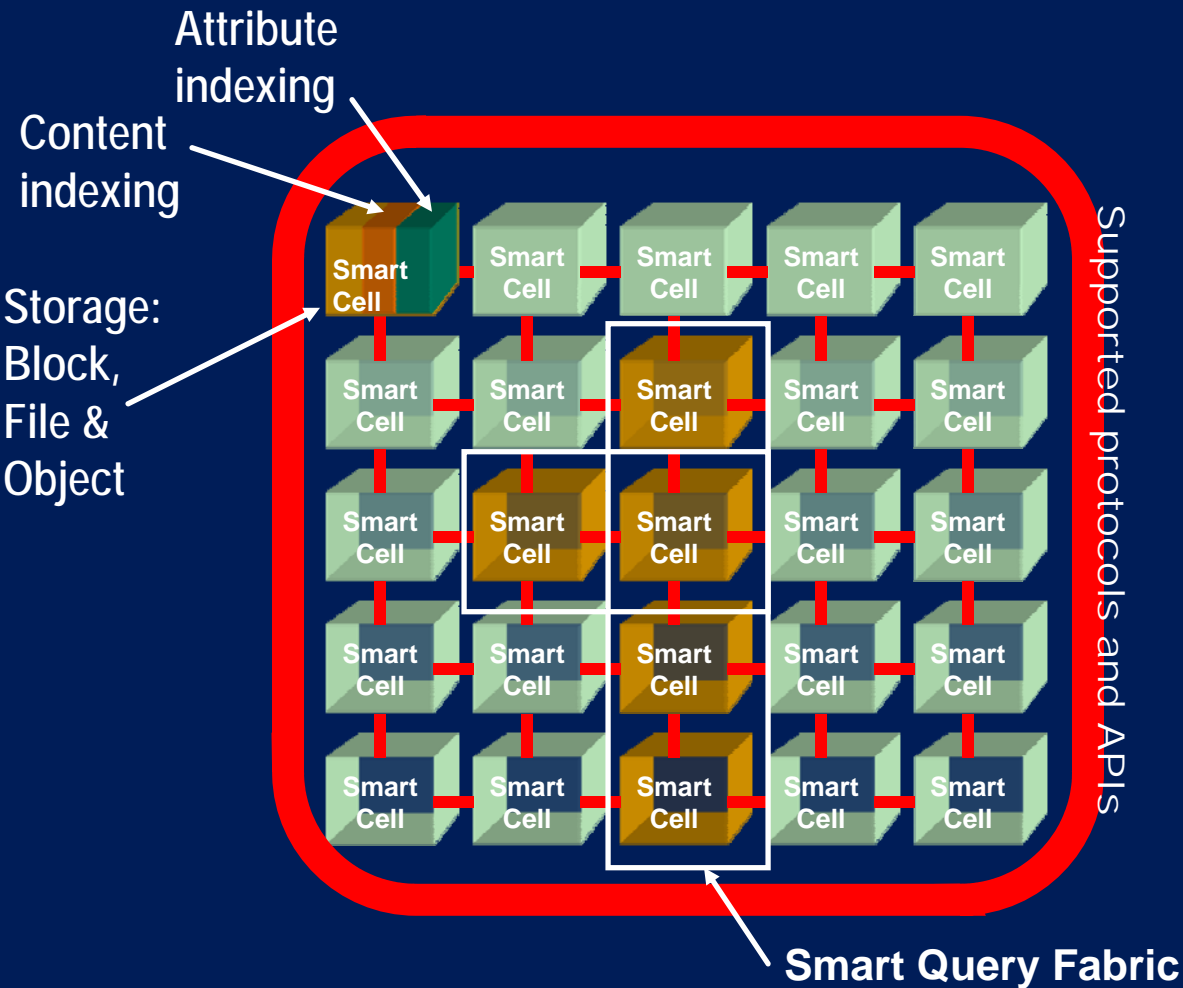
HP

Enterprise Information



- $n \cdot 10^6$ emails/day need to be archived
- Terabytes/hour files need to be protected
- **Data → Information**
 - Metadata
 - Index
 - Mining
- Information needs to be managed
 - Findability
 - Collaboration
 - Compliance
 - Retention
 - Tiering by value

HP StorageWorks™ Grid Architecture



Smart Cells

- Scalable distributed system of self contained, all-inclusive data repositories

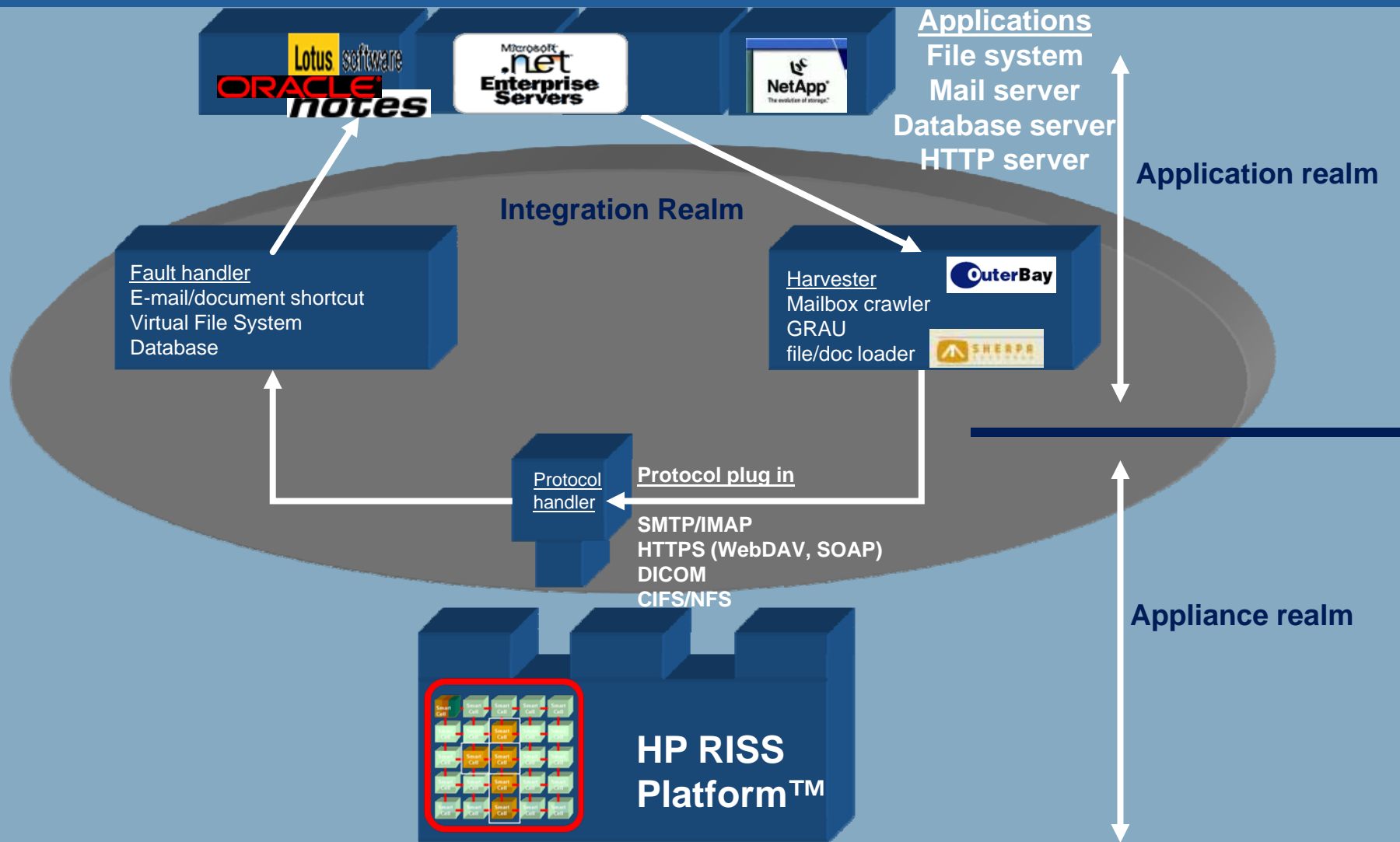
Principles

- Scale-out
- Federation
- Intelligence close to data
- Pluggable platforms supporting HP and 3rd-party storage services

Example

- HP RISS™ platform for Information Lifecycle Management services

HP Reference Information Storage Server (RISS): Principles of Storage Service Integration



HP RISS platform uses "Grid" principles for scalability and performance today

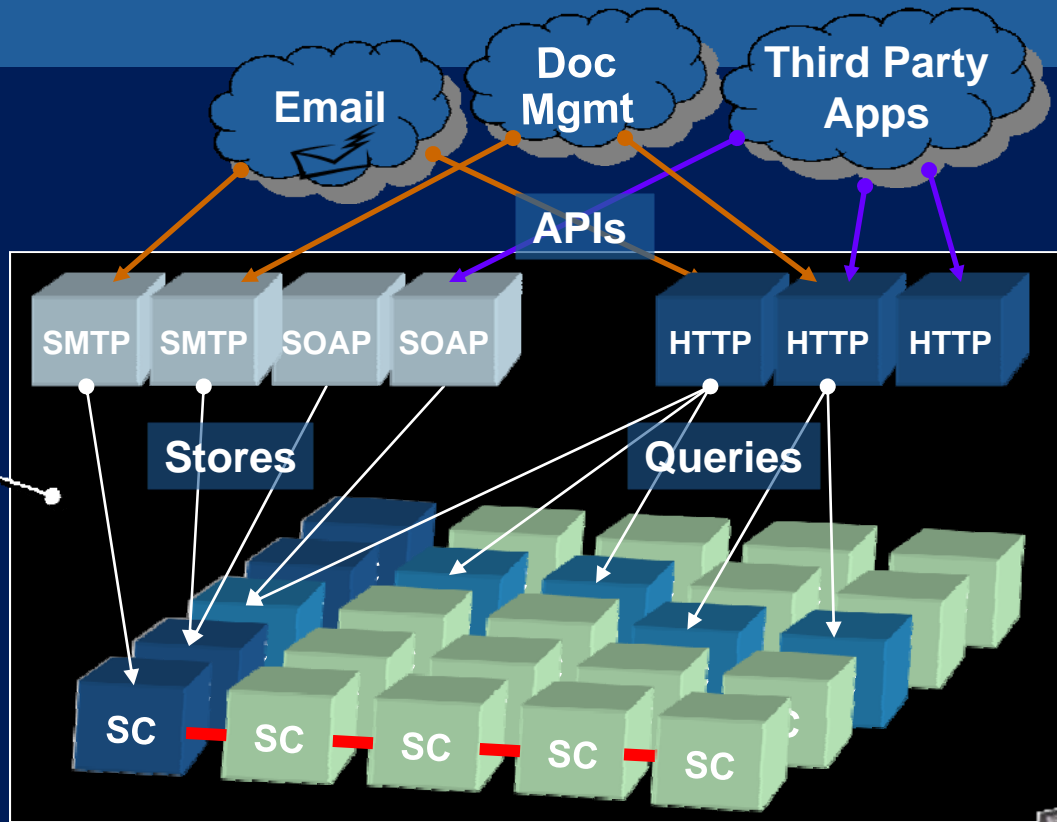


RISS Scope

- Manage the semantics of application data
- Provide unified view computing and storage resources

Lifecycle Managed

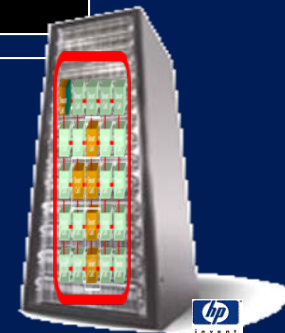
- Secure
- Protected
- Retention
- Access Controlled
- Highly Available
- Tamperproof



- Off the shelf server or blade technologies
- Leverages advancements in hardware technology

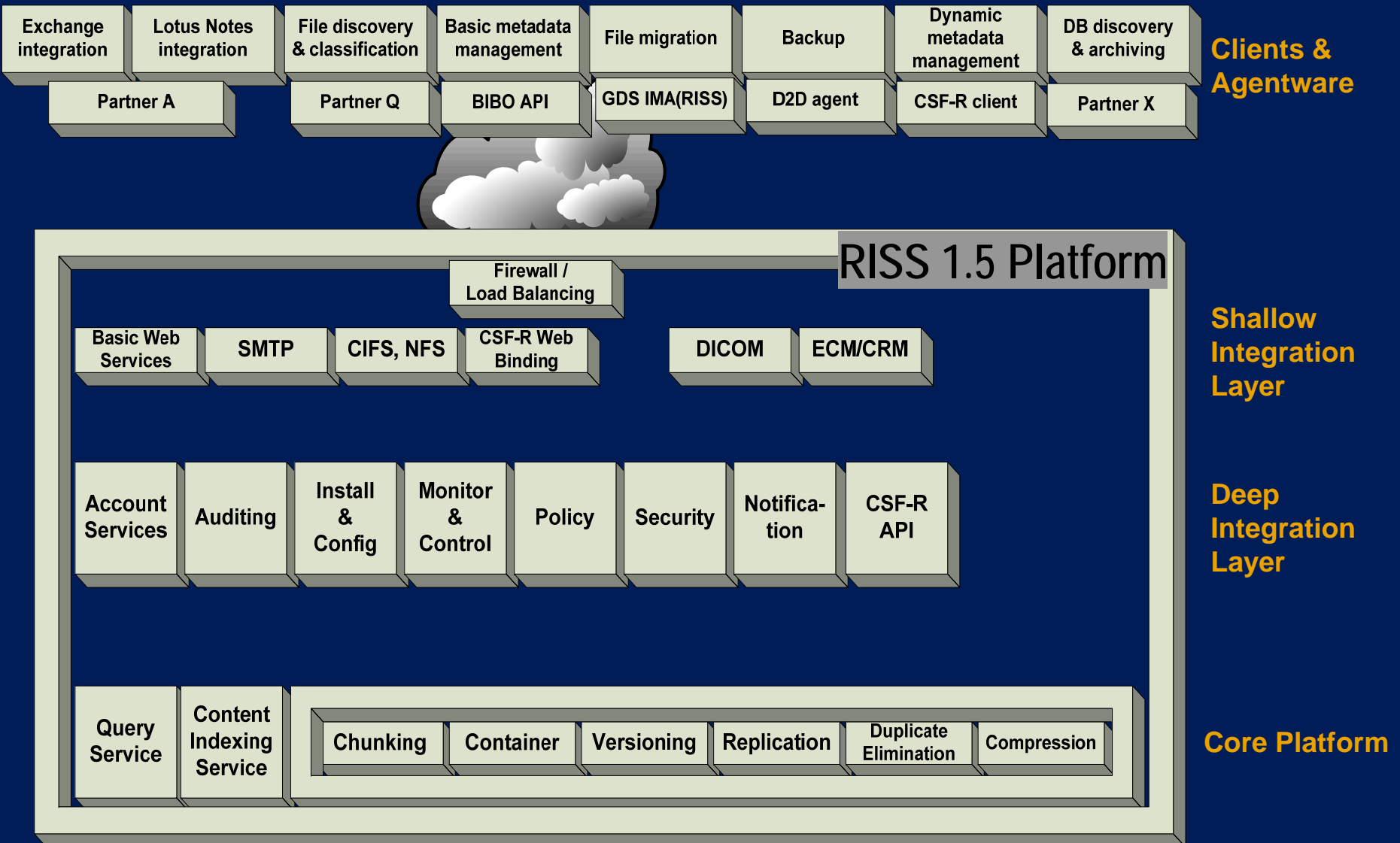


HP ProLiant Servers



StorageWorks™ RISS

3rd-party storage services can integrate with HP StorageWorks Grid RISS 1.5 at even deeper level





i n v e n t

<http://www.hp.com/go/ILM>