

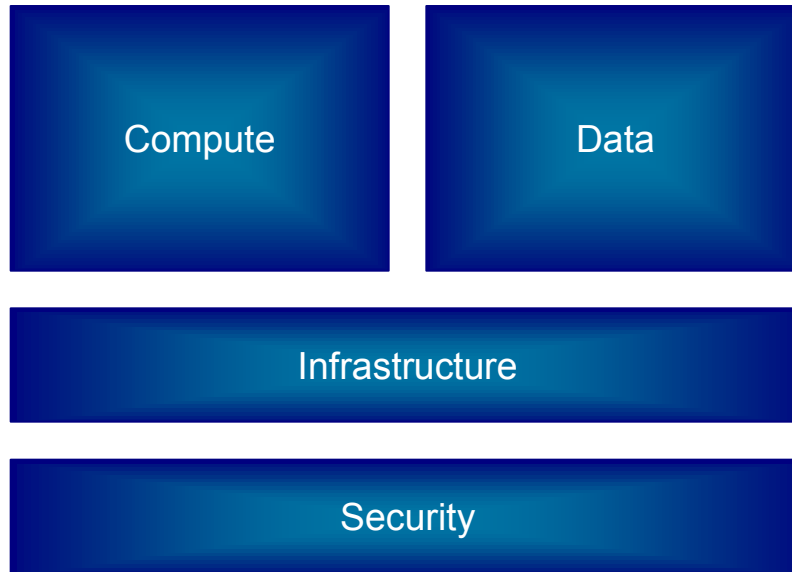


Infrastructure Area

Laurence Field (CERN)

Area Leader

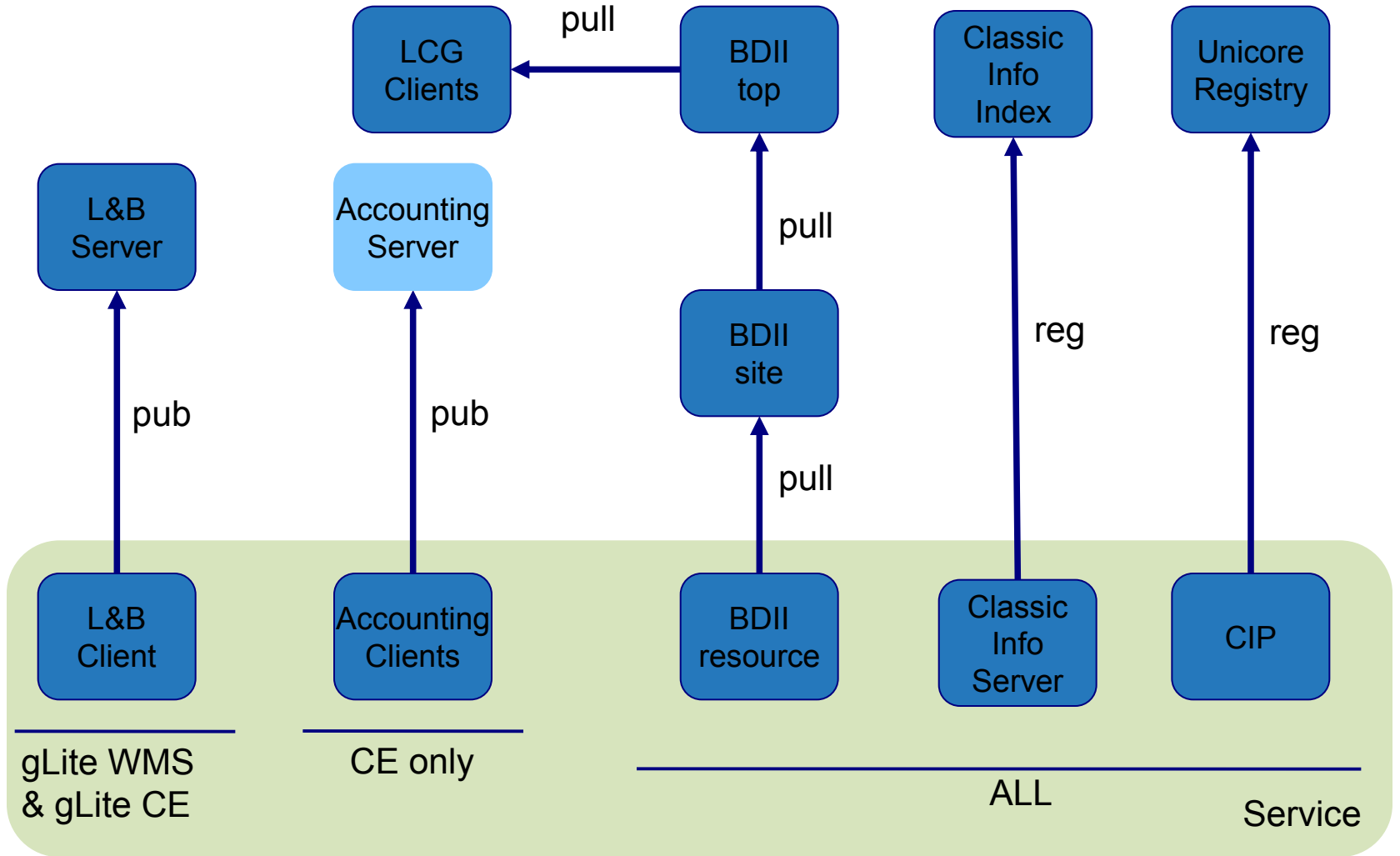
EMI Areas



Infrastructure Area

- Information Services
 - Providing Information about Grid Services
- Messaging Infrastructure
 - A common solution for communication
- Logging and Bookkeeping
 - Event archiving
- Accounting
 - Computing and Storage usage
- Service Monitoring and Management
 - Service status, fabric integration and operations
- Virtualization and Clouds
 - Investigating Cloud and Virtualization Technology

Today



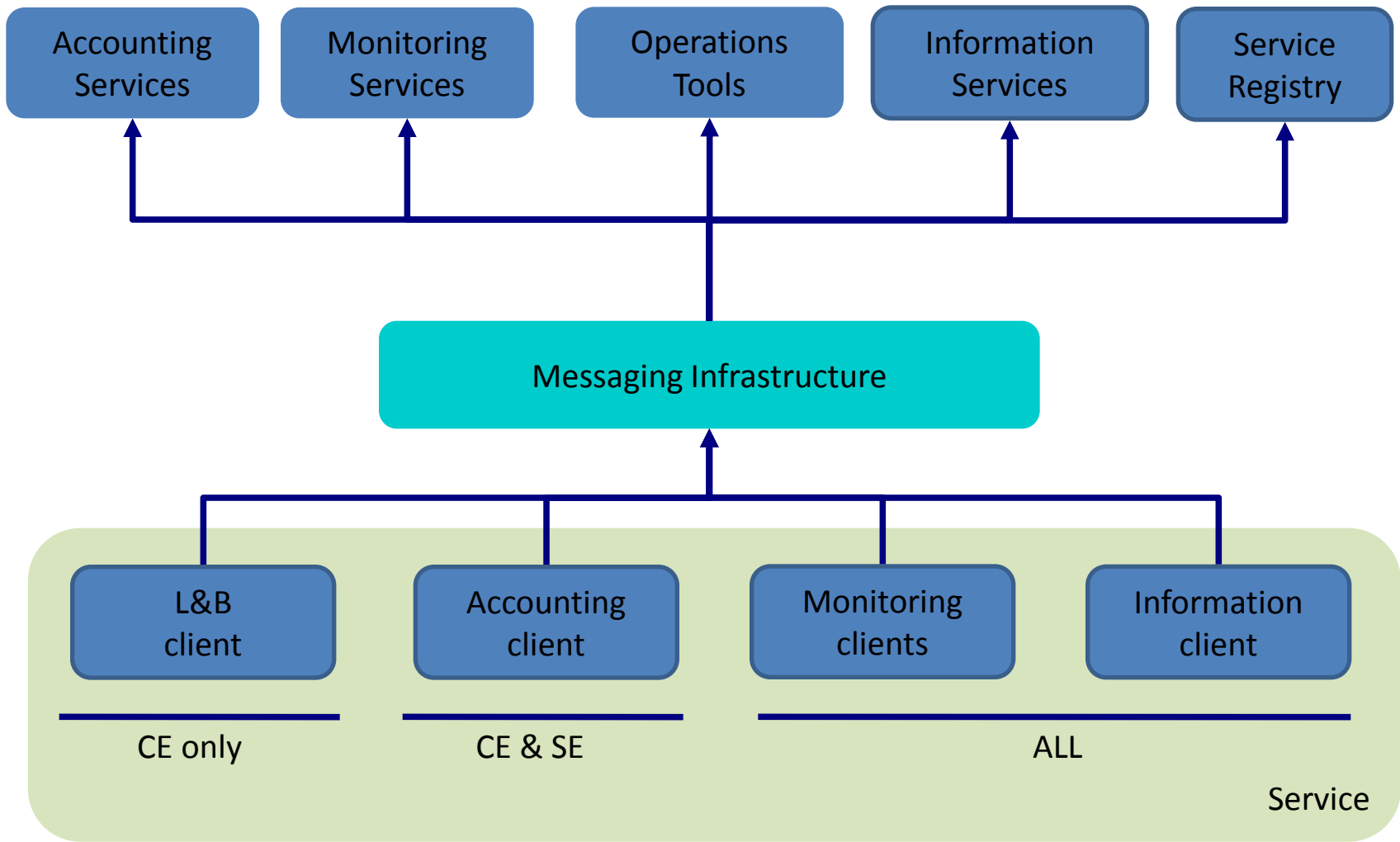
Information Services

- Main Focus
 - Consolidation
 - Significant overlap in functionality
 - Harmonization
 - Adoption of GLUE 2.0
 - EMI Registry
 - Core architectural component
 - Leverage the experience of the different middlewares
 - And the different approaches
 - What have we learnt in the past 10 years?

Messaging

- Main Focus
 - Knowledge
 - Evaluation of implementations
 - Guidelines
 - Provision
 - Messaging Product
 - Off-the-self component
 - » Requires packing and additional tooling
 - Internal Development/Test Infrastructure
 - SA2 will provide and operate this infrastructure

Messaging Integration



Logging & Bookkeeping

- Main Focus
 - Adoption of the messaging infrastructure
 - Requirements gathering
 - Extensive experience with Job status events
 - What about other use cases?
 - Self Reflection
 - Logging vs message archiving
 - Bookkeeping vs accounting
 - Greenfield vs Brownfield development

Accounting

- Main Focus
 - Adoption of the messaging infrastructure
 - Storage Accounting
 - Harmonization

Service Monitoring and Management

- Main Focus
 - Knowledge
 - Requirements gathering
 - Service Monitoring
 - Service Management
 - Investigating technologies
 - Service Management
 - Harmonization
 - Service Monitoring

Cloud and Virtualization

- Main Focus
 - Deployment of Services
 - Horizontal Scaling
 - Knowledge
 - Research Area
 - Monitoring emerging technologies
 - » Potential for EMI and it's customers
 - Provision
 - Novel solutions
 - Experimental components

Conclusions

- It is a big area
 - Need to stay focused
- It is a challenging area
 - Information System Consolidation
 - Messaging Adoption
 - Service Monitoring and Management
- Tough decisions will need to be made
 - If we are going to take EMI seriously
 - As an integrated solution
- Cloud and Virtualization
 - A release vector for novel solutions



Thank you

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