



**The Standards Based Integration Company**

*Systems Integration Specialists Company, Inc.*

# SISCO's Utility Integration Bus and IBM Solution Architecture For Energy and Utilities (SAFE)



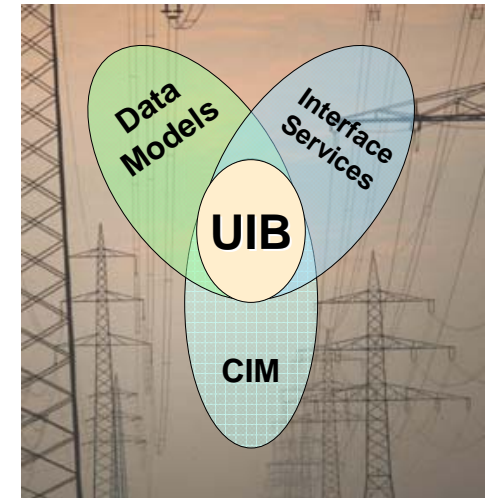
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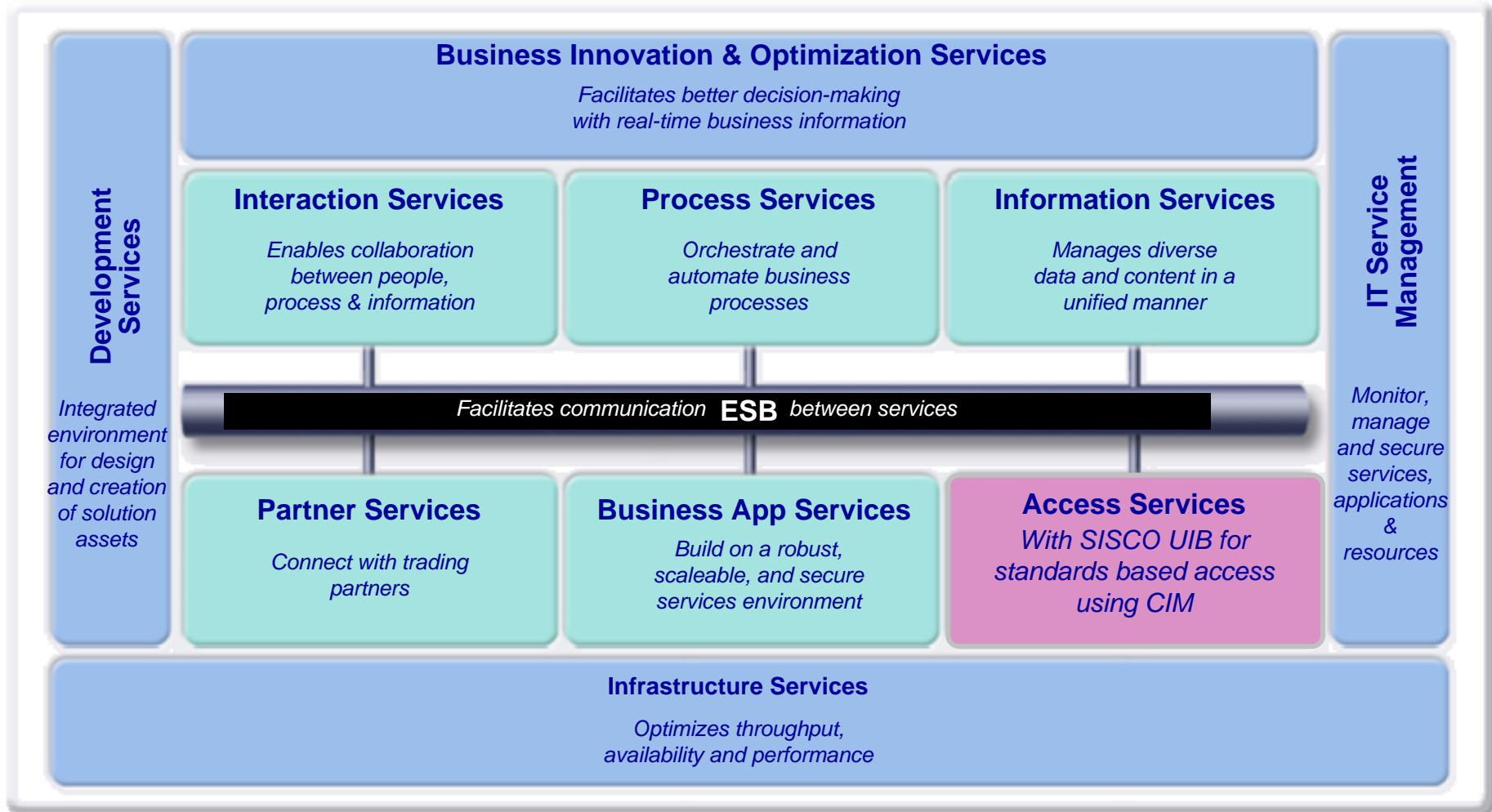
## SISCO's Utility Integration Bus (UIB)

- SISCO's UIB extends the IBM WebSphere ESB platform to enable data exchange of real-time and historical information using an enterprise data model based on the IEC Common Information Model (CIM).
- Off-the-shelf integration for real-time data based on IEC and OPC Foundation standards to ensure interoperability with existing systems and implementation independence.
- Model management services allow application discovery of model data and incremental distribution of model changes across the ESB to simplify maintenance.
- For electric utility applications including asset management, condition based maintenance, substation integration, intercontrol center communications, outage management, and more.
- Repeatedly tested for interoperability with other CIM based products by EPRI.



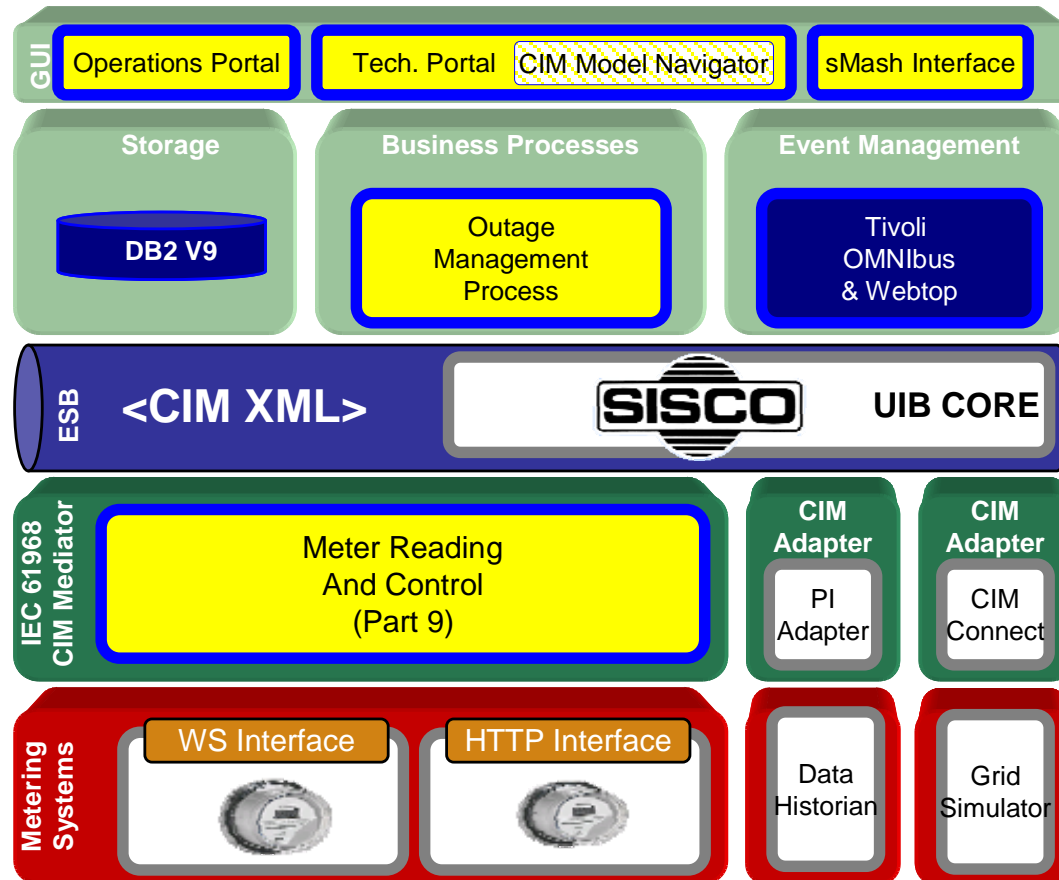


# IBM's SOA Reference Architecture and SAFE with SISCO UIB enables best practices for integration with power systems





# SISCO UIB and the IBM Solution Architecture For Energy and Utilities (SAFE)



SISCO's UIB works cooperatively with IBM and data historians to deliver integration of business processes with real-time data using off-the-shelf solutions.



# SISCO's UIB – Benefits of the Model-Driven Approach

- Model Driven
  - The CIM Model gives power system context to data improving understanding
  - The information contained in the model enables automation of configuration and maintenance
- Application Independence:
  - Models are independent of specific application implementations or functions
  - Models used for data exchange simplifies integration
    - No need to change the internal application model. Internal data can be mapped to/from the data exchange model
- Data Independence:
  - Enables reusability of applications by elimination of “hard-coded” names.
  - Reduced reconfiguration of applications as the system changes.
  - Enables integration and migration of applications incrementally increasing flexibility.
- Model Neutral: UIB is not pre-configured with a specific model:
  - Enables user specific customizations without affecting coding.
  - Enables application of adapters across industries including applications in oil and gas.



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## Thank You

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