

School of Business

Course Code : BBAD2006

Course Name: E Business



E-Business Architecture

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Functional Architecture

The Functional Architecture should focus on describing the function of the IT system and is primarily concerned with:

- the structure and modularity of the software components (both application and technical)
- interactions between components, including protocols
- the interfaces provided by components, and their usage
- dynamic behavior, expressed as collaborations between components

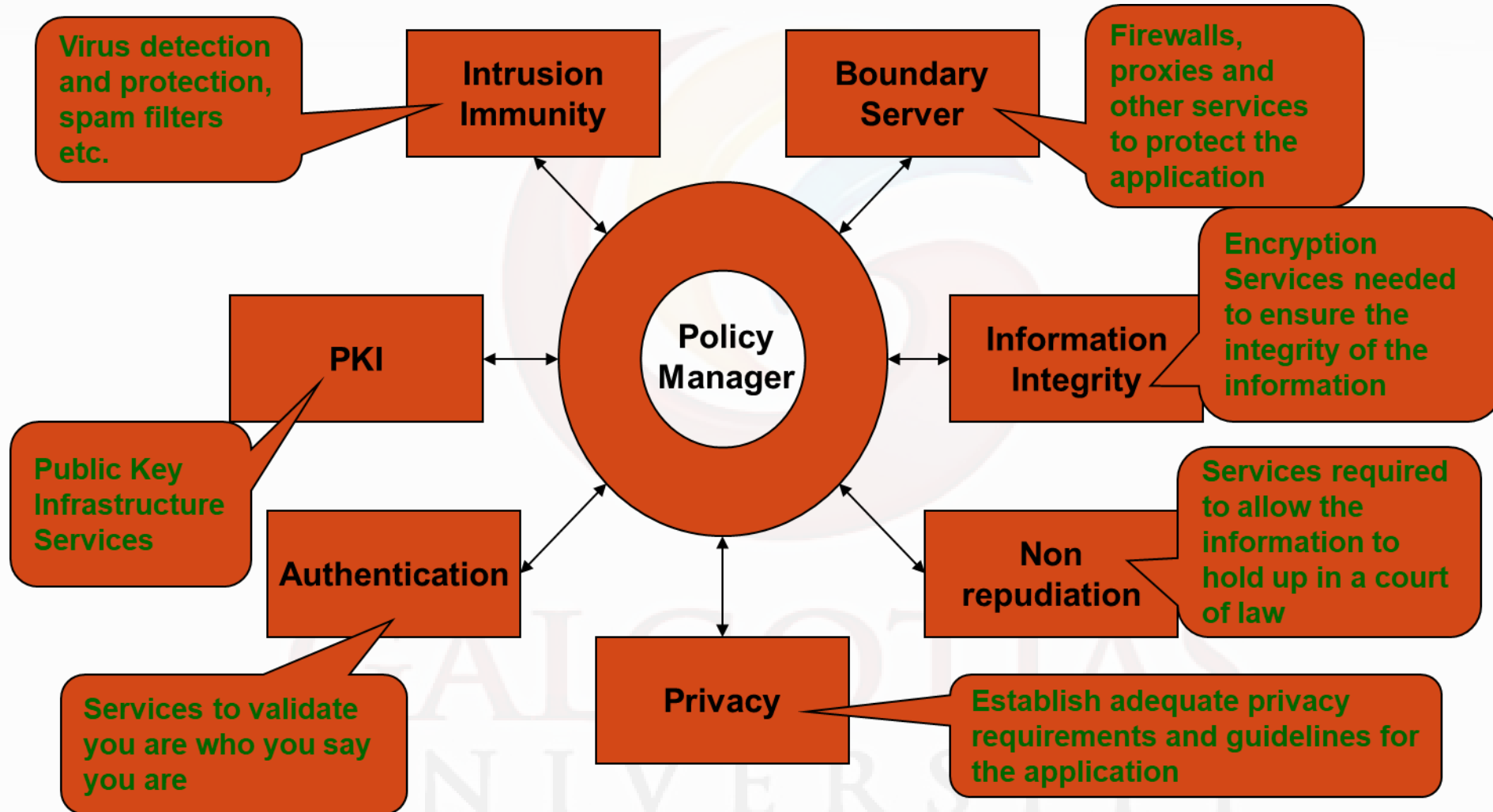
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Data Architecture

- **The Data Architecture includes a thorough analysis of:**
 - what data needs will be accessed ?
 - why is the data accessed ?
 - where is the data located ?
 - what is the currency of the data ?
 - how will we maintain data integrity ?
 - what is the data relationship between data displayed & stored?
 - how can we provide round the clock availability when the backend systems and databases are not available on a 24x7 basis?

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Security Architecture



Systems Management Architecture

The Systems Management Aspect should cover:

- all the nodes within the architecture
- manageable from local and remote locations
- based on standards and extensible to support new technologies
- include support for systems administration, systems management, and software configuration management

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Systems Management Architecture

The Operational Aspect's focus is on describing the *operation* of the IT system and is primarily concerned with:

- representing network organization (hardware platforms, locations, topology, etc.)
- what runs where - where software and data are 'placed' on this network
- satisfying the Non-Functional requirements of the system (performance, availability, security, etc.)
- the management and operation of the IT system (capacity planning, software distribution, backup and recovery)

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Reference

- ❑ E-Business 2.0, Roadmap for Success by Dr. Ravi Kalakota & Marcia Robinson, Pearson Education. 2nd Edition.





Thank You