

# Unlocking the OSEE Core Framework

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# Objective

- Inform developers what the OSEE application framework services offer
- For more information  
<http://www.eclipse.org/osee>

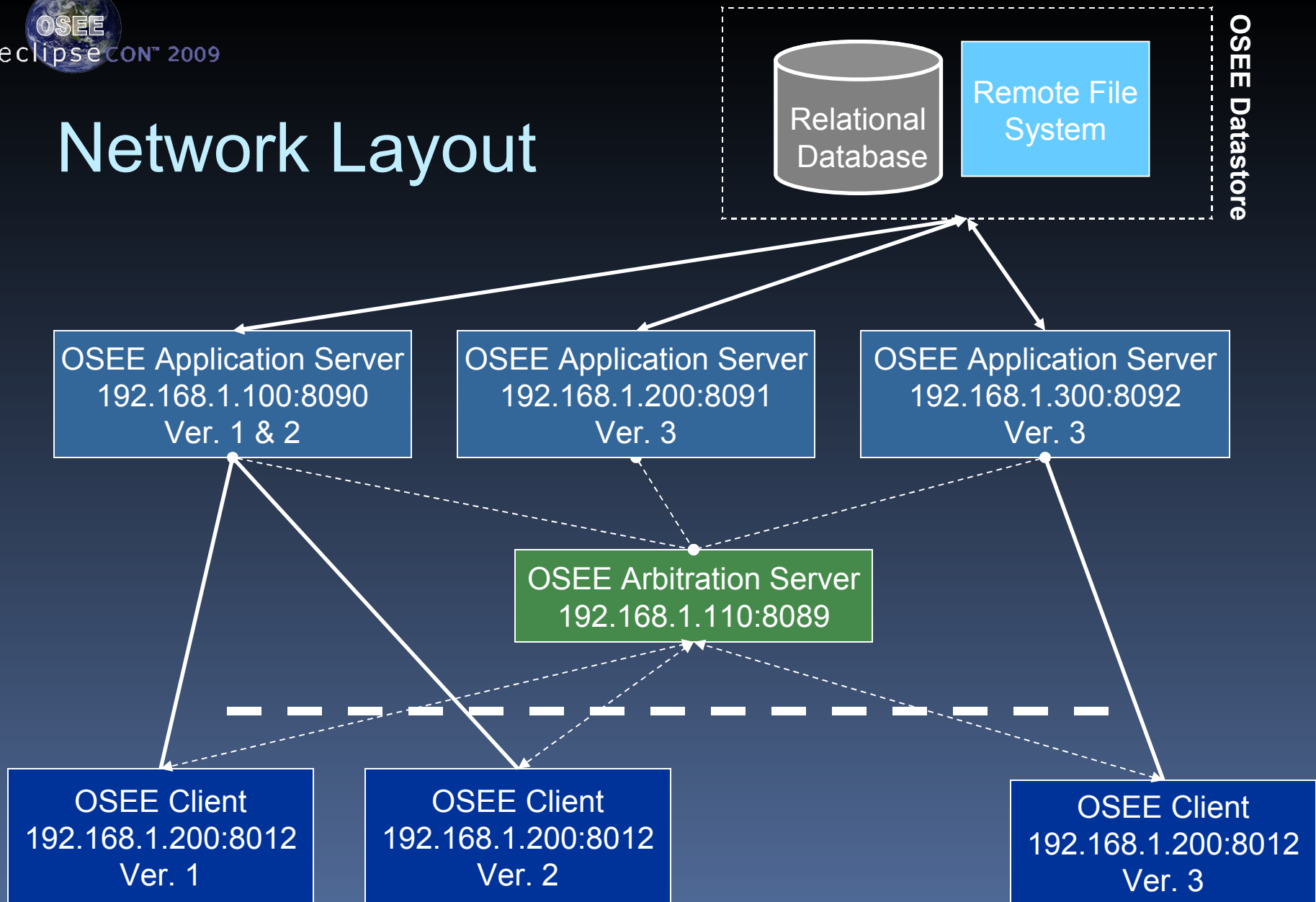
# What is OSEE?

- OSEE is a tightly integrated environment designed to support lean engineering principles across a product's full life-cycle in the context of an overall systems engineering approach
- OSEE has been deployed on Boeing's next generation Attack Helicopter
  - 300 users
  - Managing ~300,000 Artifacts
  - ~250 Active Branches

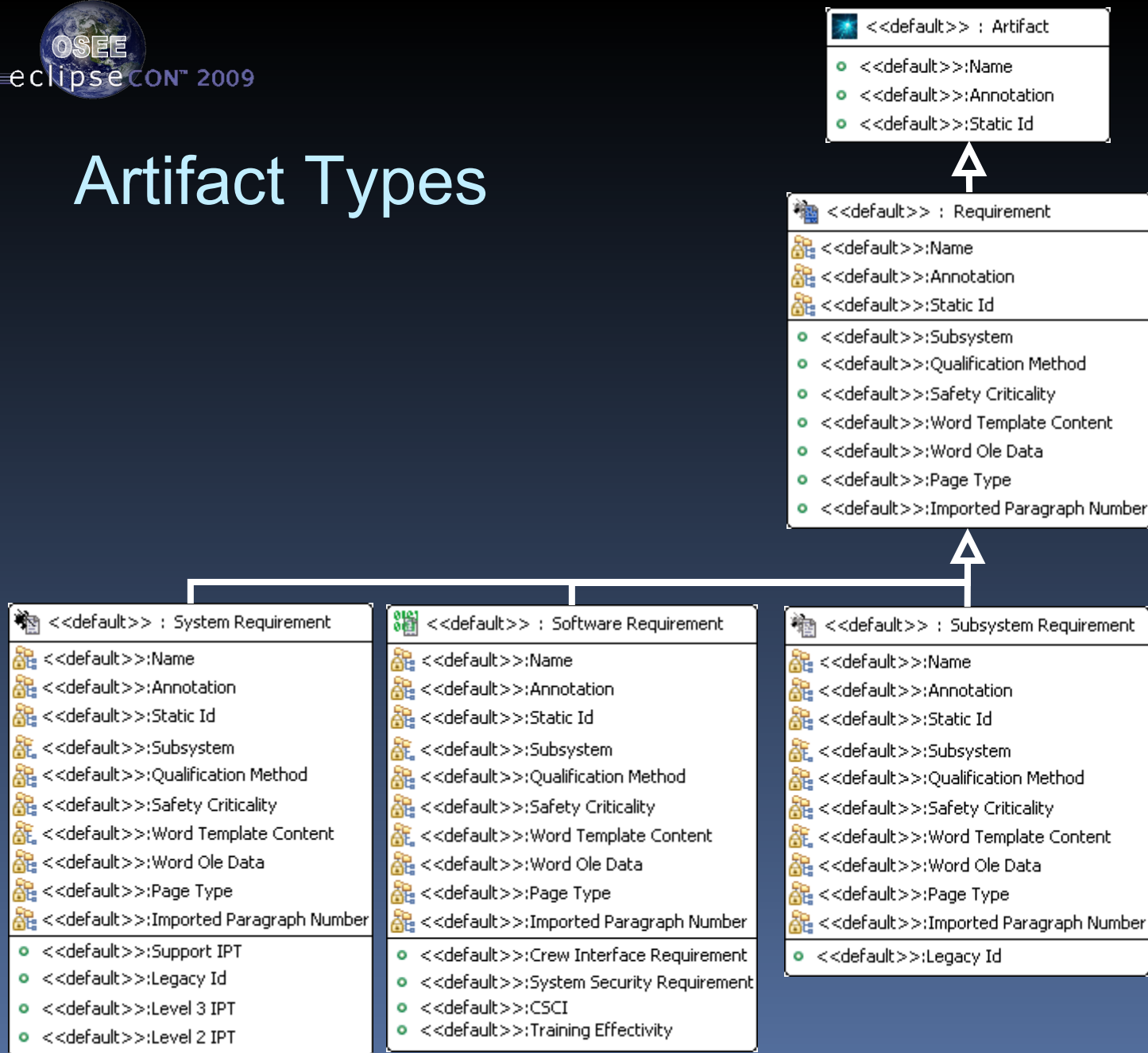
# OSEE Framework Services

- Providing the following facilities:
  - Transaction-based object-oriented persistence layer
  - Dynamic and strongly types artifact model
  - Advanced version control including multi-level branching
  - Variant management
  - Database independent import/export
  - Subject-based and object-based access control
  - Session management and authentication service
  - Multi-client event notification service
  - Extensible tagging and searching capabilities
  - Task scheduling framework

# Network Layout



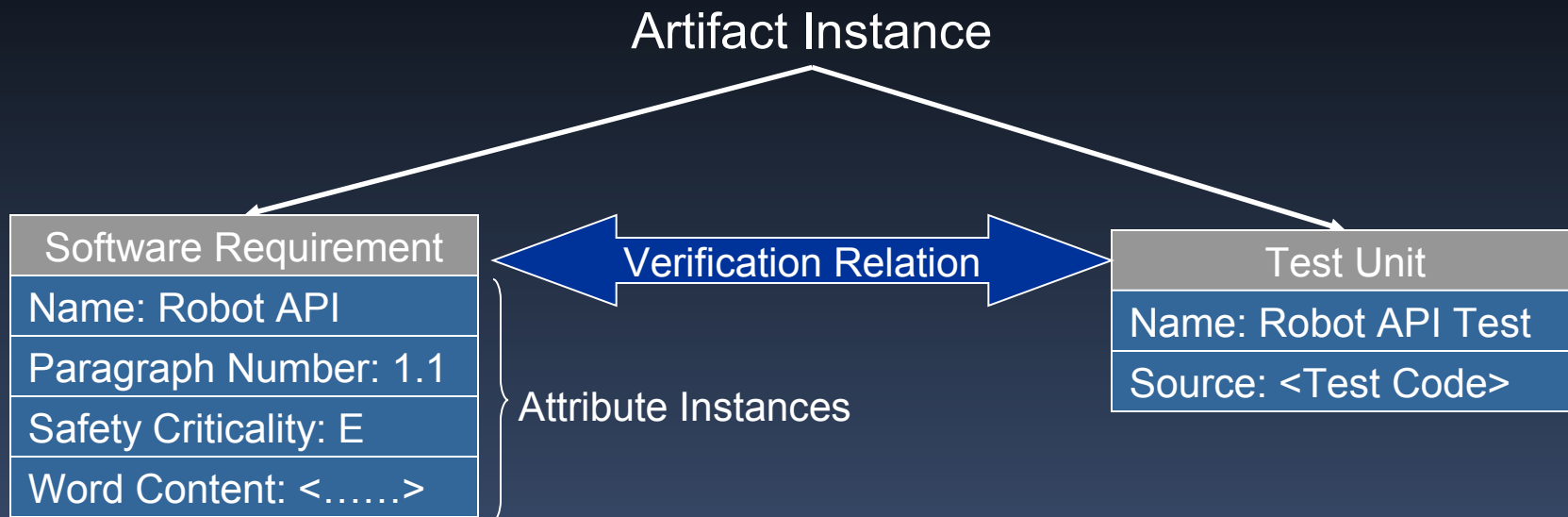
# Artifact Types



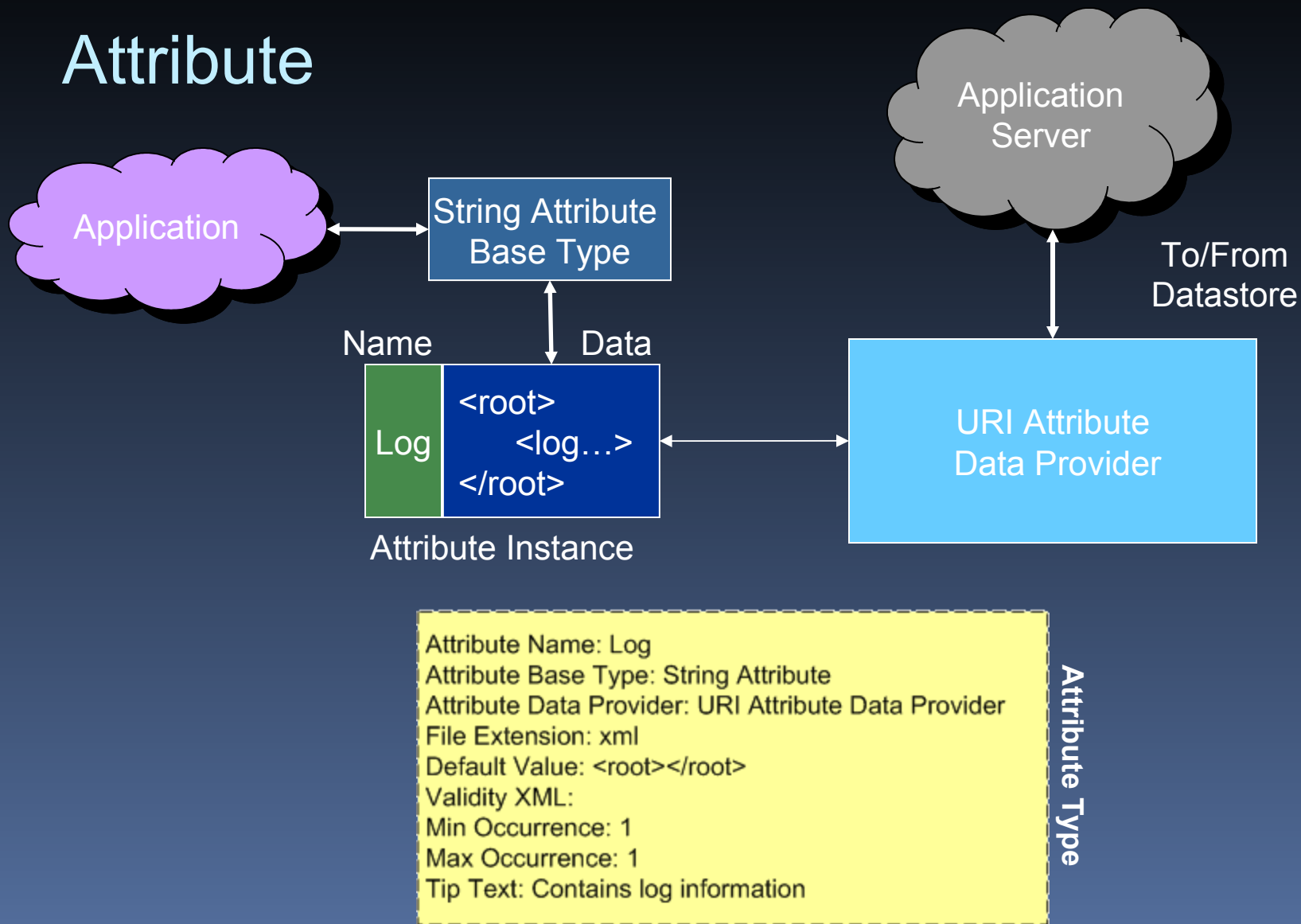
Inherited Attributes

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## Artifacts

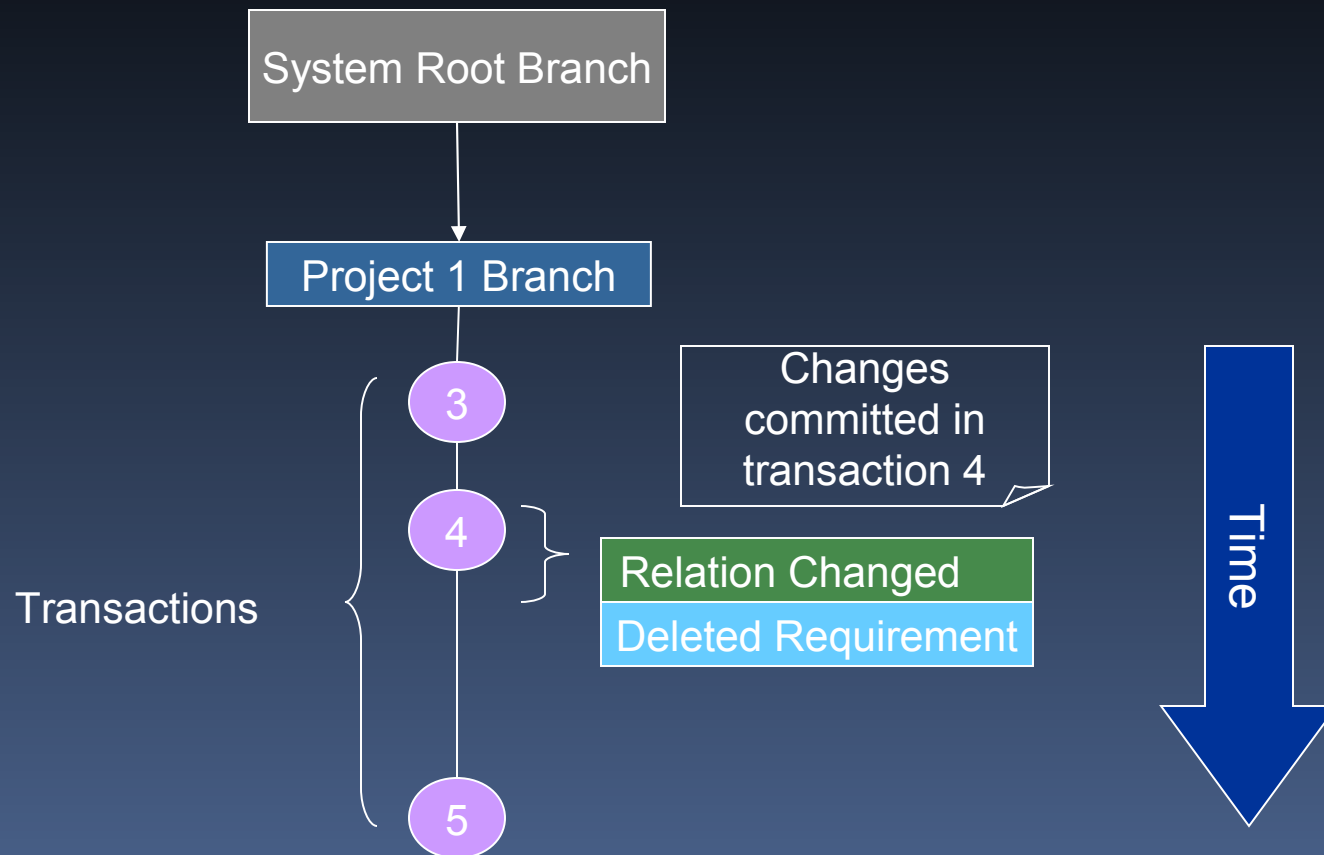


# Attribute

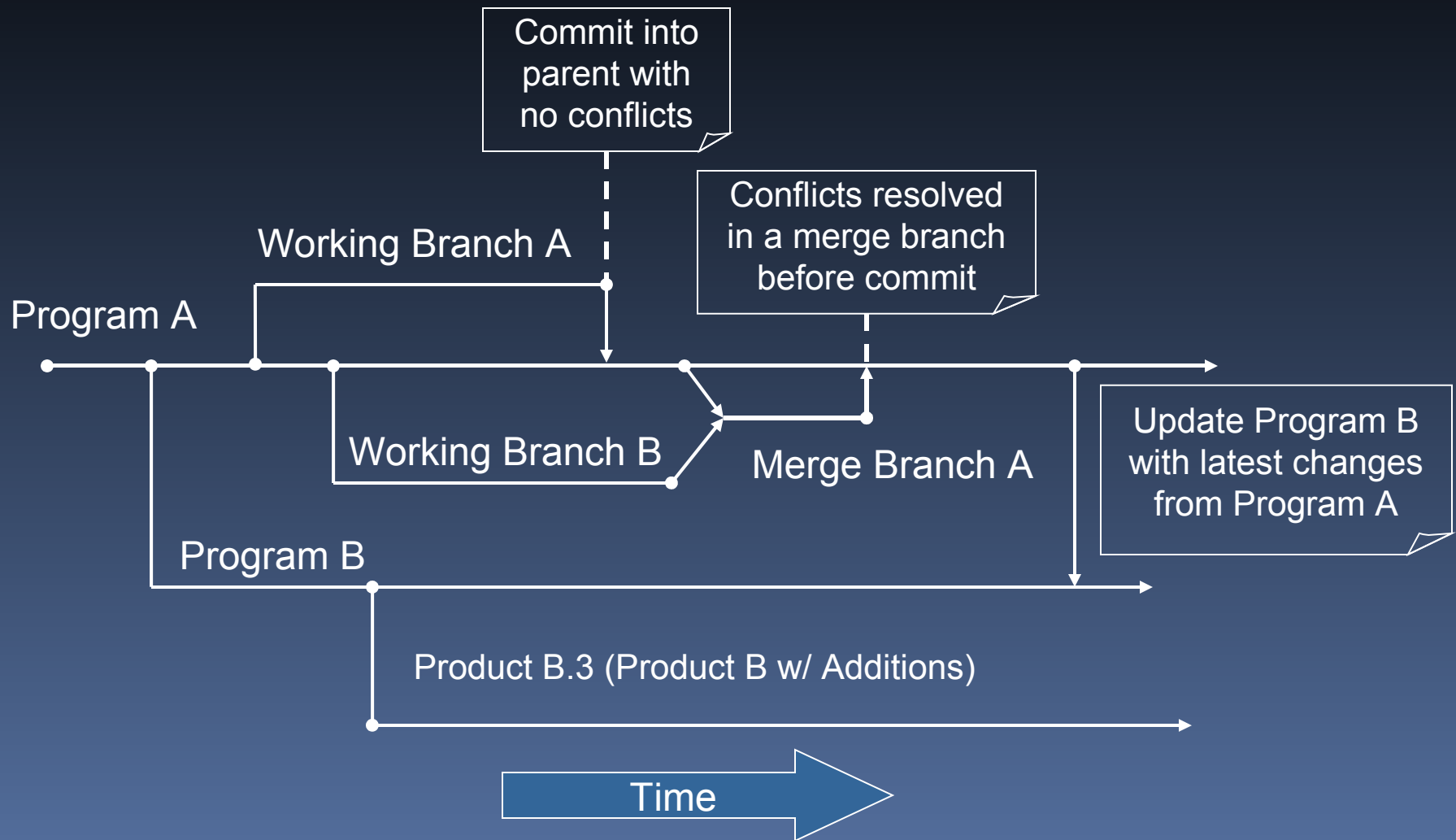




# Transactions and Branches



# Variant Management



# Example

- Aircraft Maintenance Log Book
  - Stores multi-program historical flight information
  - Uses authentication and access control
  - Using Artifact search API to easily access data
  - Easily pluggable with Eclipse plug-ins
    - For example - using BIRT to chart flight performance indicators
  - Flight data analysis

# QUESTIONS?