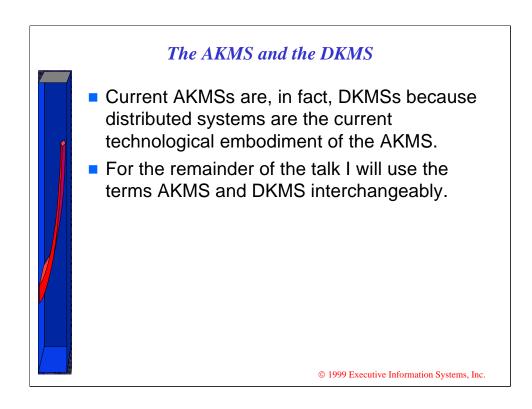


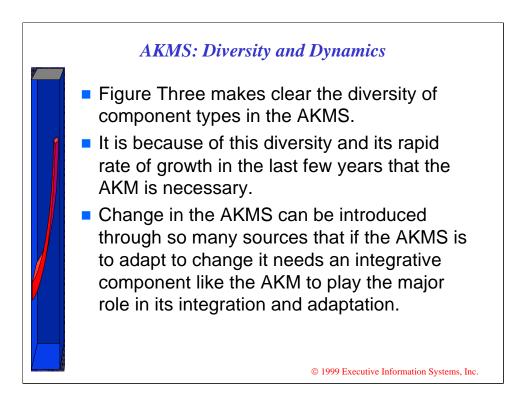
## The AKMS and the DKMS

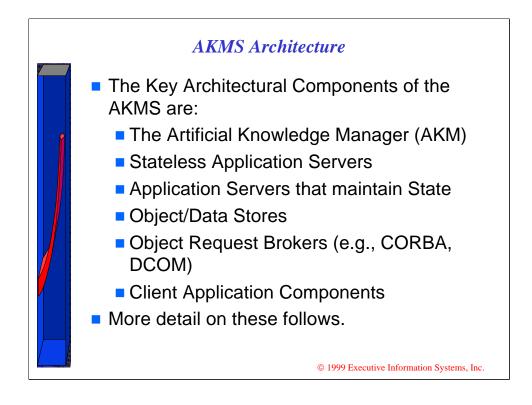
A Distributed Knowledge Management System (DKMS) of an enterprise is a specific type of AKMS designed to manage the integration of distributed computer hardware, software, and networking objects/ components into a functioning whole supporting enterprise knowledge production, acquisition, and transmission processes.

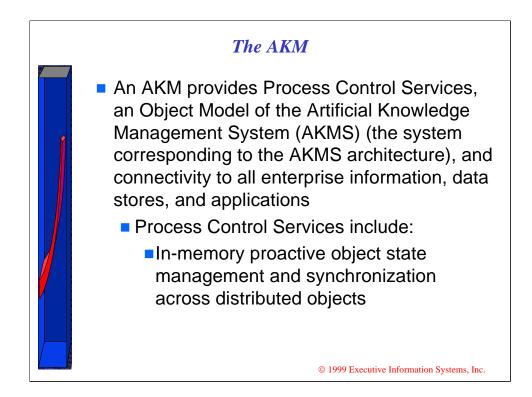
 The DKMS, in other words supports producing, acquiring and transmitting the enterprise's knowledge base.

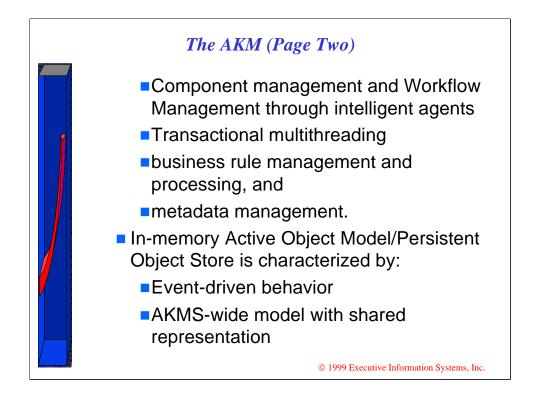
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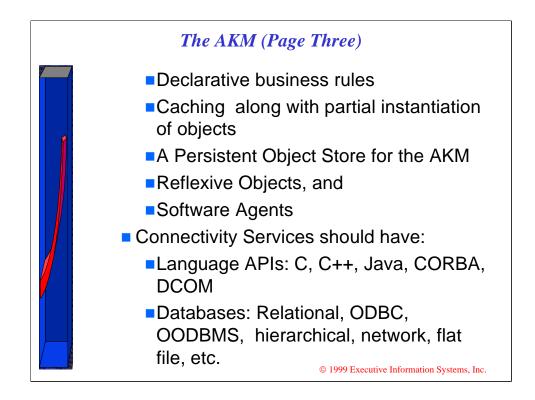


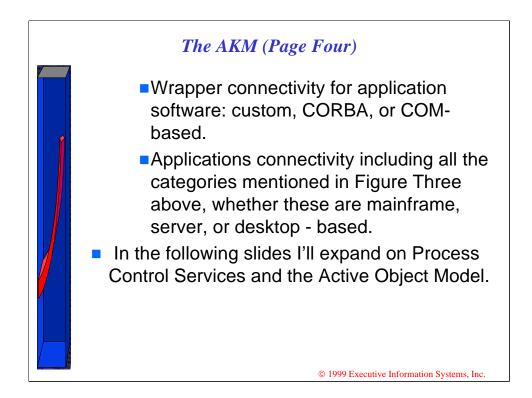


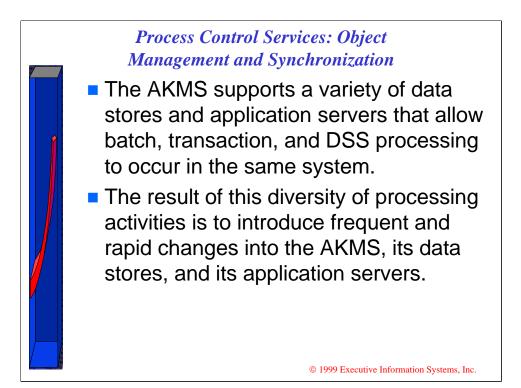


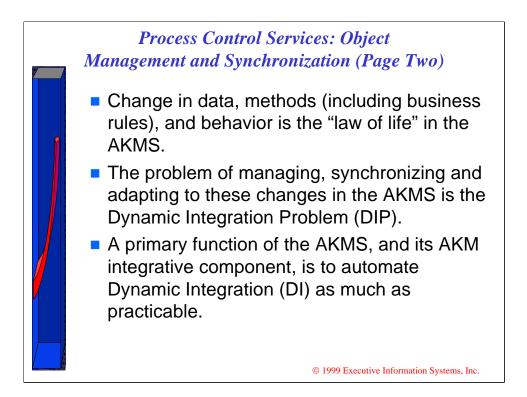


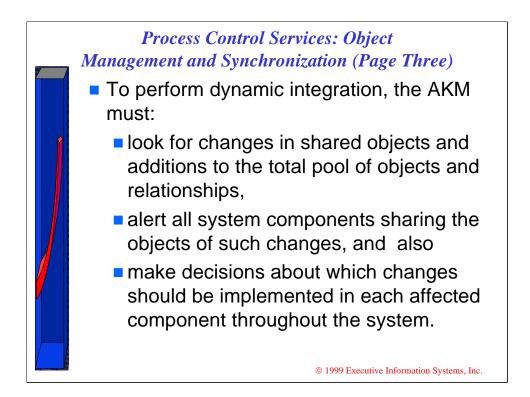


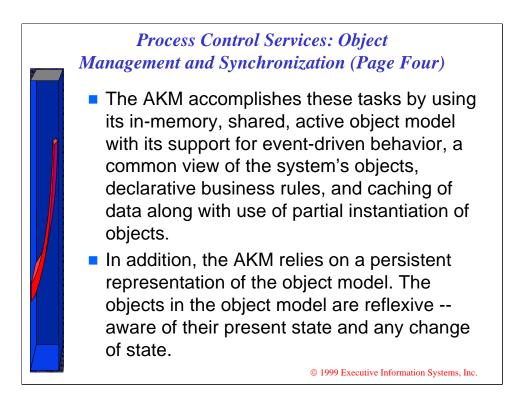








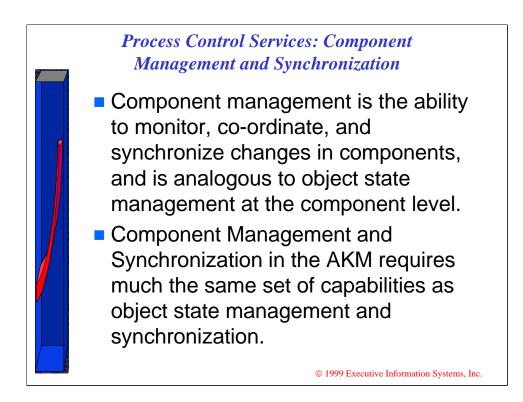


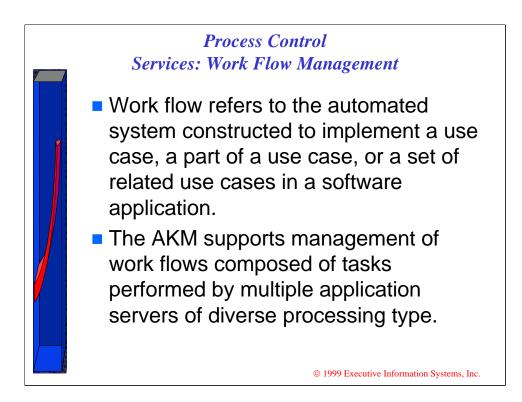


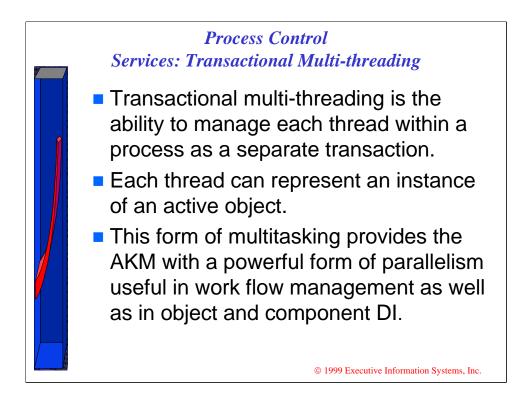
## **Process Control Services: Object Management and Synchronization (Page Five)**

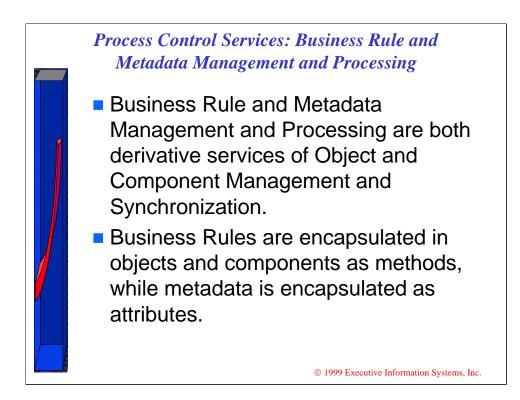
- The AKM accomplishes proactive monitoring and coordinating of changes in its shared objects through their reflexivity and capacity for event-driven behavior, and through software agents. The capacity for eventdriven behavior causes the objects to adjust in response to event-induced changes in some shared objects by making corresponding changes in themselves.
- A particular type of AKM event-driven object that is also autonomous is a software agent.

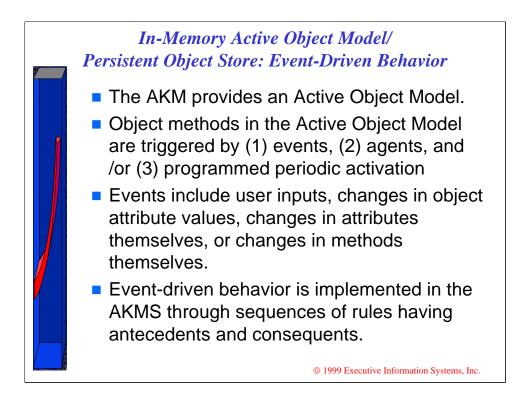
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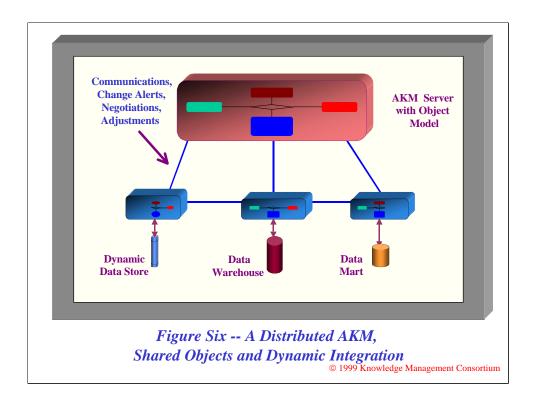


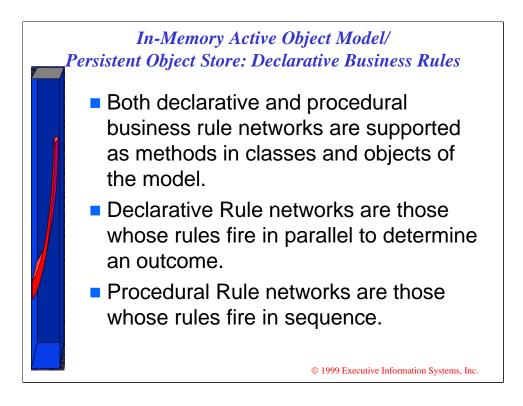


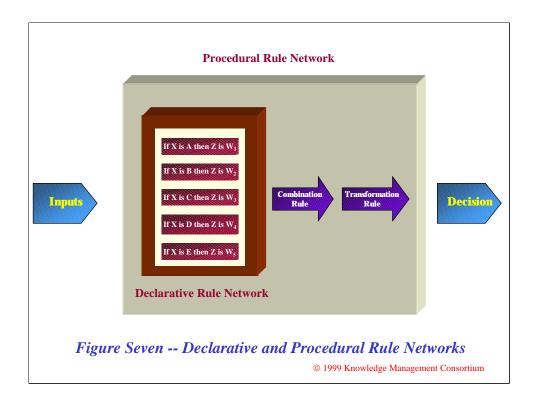


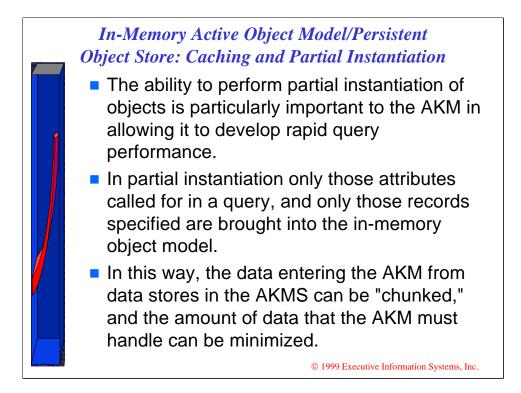
## In-Memory Active Object Model/Persistent Object Store: AKM with Shared Representation Many of the objects in the AKM are shared across distributed physical platforms -either data stores, or application servers. In fact, the AKM may be viewed as a special distributed application server or business process engine that maintains state, shares a set of reflexive objects across physical platforms, and manages and integrates multiple processes changing these shared objects.

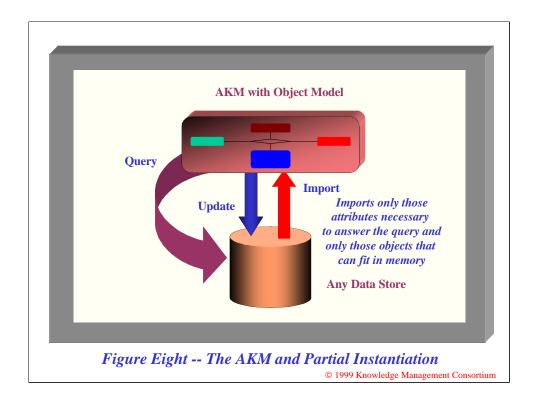
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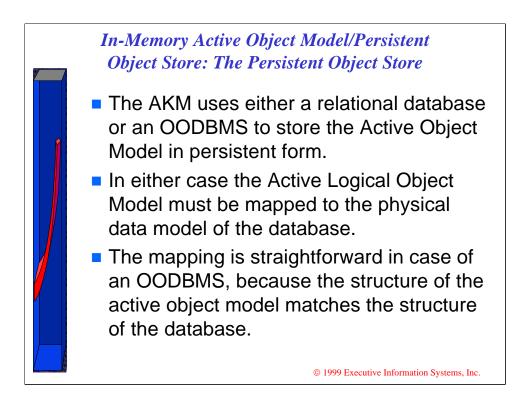








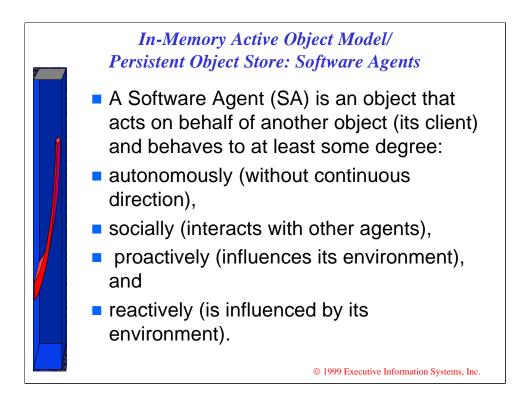


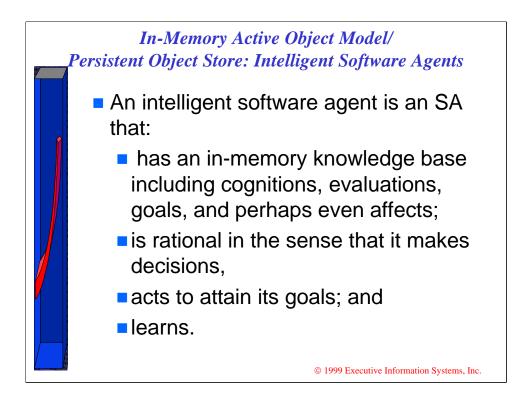


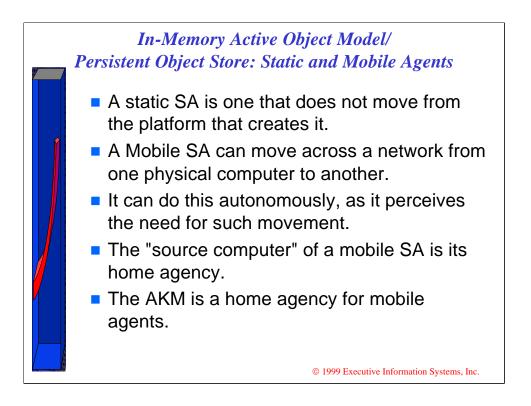
## In-Memory Active Object Model/ Persistent Object Store: Reflexive Objects

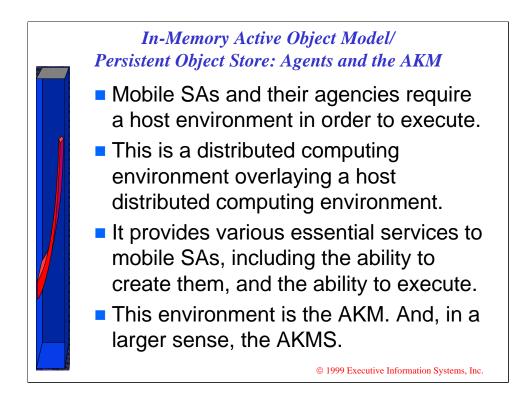
- AKMs use reflexive objects.
- Reflexive Objects are aware of their present state and any change of state.
- When combined with event-driven behavior reflexive objects provide the foundation for automatic propagation of events and changes in state among themselves.

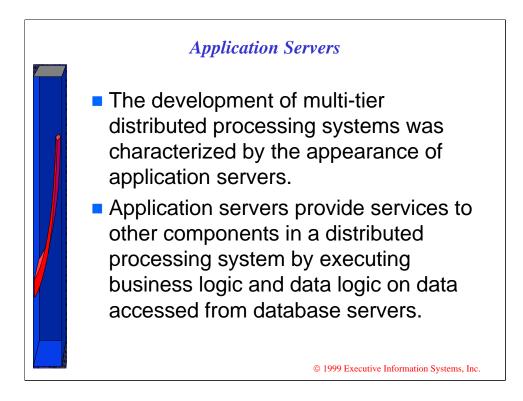
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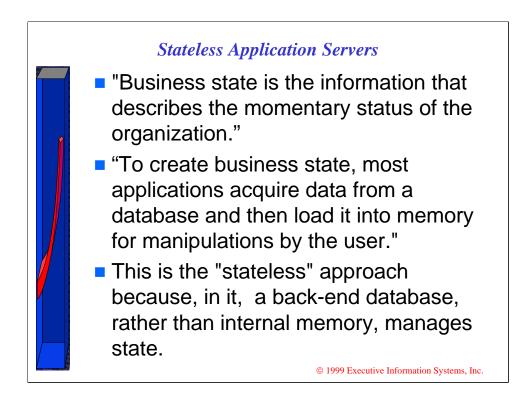


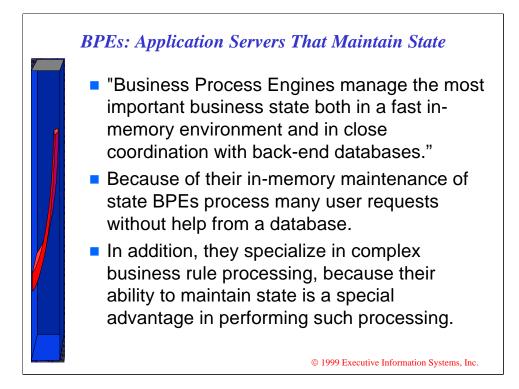


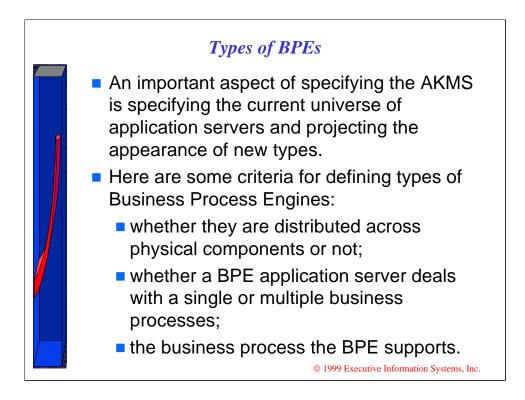


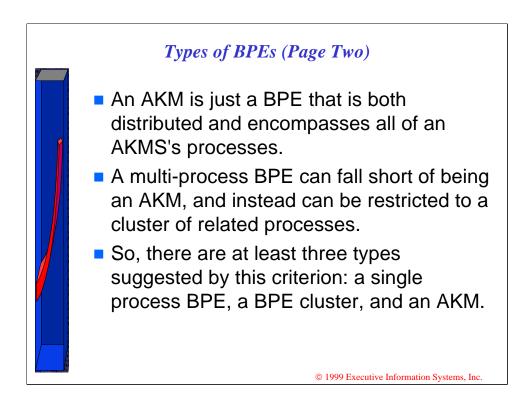


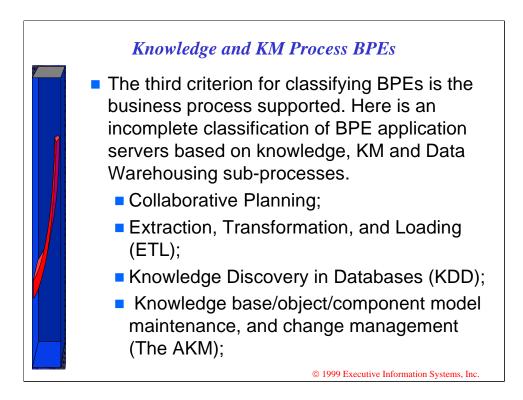


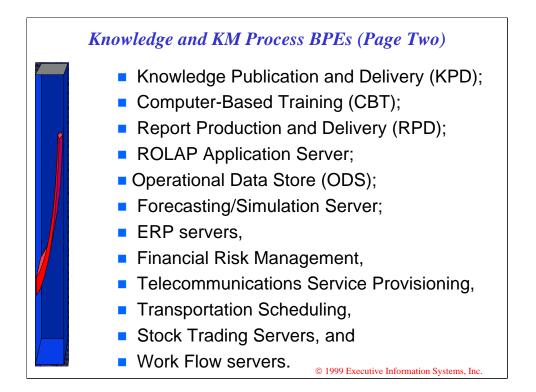


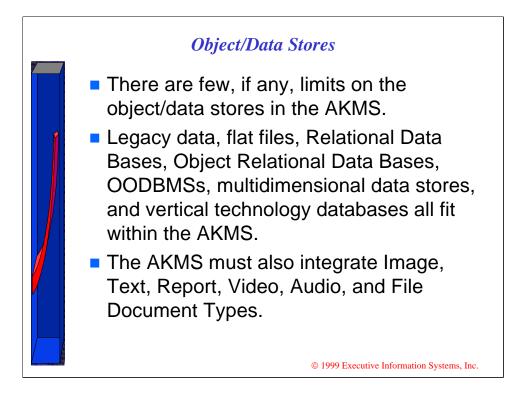


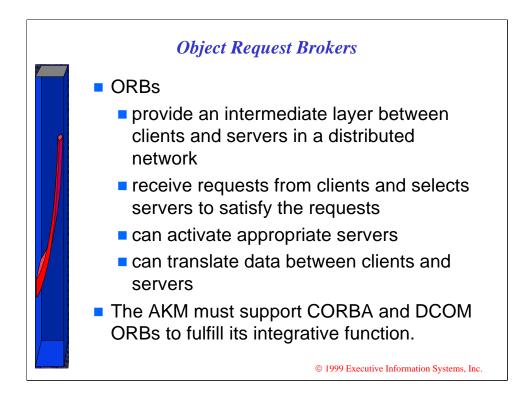


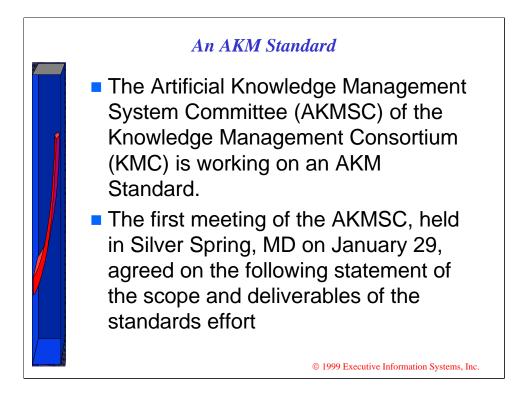












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