

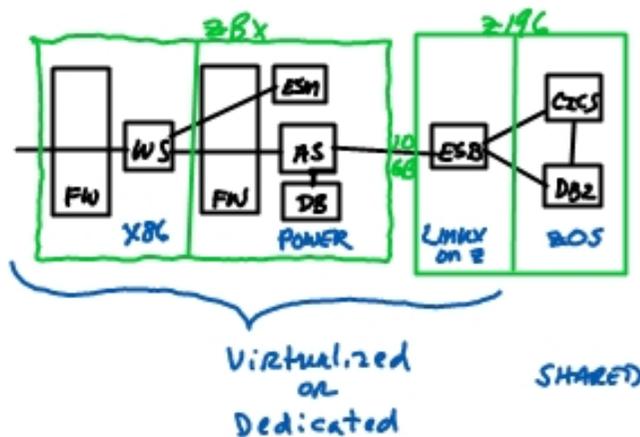
Selecting the Right Platform

Platform Selection Factors

- **Technical**
 - Functional requirements
 - Use cases
 - Non-functional requirements
 - Performance ✓✓✓
 - Scale ✓✓✓
 - Availability ✓✓✓
 - Manageability ✓✓✓
 - Security ✓✓✓
 - Etc.
- **Non-Technical**
 - Cost (TCA & TCO)
 - ISV support
 - Skills
 - Standards
 - Politics
 - Etc.

zEnterprise System

Sample Application



Platform Strengths

- **x86**
 - Granularity
 - User interface
 - Commodity servers
- **POWER7**
 - Compute intensive
 - Parallel processing
 - High performance
- **System z**
 - Mixed workloads
 - High I/O
 - Scalability
 - Security

Workload Types

- **Transaction Processing and DBs**
 - High transaction rates
 - Highest QOS
 - Shared data
- **Web and Collaboration**
 - Scale out
 - High throughput
 - Highly threaded
- **Business Applications**
 - Scalability
 - High QOS
 - Memory intensive
- **Data Warehouse and BI**
 - Compute intensive
 - Memory intensive
 - Scale out

Deployment Models

