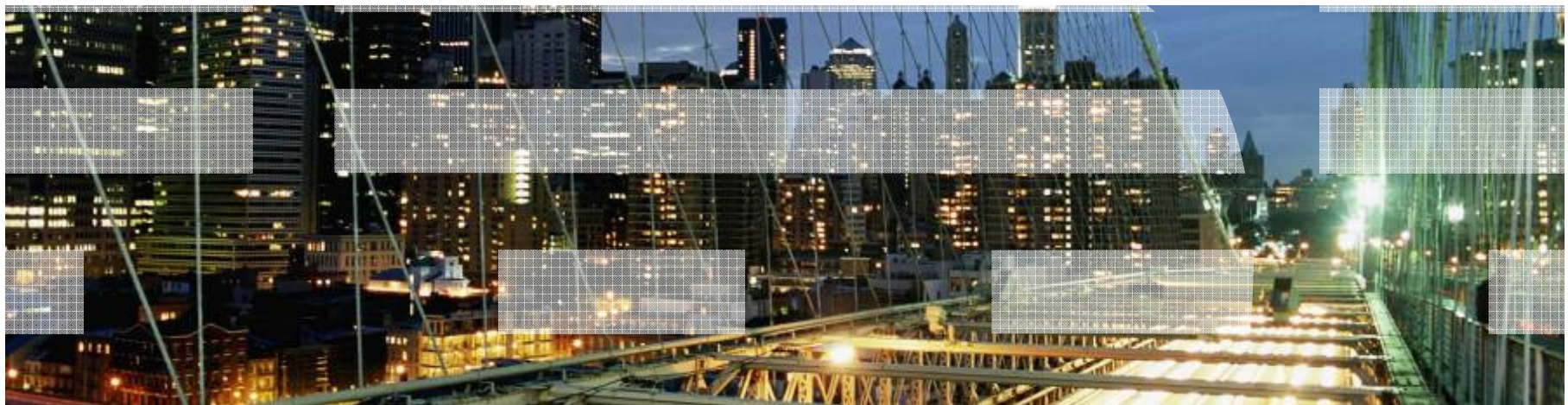

Fit For Purpose for Architects: *Selecting the Right Platform*

William M. Cathcart
Executive I/T Architect
wcathcar@us.ibm.com
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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.

Platform Strengths

Workload Types

Deployment Models

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Platform Strengths

- **x86**
 - Granularity
 - User interface
 - Commodity servers
- **POWER7**
 - Compute intensive
 - Parallel processing
 - High performance
- **System z**
 - Mixed workloads
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Workload Types

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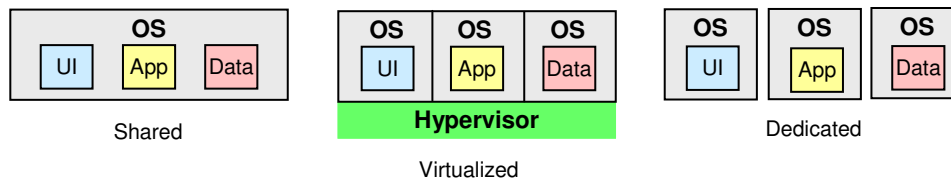
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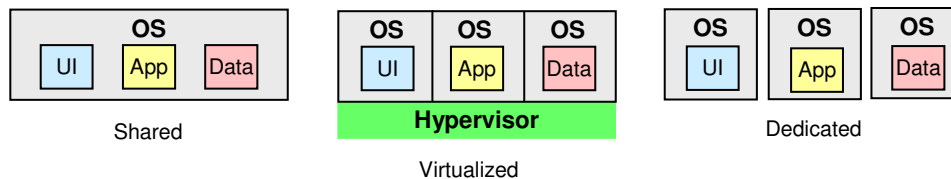
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Workload Types

- **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
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zEnterprise System

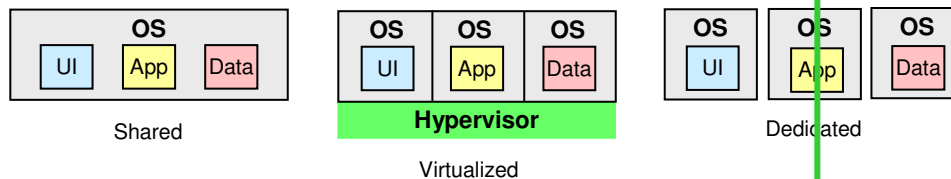
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zEnterprise System

Sample Application

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