



## Hybrid Workload Management Multi-Tier Web Applications Scenario





# Value introduced by the Unified Resource Manager

**Simplified installation of hypervisors**

Gain significant time to market with improved speed of deployment

**Simplified energy management**

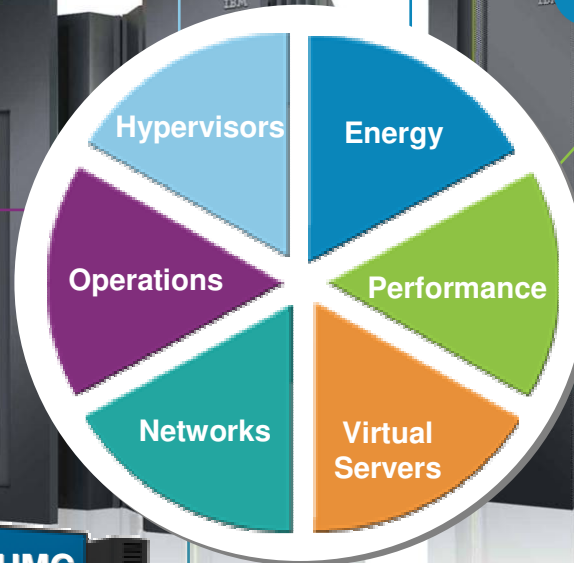
**Energy cost savings**

**Save time, cost and simplify asset management**

Decrease problem determination and resolution time for cross-platform resources

Improve and simplify cross-platform availability procedures

Enable broader and more granular view of resource consumption



Allow critical workloads to receive resources and priority based on goal-oriented policies established by business requirements

Smart business adjustments based on workload insight

Provide deep insight into how IT resources are being used

**Factory installed and configured network**

Improved network security with lower latency, less complexity, no encryption/decryption

**Gain flexibility, consistency and uniformity of virtualization**

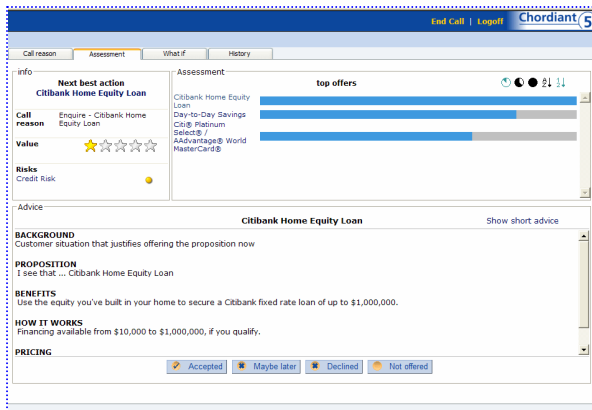
Provide the business with faster time to market

Simplified network management for applications



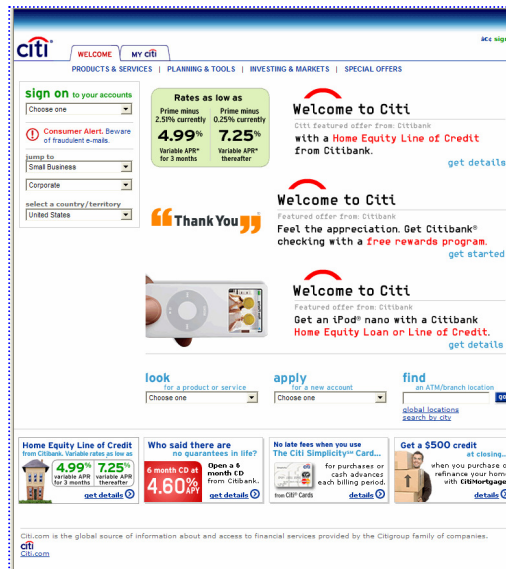
# Hybrid Banking Application example – Pegasystems (acquired Chordiant early 2010) Overview

- Pegasystems provides solutions for customer experience (Cx) management including both customer service and call centre software.
- Cx is more dynamic, individualized and customer-centric versus enterprise-centric Customer Relationship Management (CRM) – also called CRM+
- Over 200 of the world's most trusted brands use Pegasystems products

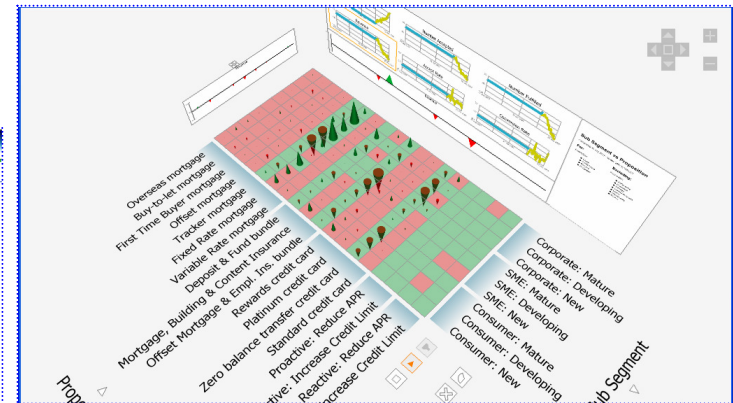


Recommendation Advisor  
Call Centre Users  
1000's

## Decision Manager Customer Interface 100's

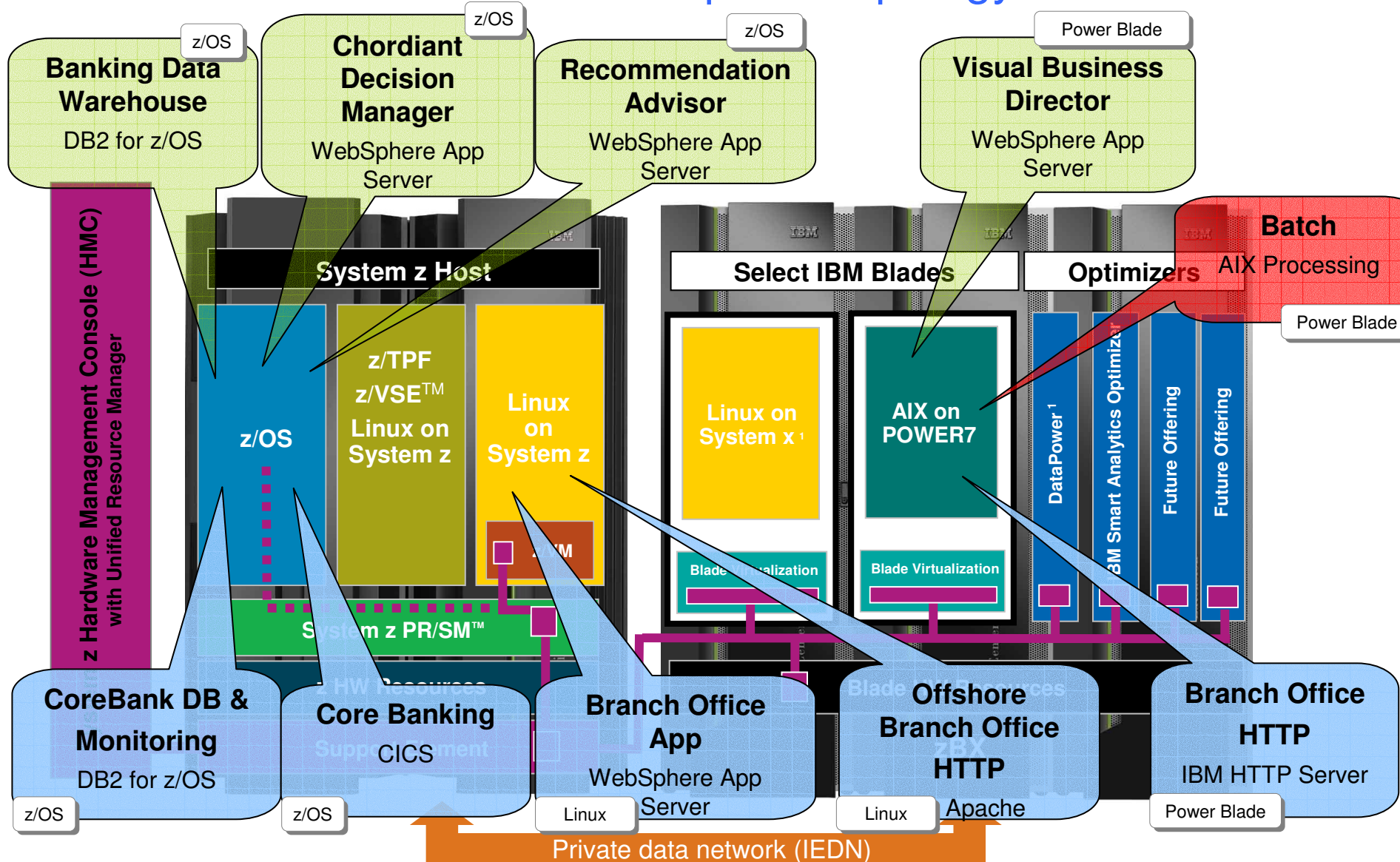


Visual Business Director  
Lending Analysts  
10's





# Showcase Workloads – zEnterprise Topology

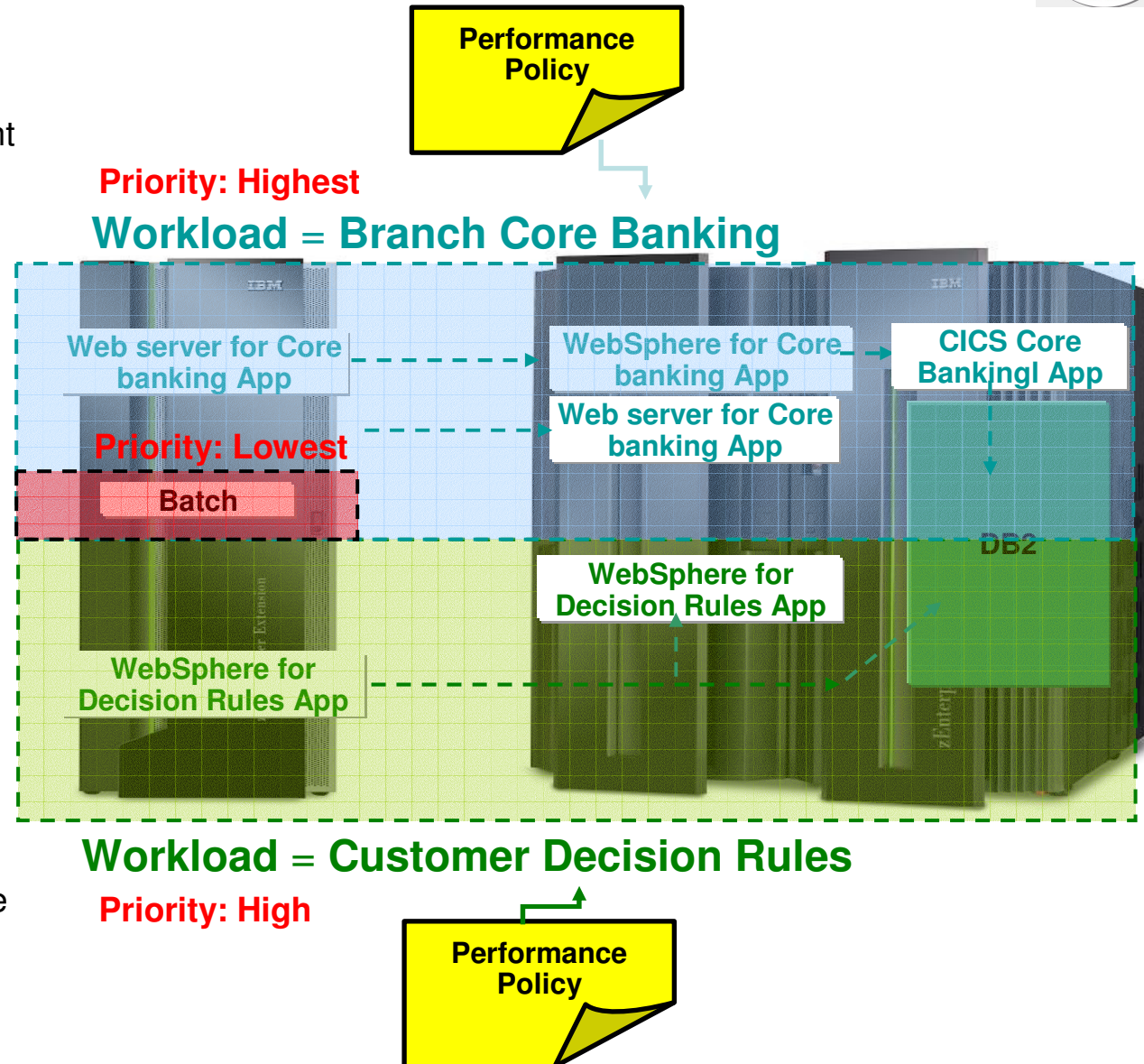




# Smarter Banking hybrid workloads in zEnterprise

## Example of banking workloads running in Heterogeneous environment

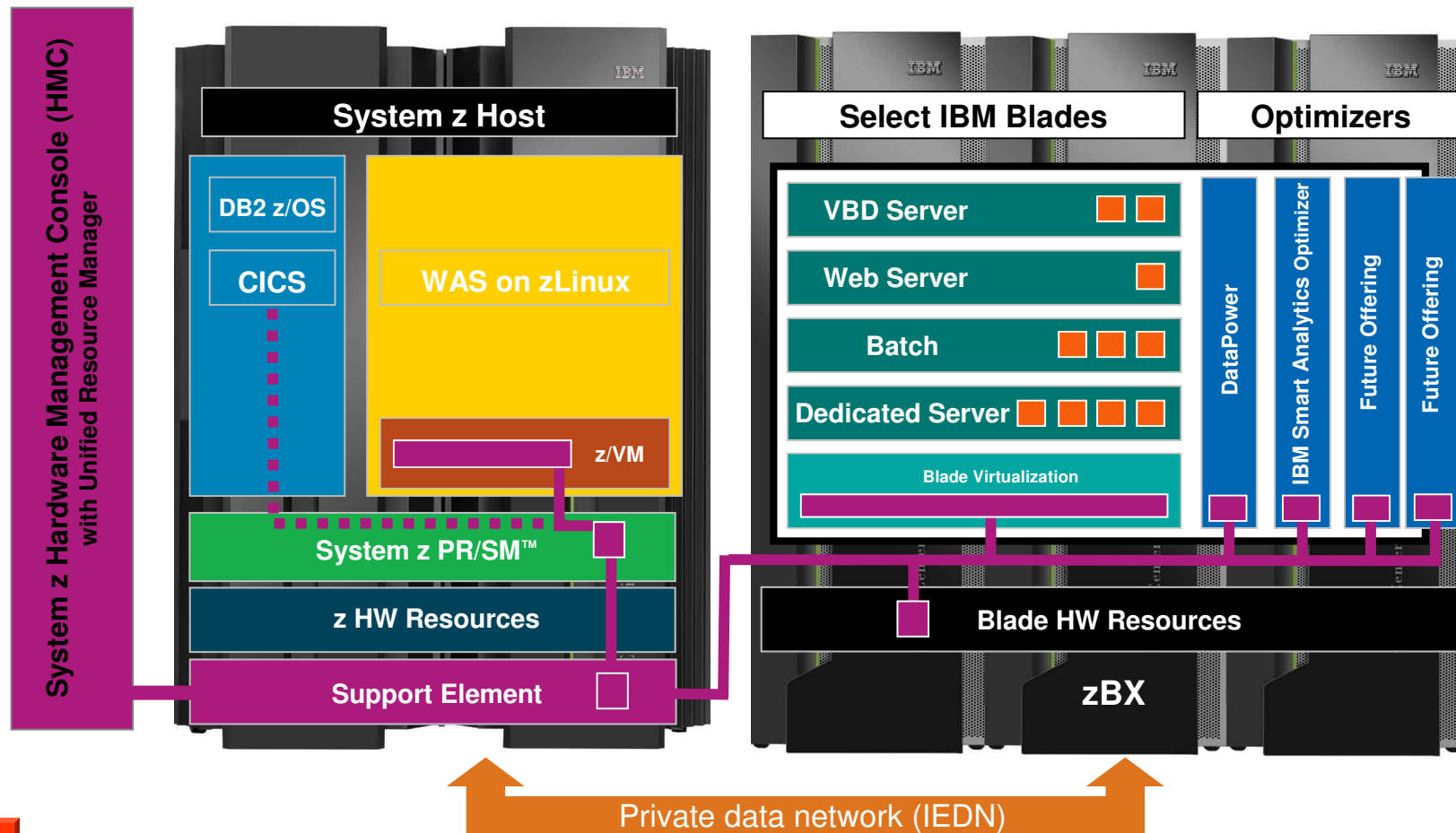
- A **Workload** is a grouping mechanism and management view of virtual servers supporting a business application
- It provides the context within which associated platform resources are *presented, monitored, reported and managed*
- A **Performance Policy** is associated with a Workload
- Unified Resource Manager will dynamically adjust CPU settings to achieve performance policy compliance
- Workloads can span LPARs, blades, and even zEnterprise systems (up to eight)





## Virtual Server CPU Management - Demo Overview

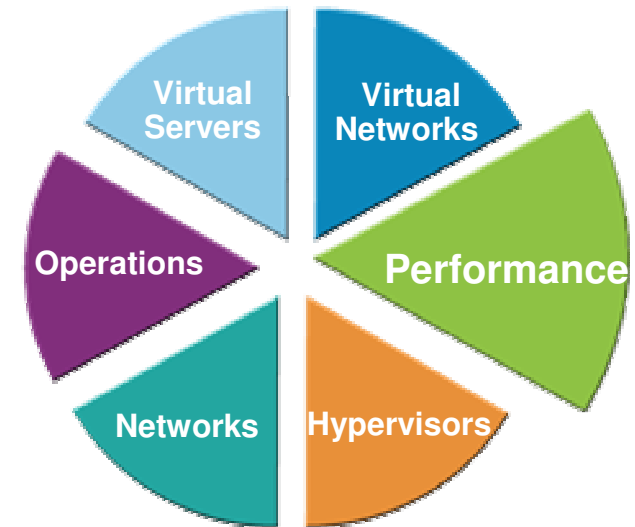
After starting Simulation, workload increases on VBD Server. Workload Adjustements occur to distribute available resources from Batch.





## Summary – zManager Performance Management

- Extend z/OS goal oriented workload management concepts across zEnterprise mixed processors environment
- Integrated function of zEnterprise Unified Resource Manager firmware
- Workload based goal oriented policy definition
- Monitoring and reporting in context of Workload and associated performance policy
- Goal oriented resource management





## Backup slides & demo screenshots