

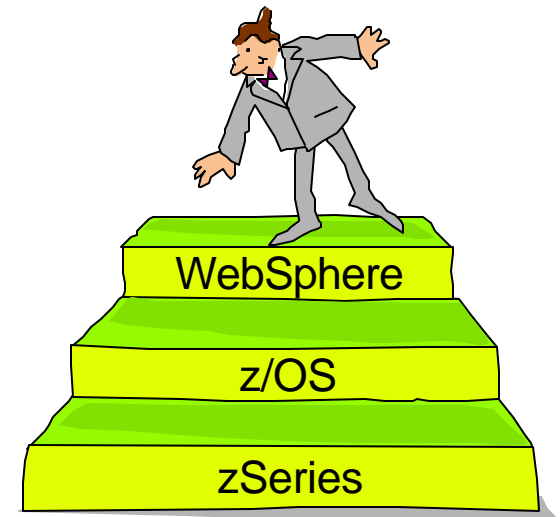


IBM Systems Group

WebSphere zOS Mettle Test 2003

Can Your Enterprise Server Do This?

Observations and Conclusions



Observations/Comments

- **Strengths integral to Websphere/zOS, zSeries architecture**
- **Server running at high utilization during demo**
 - ▶ No degradation in response time and throughput for critical work
- **WAS/zOS and zSeries design goals focused on...**
 - ▶ Operational performance
 - ▶ Availability
- **Be wary of industry benchmark claims**
 - ▶ Benchmarks manage the "known"
 - **Most run only one process at a time**
 - ▶ Mettle Test demonstrates managing the "UNKNOWN"
 - **Runs multiple diverse processes concurrently**

Why run Websphere on z/OS ?

- **Integrated Sysplex functionality**
 - ▶ Ability to scale using sysplex while transparently supporting client/affinity redirection for state management
 - ▶ Ability to dynamically upgrade software level of OS and DB w/o bringing the system down
 - ▶ Ability to survive a software subsystem outage w/o loss of availability of the system
- **zSeries Hardware**
 - ▶ Ability to survive a processor failure w/o loss of availability of the system
 - ▶ Ability to dynamically add additional capacity to respond to unexpected spikes in the workload
- **WAS 4.x and RRS**
 - ▶ Ability to support application models which require 2 phase commit across IMS, CICS, and DB2
- **State of the art resource management**
 - ▶ Ability to differentiate and prioritize work based on service level requirements using:
 - WLM
 - IRD (Intelligent Resource Director)
 - Network QoS (Content based priority routing in the network)
- **Deep End to End Security Integration**
 - ▶ Enhanced RACF controls for user access to TCP/IP stack, ports, network
 - ▶ Integrated intrusion detection services
 - Port scanning, stack attacks, flooding detection

Business Value Summary

- **The Mettle Test Shows that Websphere on zOS can...**
 - ▶ Manage resource consumption based upon business objectives
 - ▶ Run diverse mixed workloads concurrently
 - ▶ Protect critical work from "killer" applications
 - ▶ Dynamically alter "existing" work priorities as business needs demand
 - ▶ Fully utilize all existing capacity for lower cost
 - ▶ Respond instantaneously to shifts in business priorities
 - ▶ Minimize both planned and unplanned outages

...Can Your Enterprise Server Do This??