Smarter Enterprise Computing

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IBM System z
Design a 21\textsuperscript{st} Century Enterprise Computing Infrastructure

- Be capable of handling 50B transactions/day
- Provide on demand BI / analytics for marketplace patterns
- Serve a client website that cost-effectively uses the latest technologies
- Be available 24/7
- Be fully recoverable in the event of a disaster
Enterprise computing has been part of mission-critical since the term was born.
Are these examples of mission critical?
Enterprise systems’ new mission-critical

- Monitoring healthcare
- Saving energy
- Analyzing traffic
- Managing water
On December 23, 2010, VisaNet processed an average of almost 11,000 transactions a second during the busiest minute of the year.
“…we found that running a virtualized Linux environment on System z would be somewhere between 30 and 50 percent less expensive than a distributed architecture. Suddenly, the choice of infrastructure had become an easy decision.”

- Ted Mansk, Director of Infrastructure Engineering and Databases at BCBSM

“System z has the ability to process all these transactions in a very efficient way. The data is already there. We don’t have to pick it up somewhere else, so we can immediately access it with in-memory constructions very efficiently and very fast.”

- Jo Coutuer, Managing Partner, Numius

“…we decided to place our development in the cloud. With this implementation, we’ve reduced provisioning time from 45 days to under 20 minutes, after approvals.”

- Jonathan Moore, Senior Vice President, Citigroup
Which environment would you want to manage?

IBM zEnterprise System?
- zEnterprise 196
- Unified Resource Manager
- BladeCenter Extension running AIX, Linux and Windows

Competitive “data center” in a truck?
Lasting technologies continue to evolve
The evolution of the mainframe
The evolution of technology
Hybrid computing is the future of enterprise computing
A career in enterprise computing …

IBM and our clients want students to help solve the toughest problems on the planet … while implementing green technologies.
… while broadening knowledge of open technologies.
… while expanding business acumen.

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