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RADIXX®
INTERNATIONAL
All systems. Go.™

From Server Farm to z Systems

Radixx Overview

- **SaaS Hosting of Core Airline Reservations System**
  - Supporting all airline business models
  - Optimized for the developing world
  - 40 airlines on 5 continents from Orlando datacenter
  - 90,000 directly connected travel agents
  - One hour down = $1,000,000 loss

- **Running on a 400 Server Farm Private Cloud**

Reasons to Change

z Scalability

- **Massive Increase in "Look to Book" Ratios**
  - Unconstrained mobile demand
  - Unconstrained online travel agencies demand
  - High I/O, low cpu requests
- **Constant Growth**
  - Organic booking growth at 25% per year
- **Mainframe Can Scale in Place**
  - Dynamic reallocation of resources
  - Massive ability to expand inside the box

z Reliability

- **Adding servers increases complexity and risk**
  - z System reduces moves, adds, changes, patches
- **Challenging to manage a multi-vendor server farm**
  - Much easier to grow, manage and monitor a mainframe
- **Mainframe is an engineered closed system**
  - Eliminates problem of the weakest link failing
  - Redundant at all levels
  - Realtime IBM monitoring
  - Zero downtime for upgrades and maintenance

z Security

- **Hacking Attempts Increasing**
  - Servers get hacked most often
  - Closed environment mainframes harder to hack
- **Storing Precious Data**
  - Credit card data
  - Passport and other personal data
  - Years of data online
- **Mainframe Environments are Harder to Hack**

Lower TCO

- **TCO reduced by 35%**
  - Less Floor Space
  - Lower Power and Cooling
  - Competitive Software Pricing
  - SW Licensing at Parity with or below X86 servers
  - Low migration cost
  - Built-in management and monitoring
  - Less staff needed for adds, moves and changes

Hybrid Cloud

- **Systems of Record move to z Systems**
  - Database
  - Big Data Apps/Cognos/Data Warehouse
  - MQ
  - APIs
  - Payment processing
  - 172 x86 cores moves to 10 z Systems cores

- **Systems of Engagement move to SoftLayer Cloud**
  - Client facing IBE
  - Travel Agency Portal