



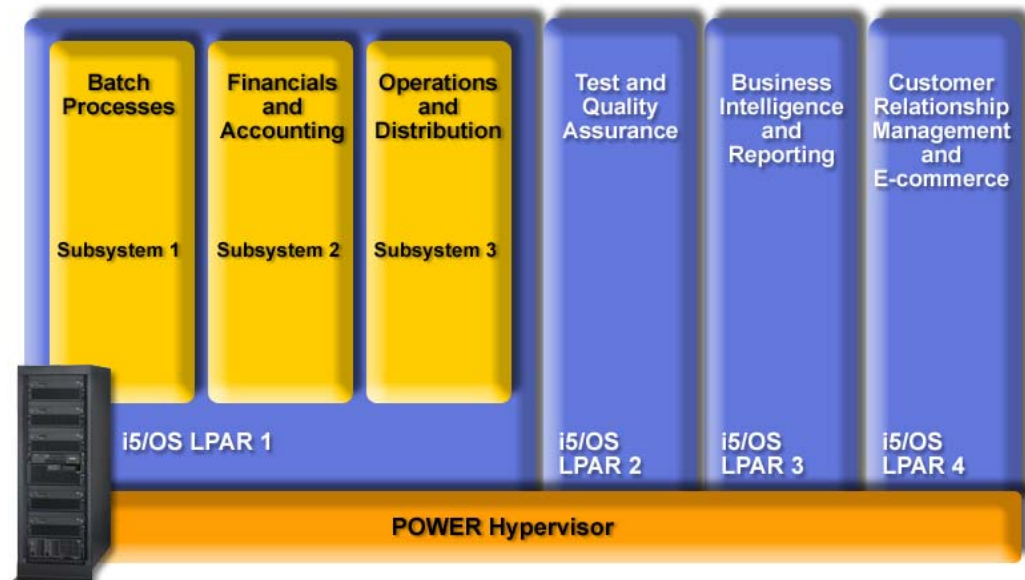
IBM Power Systems

# i5/OS Product Preview

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# i5/OS – Efficient, Resilient Business Processing

- Integrated middleware for efficient business processing
- Virtualized to manage multiple applications and processes
- Optimized for exceptional business resilience
- Trusted security with auditing and compliance tools
- Designed for open application design choices
- Simplified operations and storage management
- Scalable to enable non-disruptive business growth



<http://www-03.ibm.com/systems/i/os/i5os/>

# The Business Value of IBM System i & i5/OS

## Key findings:

- ✓ System i required less IT staff time to manage
- ✓ System i servers had significantly better uptime
- ✓ System i servers supported more workloads
- ✓ System i systems supported more end users



Operational Cost Metrics		
	System i	x86
% of users per server	69	19
IT staff per server	0.30	0.40
Users per server	111.05	59.75
IT staff (supporting servers) per user	0.003	0.007
Workloads per server	5.86	1.21

Source: IDC, 2006

Service-Level Metrics		
	System i	x86
Downtime hours per server per year	0.58	15.50
Time spent per user annually responding to virus attacks (hours)	0.05	0.21

Source: IDC, 2006

IDC Paper: The Business Value of IBM System i in Mid-Sized Business Deployments, August 2007  
 Available 7/24 at <http://www.ibm.com/systems/i/literature/analyst/>

## Previewing i5/OS Version 6 Release 1 in 2008

- Safe computing initiative
  - i5/OS encryption, intrusion prevention & system integrity enhancements
- High availability initiative
  - Cross site mirroring and administrative system domain
- Advanced virtualization
  - Hosting storage for i5/OS partitions, virtual I/O server client support
- Extended SAN integration
  - New Fibre adapter & tools investments enhance interoperability & performance
- Web-based multi-platform systems management
  - IBM Systems Director replaces current i5/OS Navigator product
- Optimizing Java™ performance
  - New IBM 64-bit JVM & data access performance enhancements
- Integrated Web services environment
  - Simpler deployment and better integration with Web services



\* This presentation contains information about IBM's plans and directions. Such plans are subject to change without notice.

## i5/OS Program Conversion Preview

- ✓ **Ensures unprecedented system integrity**
- ✓ **Enables exploitation of future system and processor capabilities**
- ✓ **Delivers improved performance**
  - Program conversion will be required to run with i5/OS V6R1
    - Program conversion automatically upgrades software to exploit latest system enhancements
    - Not *required* for POWER6, which can run current i5/OS V5R4
  - Conversion requires program's creation data (observability)
    - Note that all programs created for V5R1 or later releases have had their creation data automatically saved during program creation
  - Tool to analyze program conversion for i5/OS V5R3 / V5R4
    - Identifies potential issues, if any, and estimates conversion time
  - Program conversion is performed during install/restore of applications, at first use or at scheduled time



ITSO Redpaper and Tool(PTF) available on 7/24/07