IBM Flex - Power Node Capability

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Market shifts are driving IT imperatives

Mobile, social, big data & analytics are redefining client engagement

Cloud is the new delivery model

IT economics is driving converging infrastructure

MEET DEMAND
Of new applications, and workloads thru IT consolidation

SIMPLIFY CLOUD
With choice in infrastructure, application and platforms

IMPROVE IT EFFICIENCY
To lower IT cost

IT Imperatives
Today’s challenge: Time spent tuning general purpose components

Is your infrastructure Cloud Ready? Data Ready? Security Ready?

- 68% of IT Budgets used on maintenance³
- 71% of IT Managers say security is the biggest challenge in adopting mobility⁴
- 2/3 of organizations fall behind schedule when deploying new IT capabilities⁵
IBM PureFlex: Value of an Integrated infrastructure

**Lower Operational Expenses**
- **Consolidates** more 3rd party technologies than any other competitor
- Works within the datacenter you own **today** and **tomorrow**
- **Choice** of Compute, Storage, OS, Hypervisor and Network components
- Improve IT **management** efficiencies

**Deliver Services Faster**
- **Architected** and **certified** Virtual Desktop Solutions
- Networking to **discover**, **simplify**, and **secure** VM deployments
- Management optimized to **setup / deploy** resources **faster** and more securely
- **Single** point of contact for life-cycle

**Investment Protection**
- Support the next **decade** of growth in your datacenter:
- Chassis supports multiple **40Gb** Ethernet Channels and **16Gb** Fibre Channels
- Switches that allow you to grow as your I/O requirements **change**
- **Power** and **thermal** designed to support higher wattage requirements of future processors, storage, I/O, networking, and management
Flex System: POWER compute node Positioning

- **p24L**
  - AIX/IBM i/Linux
  - Linux only
  - 2-sockets
  - 8 to 16-cores
  - Optional High-Value features
  - Competitive with x86

- **p260**
  - AIX/IBM i/Linux
  - 2-sockets
  - 4 to 16-cores
  - Flexible configuration
  - Leadership Virtualization
  - Application Workloads

- **p270**
  - AIX/IBM i/Linux
  - 2-sockets
  - 24-cores only
  - Dual SAS Controllers
  - Leadership Virtualization
  - Cloud Ready

- **p460**
  - AIX/IBM i/Linux
  - 4-sockets
  - 16 to 32-cores
  - Flexible configuration
  - Leadership Virtualization
  - Demanding Database

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Power Flex POWER7 + Node Offerings

- **p260 7895-23A**
  - Cores: 4
  - Max Memory: 512 GB

- **p260 7895-23X**
  - Cores: 8 / 16
  - Max Memory: 512 GB

- **p270 7954-24X**
  - Cores: 24
  - Max Memory: 512 GB

- **p460 7895-43X**
  - Cores: 16 / 32
  - Max Memory: 1 TB
• HMC Power Flex Node Management
• Chassis: Controls only Power Nodes
  - Intel & Storage nodes can be installed
  - No FSM presence
• Nodes appear as stand alone servers
• Virtualization / Configuration Management
• Energy Management
• 7.7.0 Firmware is required