IBM Software Group

IBM z/TPF Business Perspective

TPF and z/TPF

Transaction Processing Facility (TPF) is IBM's specialized operating system and transaction processor for high-end, high-volume, high-bandwidth computing. Designed to excel in the most demanding operational environments, TPF is optimized for large scale computing and takes advantage of the outstanding memory and I/O management capabilities of the IBM System z family. TPF is optimized for:

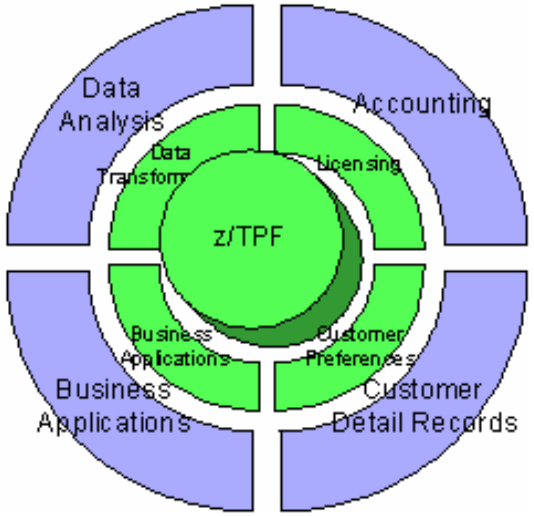
- Maximum transaction rates per second (currently in excess of 25,000 plus per second)
- Fastest access to data (maintained for business and/or security reasons) in large, contiguous data bases

- z/Transaction Processing Facility Enterprise Edition (z/TPF) available September 2005
  - 64-bit extensible architecture – relieves memory constraints
  - Modern application development environment using Linux/open tooling
  - Supports customers' services centric plug and play/SOA strategy

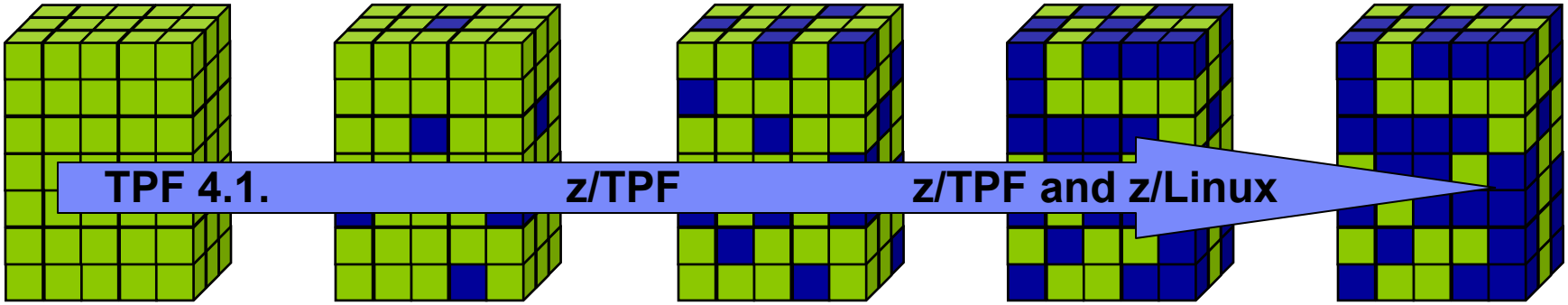
z/TPF and z/Linux allow customers to move from proprietary to Open Systems

z/TPF 1.1

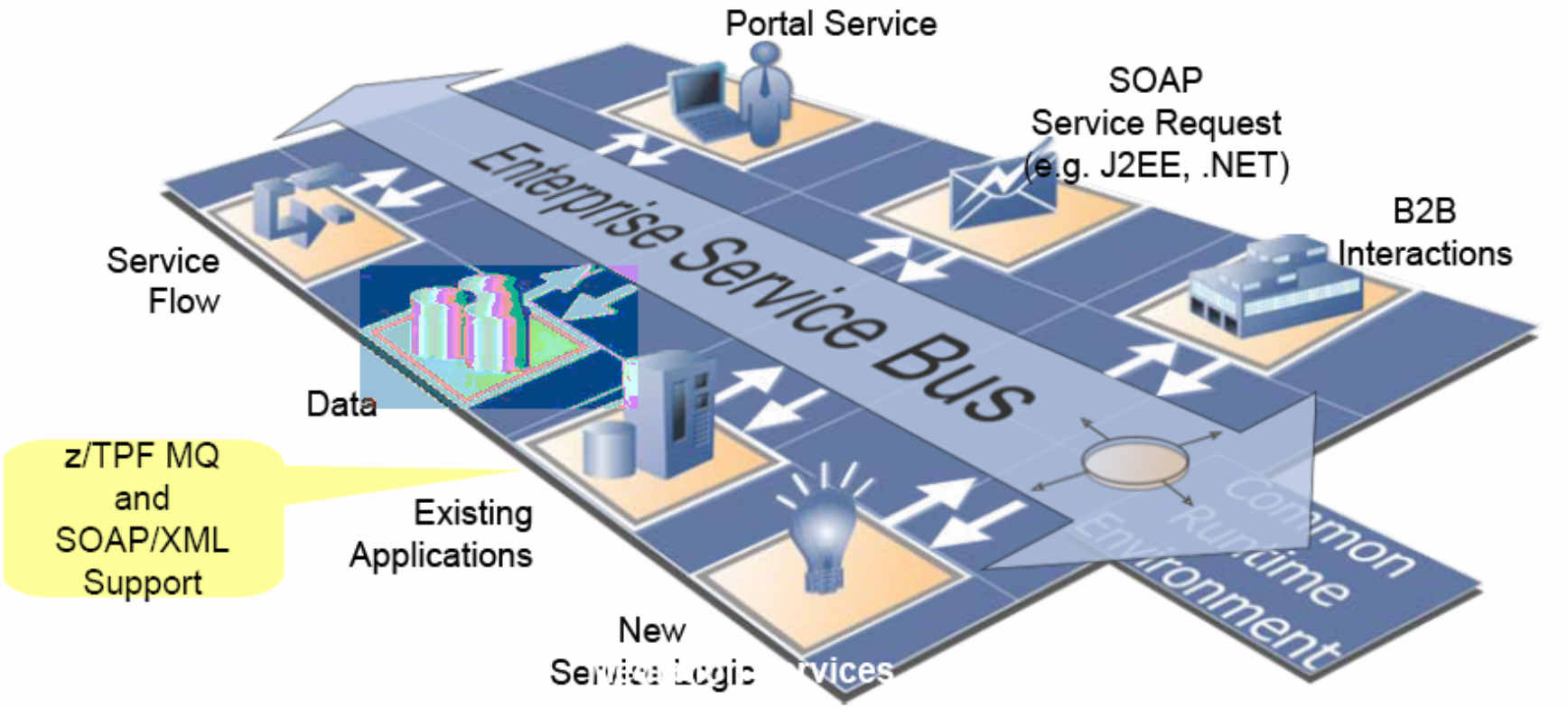
- Open development model
  - Commodity skills, commodity tooling
- Componentization of existing code
  - Assembler programs repackaged as reusable objects
  - Breaks monolithic code base into manageable parts
- Inclusive or shared Architecture
  - z/TPF now a vertically scaling part of a distributed system
  - Promotes the componentization and distribution of function



Green - Mainframe
Blue - Distributed



z/TPF fits into your Services Centric Plug and Play Strategy



z/TPF Business Advantages

- Open systems development benefits now apply
  - Common skill set across IT
  - Option to hire entry level skills
  - Millions of lines of open source code available – porting option, faster time to market
  - Modern/enterprise-wide development tooling
  - Support legacy and new application evolution to open systems
- Expanded memory capability
  - Allows exploitation of open systems technologies
  - Allows expansion/growth for existing clients/applications
  - Enables additional Hosting capabilities
- Flexibility
  - Supporting legacy and new application evolution to open systems
- Pricing options allows:
  - Full box pricing or
  - Usage based pricing
- Unmatched availability, reliability, and scalability

Modern Environment Benefits

TPF 4.1	z/TPF	z/Linux → Open Systems
Tightly Coupled with Operating System	Services Centric	Services Centric
Specialized Technical Expertise	Standardized Open Development (C/C++)	Standardized Open Development (Java and GNU suite)
Limited Open Source	Open Source	Open Source
Extreme Transaction Processing	Extreme Transaction Processing	Sophisticated business logic with little latency
Hardware (box) based pricing	New Pricing Options	Potential cost savings when coupled with z/TPF
Five 9's Availability and Reliability	Five 9's Availability and Reliability	Business Determined
Memory Constraints	Enhanced Memory	Business Determined
Extreme I/O Capability	Extreme I/O Capability	Business Determined

Conclusions and Summary

z/TPF Advantages

- Faster time to market – commodity skills, open source, enterprise wide tooling
- Potential cost savings – usage based/workload charging
- Capability to service new/existing customer/user needs and add new functionality rapidly
- Minimize risk by embracing a proven, high volume transaction processing solution
- Long term, strategic business plan that utilizes modern, Services Centric solutions