



IBM Software Group

TPF User's Group Spring 2005

How to get From Here to There

So, where is "there"?



Stu Waldron , STSM

Enterprise Platform Software Development

AIM Enterprise Platform Software

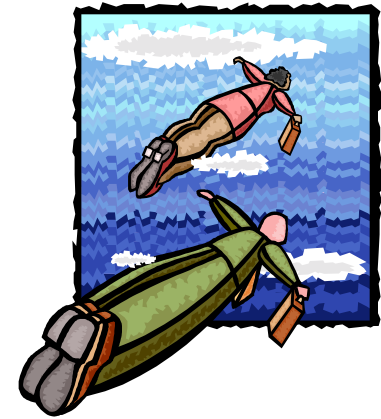
IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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Agenda

- Stu Waldron (that's me)
 - Where is “there”
- Theme Presentation
 - Penny Cresswell
 - z/TPF Feature, Function and Benefits
 - Bill Supon
 - z/TPF Implementation and Migration



Starting from Where?

- Three Common States of TPF Systems

- Static systems

- Little activity, just there to run a legacy function

- Stable but growing systems

- Largely legacy systems, most (not all) innovation occurring on other platforms
- Growth largely thru increasing message rates

- Core platform, critical to the business

- Active development to meet business needs
- Efforts to modernize development and function access to meet business needs and increase efficiency (lower costs)
- Growth from both message rates and increasing complexity of function



Business Goals

- Different States means Different Goals
 - Static systems
 - Want to keep a stable system, keep costs down
 - Stable but growing systems
 - Want to keep a stable system, keep costs down
 - Need to protect long term viability of the system, staffing (skill base) and maintainability
 - Core platform, critical to the business
 - Stable system, keep costs down, adequate staffing and maintainability
 - Must modernize development and function access (service calls)
 - Reduce overall IT enterprise costs by moving to a common infrastructure
 - Leverage the investment (millions of dollars of sunk costs in legacy systems)



Cake and eat it too



- Most products produce new versions every two to three years
 - For many types of servers one migration is barely complete before the next begins
- Customer feedback has been this is too disruptive, costly and too much risk for core critical systems
- Hence disruptive technology changes like 64 bit and open systems support are held off and come in “big” bites

Define Where you need to be: “There”

- Static Systems
 - Still need to be on a stable, supported platform
 - Need to maintain hardware currency
 - Need to maintain at least a minimum skill base
 - Probably need to modernize legacy access methods



Define Where you need to be: “There”

- Stable but Growing Systems
 - Need to be on a stable, supported platform
 - Need to maintain hardware currency
 - Need to maintain an adequate skill base
 - Need to modernize legacy access methods
 - Need to provide for growth
 - Huge advantage if the remaining development on TPF could be done with the same basic skills and infrastructure as the “favored” systems

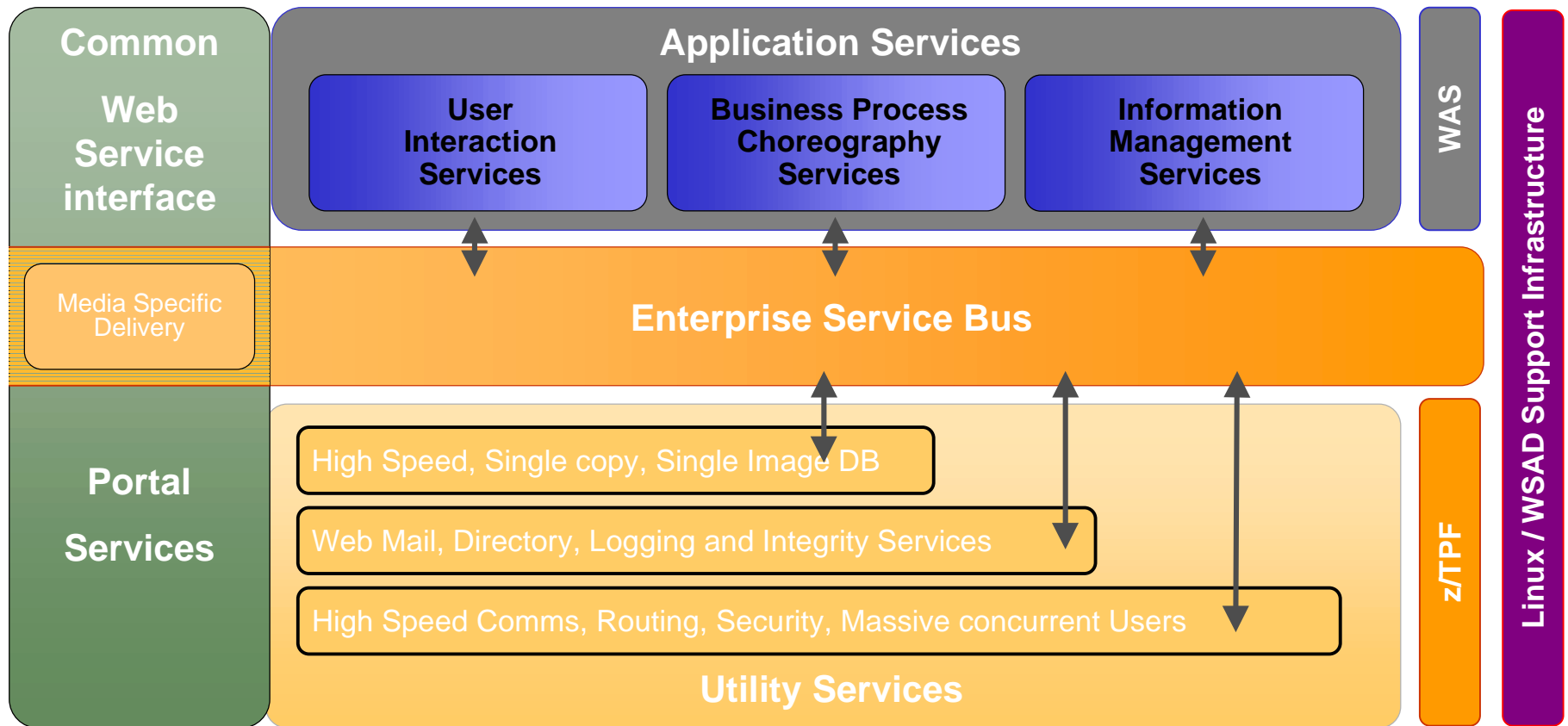
Define Where you need to be: “There”

- Core platform, critical to the business
 - Need to be on a stable, supported platform
 - Need to maintain hardware currency
 - Need to maintain an adequate skill base
 - Need to modernize legacy access methods
 - Need to provide for growth
 - Need to get to a common support infrastructure
 - Need to make the legacy investment into an asset ready for reuse and exploitation together with net new development



“There” with Web Services Technology

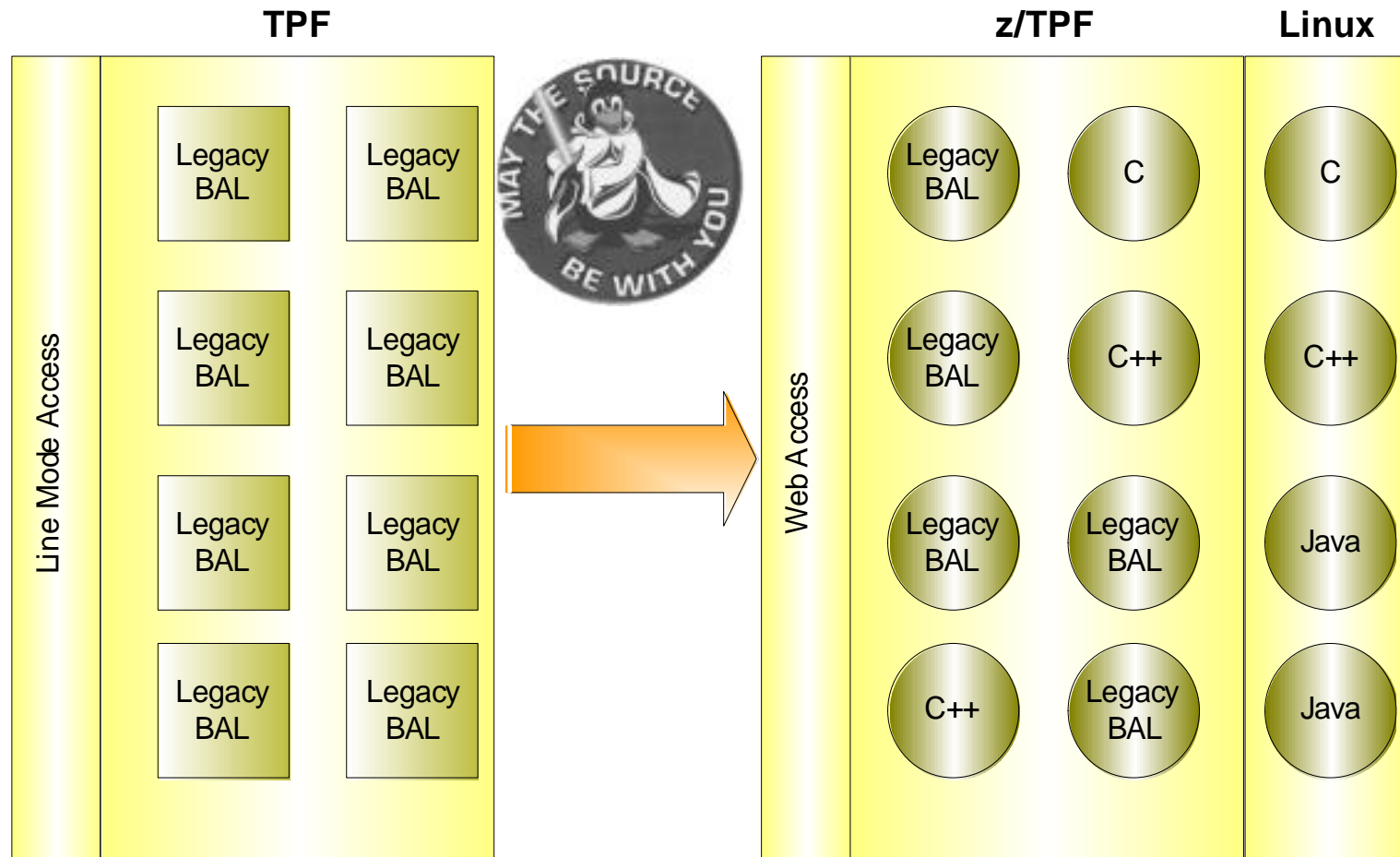
Sophisticated Business Logic



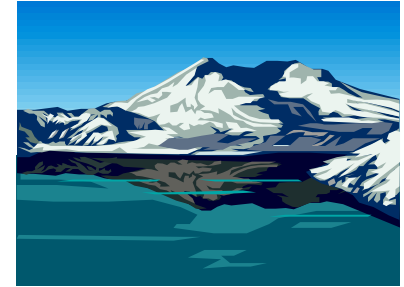
Heavy Lifting, QoS, Price Performance

*WAS – WebSphere® Application Server

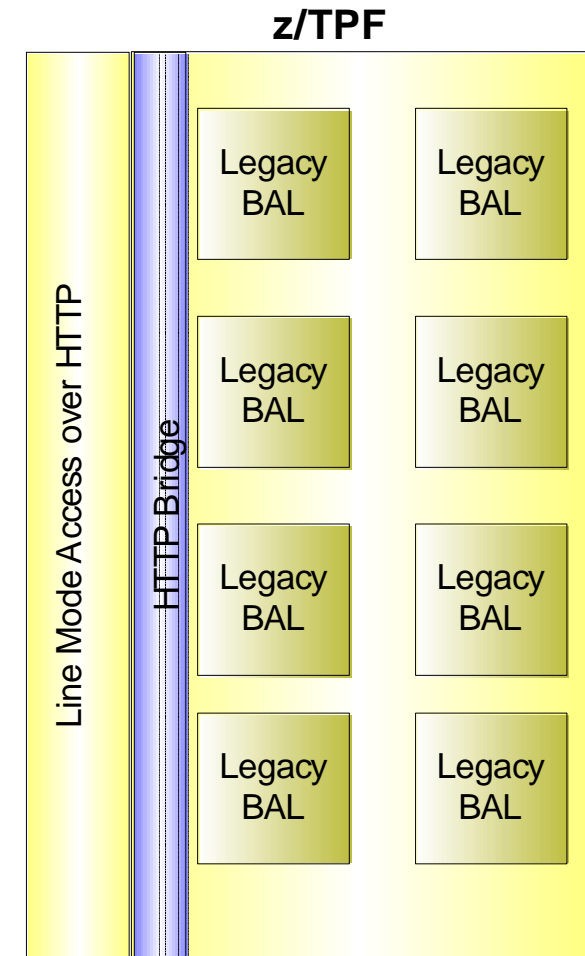
Transformation of Legacy Assets



Minimal Considerations

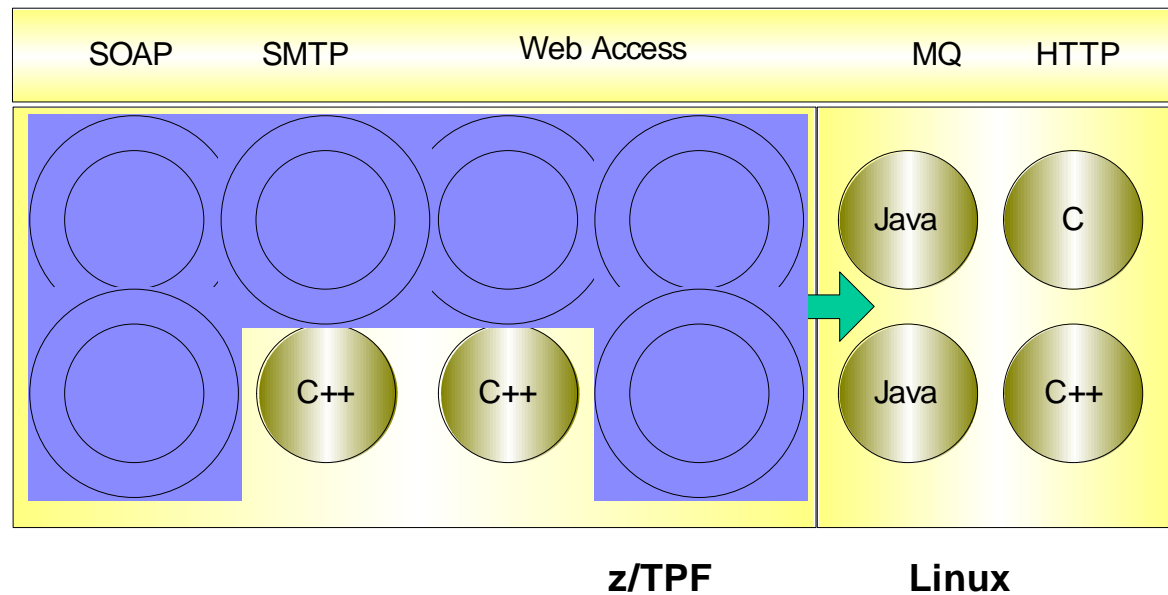


- For the static or slow growth solutions
 - Must change legacy access methods to at least a basic URI , http
 - HTTP providing line mode access to programs moved to z/TPF “as is”, no repackaging



Transformation of Legacy Assets

- Legacy assets repackaged to closer match actual usage pattern
- Legacy line mode access methods replaced with a services model



Migration Assistance

- Education and Services
 - Details available in the hospitality suite
- Open Source Compiler Service Offering
 - Bill Supon will Cover
- TPF 4.1 Service beyond end of service date
 - Service offering to continue supporting 4.1 in the same manner as today for problem resolution and fixes
 - Service rates will vary depending on PUT level and size of systems
 - Please see members of the TPF business team if you wish to get a cost estimate (our best effort estimate at this time)


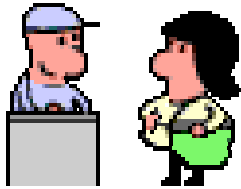


From Here to There

- Next Steps,
- Theme Presentation
 - Penny Cresswell will help you understand features in more detail
 - z/TPF Feature, Function and Benefits
 - Bill Supon will help you get organized for the journey
 - z/TPF Implementation and Migration



Today's Schedule

- Mary Huang, TPF Toolkit
- Mark Gambino has a surprise 
- Lunch
- Theme Presentation (Penny and Bill)
- RedHat on Open Source
- Visa Customer Presentation
- Hot Topics and Hospitality Night 
 - Great demos and Mark returns for “Will Consult for Beer”

Presentations

- Dr. Bob on quality analysis in CP Subcommittee
- Chris Filachek DASD and DB updates
- John Tarby on TPFAR
- Mike Shershin on requirements for norm state pool reallocation
- Kevin Jones TPFDF
- Don Kallberg on TOS
- Ellen Smyth on the IC
- Mark Gambino with more comms updates
- Sue Pavlakis on single source APARs
- Pete Nicholls, Andrea Rice, Mary Huang, with more
- Calvin Clark talking about z/Series processor features



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