

SLES on the Mainframe

Making IT Work as One™

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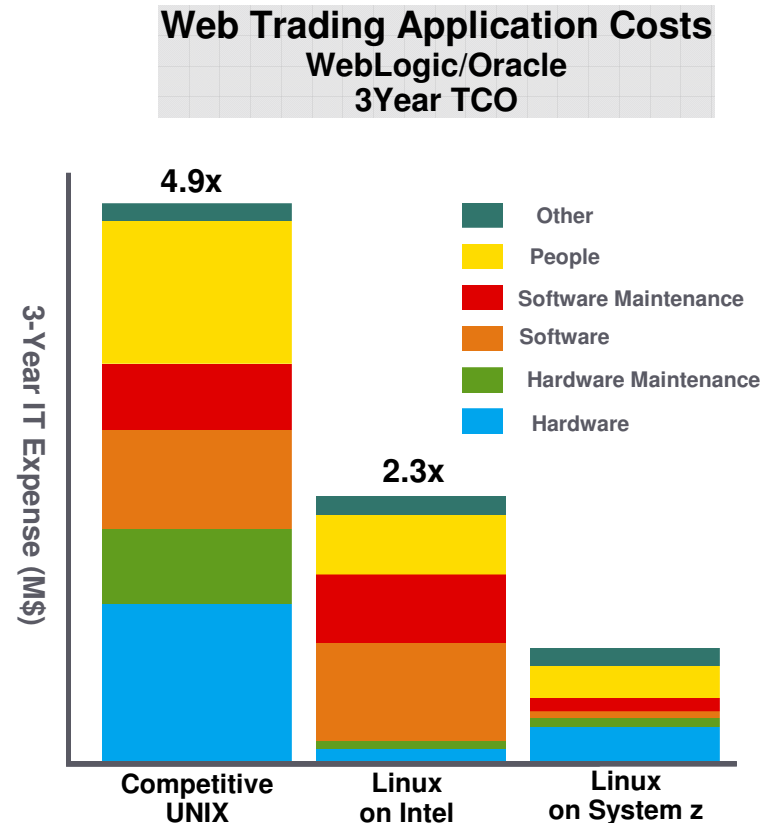
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Agenda

- Linux on the Mainframe – why it's important to Novell
- Working with IBM and CC
- Workload analysis
- CICS migration programme
- Next steps/contact details etc

TCO Impact of server consolidation to Mainframes

- TCO may vary:
 - Potential for dramatic reductions in software expense for processor based licenses
 - Significant reductions in power and cooling costs are typical
 - Cost curve is not linear: when will infrastructure break?
 - People savings from virtualization
 - Increased processor utilization



Source: Capricorn whitepaper

Source: Scorpion Study 1999 - 2005

*Workload consolidation using Linux on a mainframe
can result in significant TCO savings*

Working with IBM and CC

- Novell has a close working relationship with IBM and CC.
- Technical training session on 7th – 9th October
- CC running SLES on their Mainframe in their Solutions Centre.
- Joint technical workshops
- Help to define the business and technical case

Workload analysis - Examples

- Best Fit applications – Leverage Mainframe strengths
 - High Availability
 - High I/O bandwidth capabilities
 - Capability to run diverse sets of workloads concurrently
 - Data exchange using shared memory or fast interconnects such as HiperSockets.
 - Server consolidation resulting in co-location of applications and reductions in network traffic.
 - Etc
- Examples
 - Oracle Database
 - WebSphere MQSeries
 - SAP
 - IBI WebFOCUS
 - CICS Transaction Gateway
 - Back up solutions such as Tivoli Storage Manager

CICS Migration Programme

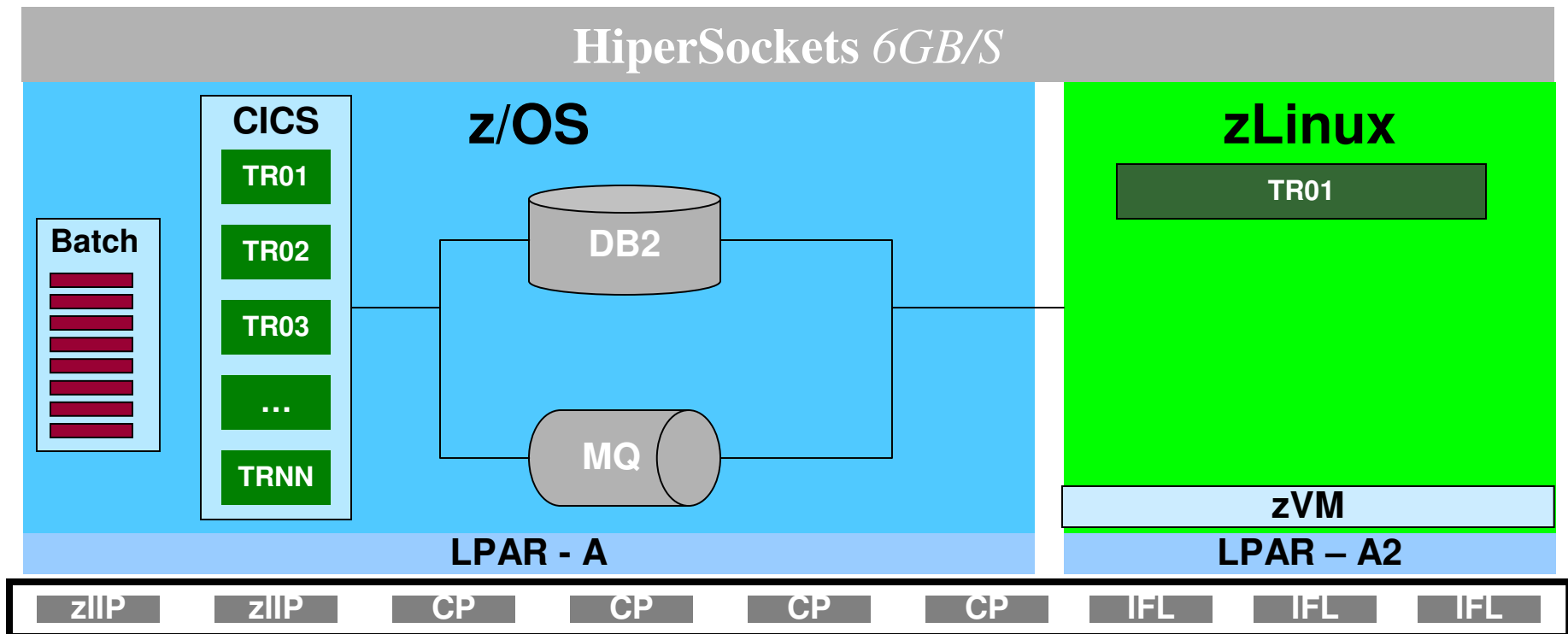
- Current programme is a joint venture between IBM, Novell, Accenture and Micro Focus.
- The focus is on **Mainframe Optimization**, transitioning CICS transactions from zOS to SUSE Linux
- The programme focuses on **Reducing Costs** (by around 20% - 50%) while mitigating **Operational Risk** (don't leave the mainframe).
- Accenture has completed one referencable project, and has three ongoing.

Keep the risk **low** – move **one** CICS transaction at a time



At the beginning, one transaction should be migrated to the new platform

- Enable the work to be done in both the new and the old world – only process a fraction of the transaction volume under Linux
- Test out the operations in the new world
- Build confidence that the new platform can handle the transaction and the load
- Update next migration plan



Qualifying Questions

- Does the organisation have Mainframes?
- Does the organisation run CICS applications?
- Are the applications custom written in Cobol (organisation needs to have access to source code)?
- Do the applications consume more than 4,000 general purpose MIPS?
- Does the organisation have any IFLs installed?
- Etc...
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