

11083: Understand the power of the IBM mainframe storage management portfolio to save time and money

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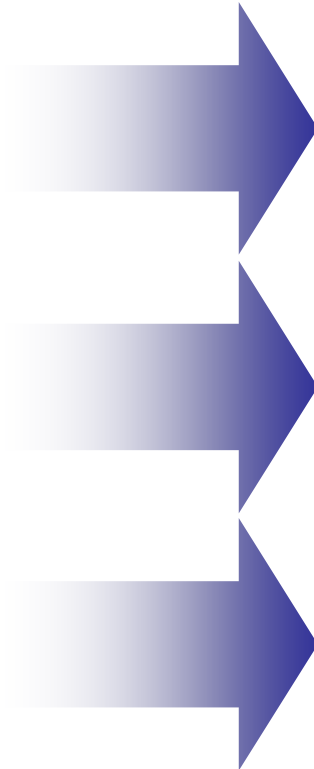


Tivoli's zStorage solution can increase productivity, reduce costs and foster synergy



Customer Challenges

- ***Simplifying the management of multi-vendor storage devices***
- ***Minimizing outages & managing changes in the storage environment***
- ***Declining staffs, skills & budgets***



Overcoming Challenges

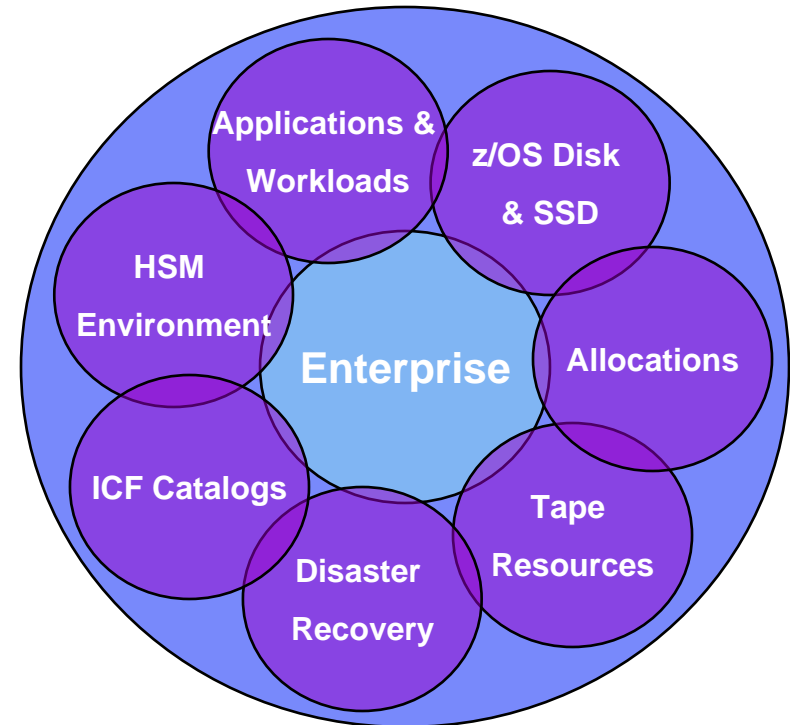
- ***Common set of tools across many storage systems***
- ***Tailored alerts and automation of tasks and preplanned corrective actions***
- ***Comprehensive, enterprise-wide view of storage infrastructure to support resource management, risk mitigation, cost savings and compliance***

IBM Tivoli System z Storage Solution – Leading Edge



Tivoli System z Storage Solutions address many key disciplines

- Powerful integrated storage monitoring
- Heterogeneous HW/SW environments
- Flexible reporting options & analytics
- Intelligent alerts & automated problem responses (manage by exception)
- Common interface and linkage to ISM components, breaks down silos, increases staff efficiency



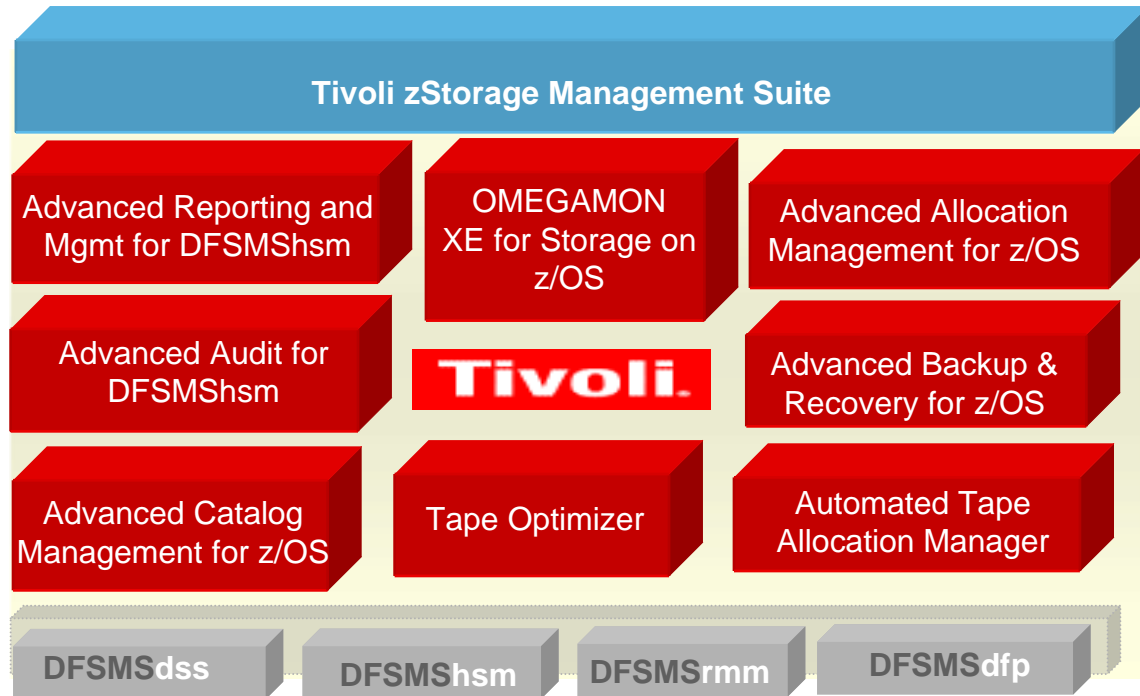
Increase Productivity, Reduce Costs & Foster Synergy

Tivoli zStorage Integration - Unmatched Capability

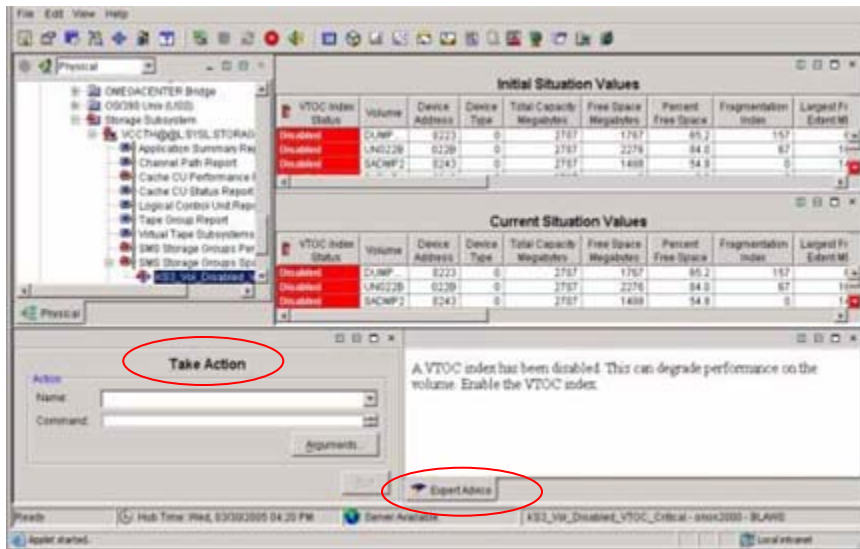


Differentiators

- Seamless Integration with other IBM/Tivoli management and automation offerings
- Best in class HSM reporting, audit & error correction
- Enhanced Allocation Management provides more preventive/corrective function
- IBM exclusive capability for fast replication in Backup & Recovery management



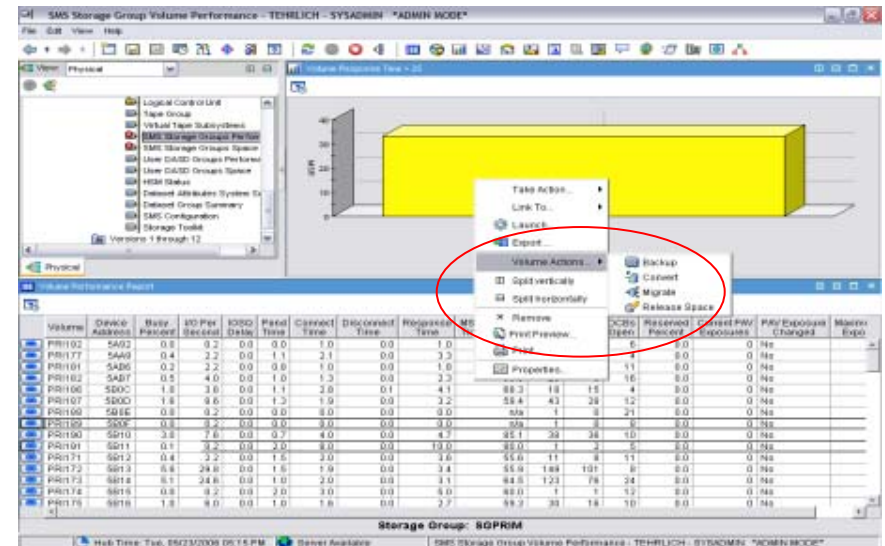
Focus Visibility and Control to key areas – Maximize efficiency



- Manage by exception
 - Monitor key applications and limit visible information to what is needed
- Quickly see situations “fire” on alerts
 - Compare current status to initial condition
- Pre-program actions to respond automatically

“Reduce time in manual tasks, e.g. reading reports, physically monitoring environment”

- Issue commands for HSM, DSS, IDCAMs, ICKDSF, RMM and JCL
- Use Tools to generate automated or manual batch job responses



Effective Problem Identification reduces cost

Situations: What are they?

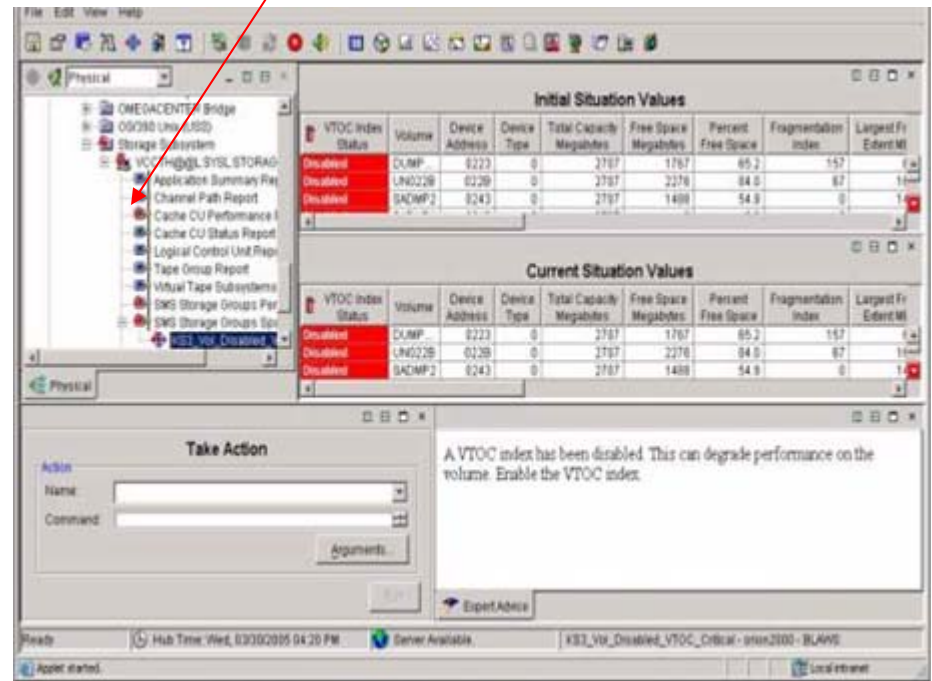
Intelligent alert that can utilize and/or logic to *monitor* a condition or set of conditions

- Notify to indicate potential problem with identified workload and/or resource

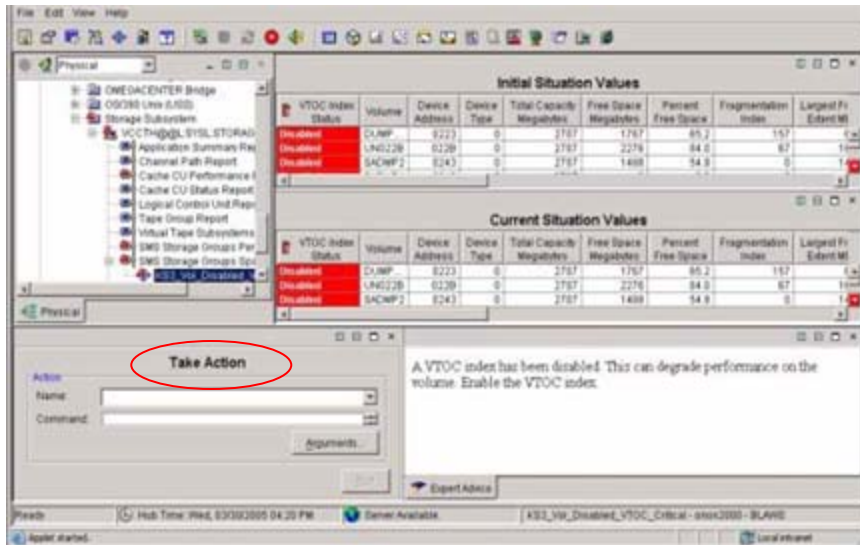
Situation “fires” and you quickly navigate to what triggered alert

Situations: Why use them?

- Proactively detect and resolve problems before users report impact.
- Minimize time determining root cause
- Create alerts based on multiple conditions ranging from simple to complex
- Customize for specific conditions and environment
- Automate problem resolution using Take Action (reflex automation)



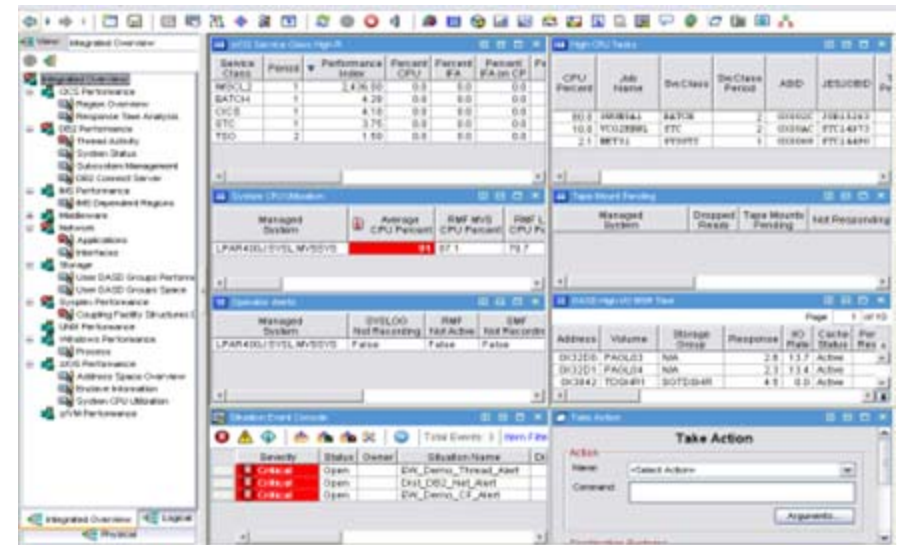
Fostering teamwork and efficiency – Break down silos



- Quickly identify the problem, exploit Expert Advice, and Take action to reduce meantime-to-resolution
- Exploit common tools and processes for collaborate on problem management
- Intelligent tooling and knowledge reduces 24x7 reliance on experienced “gurus”

Integration::

- Increases ability to identify and address problems
- Fosters greater communication
- Prevents issues from impacting service levels
- Reduces down time and business impact from issues

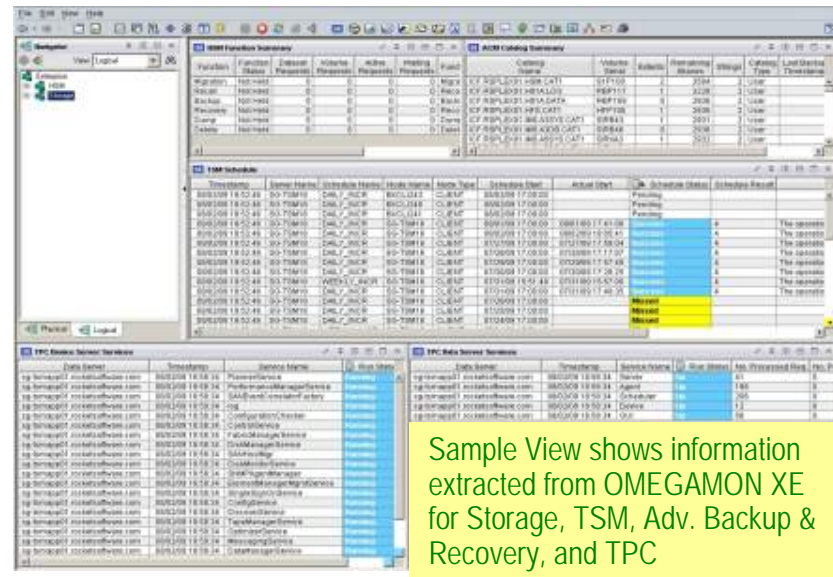


Enterprise wide Storage – z/OS and Distributed storage for End-To-End management

Create views of storage information spanning System z, Distributed and Cloud with integration across enterprise wide management functionality

Increasingly, storage administrators are being tasked with managing enterprise storage

- Examples:
 - Monitor cross platform backups
 - Monitor storage configuration
 - Monitor performance
 - Identify bottlenecks
 - Monitor Storage space availability



Sample View shows information extracted from OMEGAMON XE for Storage, TSM, Adv. Backup & Recovery, and TPC

Tivoli System z Storage Updates Continuing Drum Beat in 2012



Delivered in 2011:

- Advanced Allocation Mgmt V3.2 (GA – Oct 21st):
 - New ease of use and flexibility enhancements with additional filtering capability
- Advanced Audit for DFSMSHsm V2.4 (GA – Oct 28th):
 - Enhanced reporting on estimated HSM errors & costs
 - Rebuild HSM managed tape data to recover from error
 - New HSM auditing reports
- OMEGAMON XE for Storage on z/OS (GA – Nov. 14th)
 - New Actioning capabilities
 - Expanded hardware support



New in 2012

- IBM Tivoli Advanced Storage Management Suite for z/OS V1.1 (GA – Feb. 17th)

Continue enhancements based on customer driven input!

IBM Storage Management Software Future Outlook

Our focus moving forward

- Continue focus on enterprise level storage management integration
- Continue addressing customer enhancement requests
- Increase integration with IBM z/OS Storage components
- Improve Time-To-Value
- Improve Total Cost-of-Ownership
- Improve hardware/software resource utilization
- Improve IT management personnel efficiency



Learn More:

**10972: Getting your hands around z/OS Storage management,
Top 10 common problems and how to address them**

- Thursday, March 15, 2012: 4:30 PM-5:30 PM
- International Ballroom B (Omni Hotel CNN Center)



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