



## TotalStorage Productivity Center: Description and Demonstration

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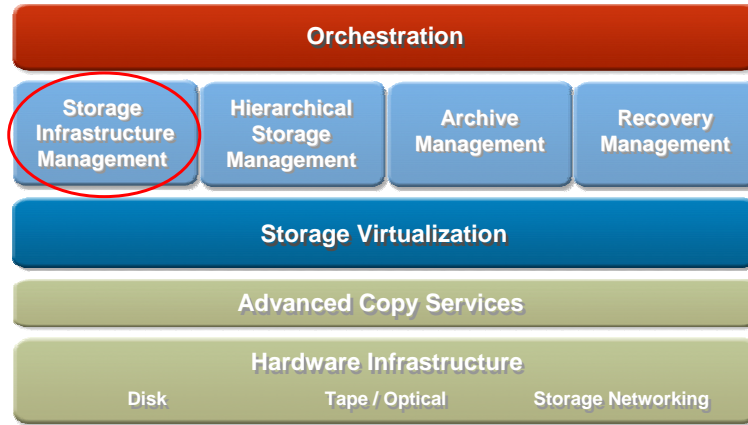


## Agenda

- **IBM TotalStorage Productivity Center Introduction**
- **Architecture**
- **Environment**
- **Application (Demonstration)**
- **Summary**
- **Question & Answer**

## IBM TotalStorage

toward an On Demand storage environment



## IBM TotalStorage Productivity Center Introduction

- **IBM TotalStorage Productivity Center**
  - TPC is IBM's Storage Management "umbrella"
  - Access to tools from a "single pane of glass"
    - Manage
    - Control
    - Monitor
- **Automated response to storage situations**
  - Automation supplements (does not replace) manual operation
- **Storage Management categories**
  - Manage File System and Database Utilization *Productivity Center for Data*
  - Manage Disk Performance *Productivity Center for Disk*
  - Manage Replication *Productivity Center for Replication*
  - Manage Storage Network Fabric *Productivity Center for Fabric*
  - Automate Provisioning *IBM Tivoli Intelligent Orchestrator*
  - Manage Data Availability *IBM Tivoli Storage Manager*

## Architecture

- **Productivity Center for Data**
  - IBM Tivoli Storage Resource Manager
- **Productivity Center for Disk**
  - Multiple Device Manager / Performance Manager
- **Productivity Center for Replication**
  - Multiple Device Manager / Replication Manager
- **Productivity Center for Fabric**
  - IBM Tivoli Storage Area Network Manager
- **Provisioning**
  - IBM Tivoli Intelligent Orchestrator

## Environment

- **Requires Intel platforms to execute**
- **Pure FB or Mixed FB and CKD storage**
  - Use z/OS tools for zSeries storage
  - Use TotalStorage Productivity Center for:
    - SAN management (Productivity Center for Fabric)
    - Volume creation (Productivity Center for Disk)
    - Performance analysis (Productivity Center for Disk)
    - All functions in mixed environment apply to non-zSeries hosts, storage elements
    - Other functions not yet supported in pure zSeries environment

## Environment, *continued*

- **Components communicate via TCP/IP**
  - With each other, and with storage devices
  - Secure communications via standard protocols
- **SMI-S compliant architecture**
  - Storage devices have CIM services or agents
  - Service Location Protocol used to ID “players”
  - Storage elements modeled as managed objects
- **Extensive use of proven middleware**
  - IBM Director, DB2 UDB, Websphere

## Application

- **Demonstration**

## Summary

- **IBM TotalStorage Productivity Center**
  - Storage Management tools “under one roof”
  - Centrally manage the storage environment
    - Identify, monitor, evaluate and predict capacity utilization
    - Automatic provisioning of storage via workflows
    - In conjunction with Virtualized Storage, changes can happen without interruption of critical applications

## Questions?