#### What's New in HP-UX, Linux, and Disaster-Tolerant Clustering Solutions?

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- Overview
- hp's ha strategy
- MC/ServiceGuard Review
- What's New with HP's HA Clustering Solutions
- What's new in MC/ServiceGuard for HP-UX
- What's new in MC/ServiceGuard for Linux
- What's new in ServiceGuard OPS Edition
- What's new with Disaster Tolerant Solutions
- For More Details...

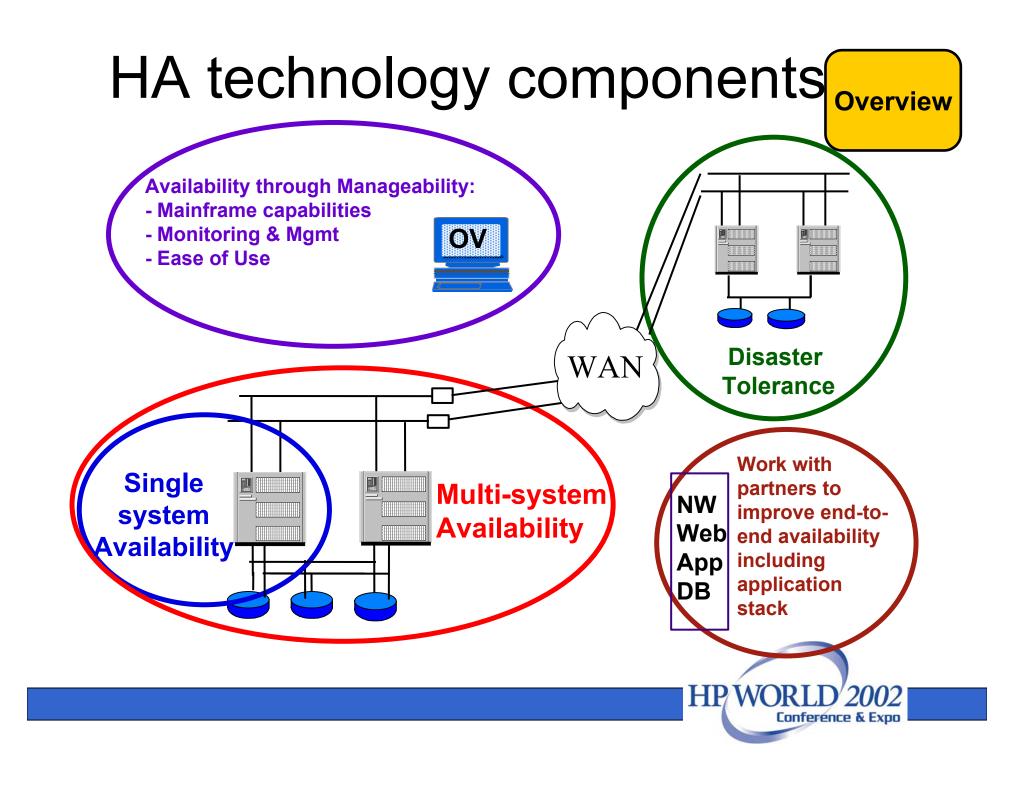




#### Overview

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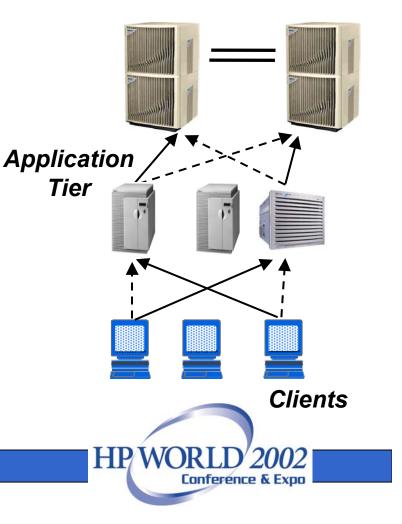


#### Improved customer service with mc/serviceguard

Overview

Features

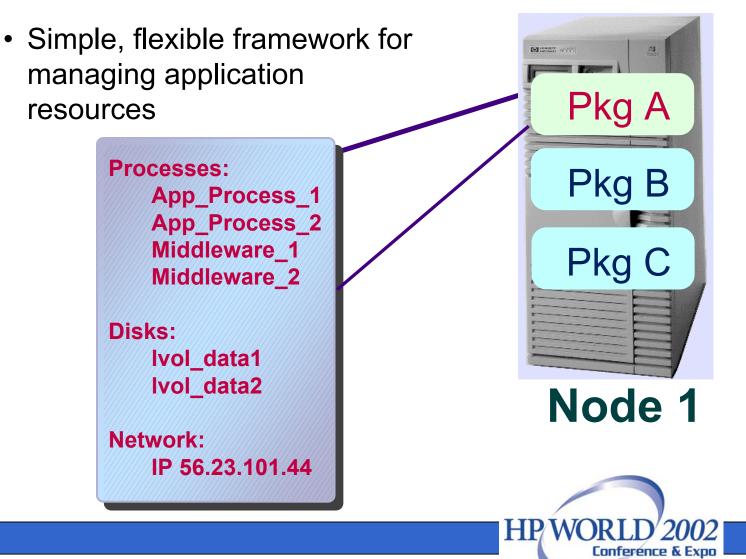
- Multi OS
- One-stop GUI
- Rolling upgrade
- Tape sharing
- 16 nodes
- No idle system
- Online reconfiguration
- Automatic Failback
- Rotating standby
- Closely integrated with OS



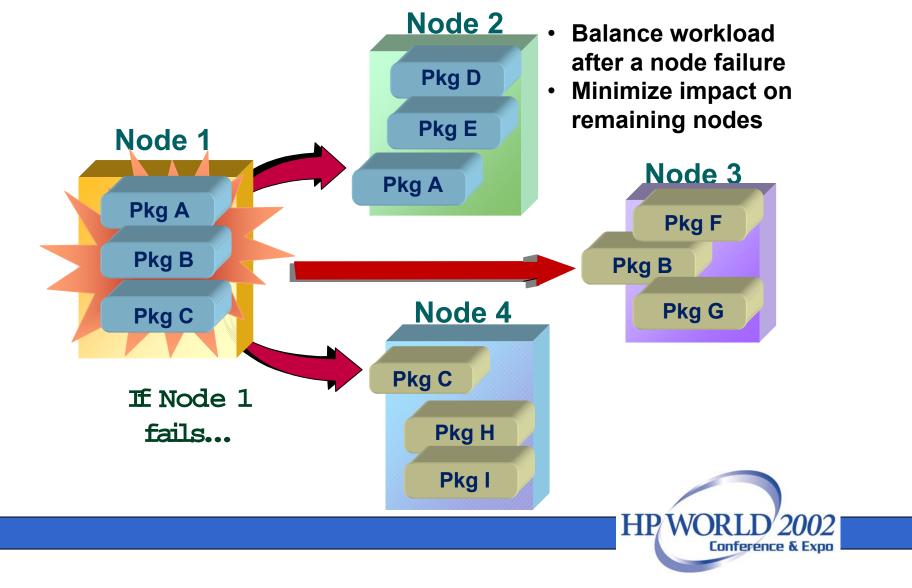
**Database Tier** 

#### hp mc/serviceguard: application packages



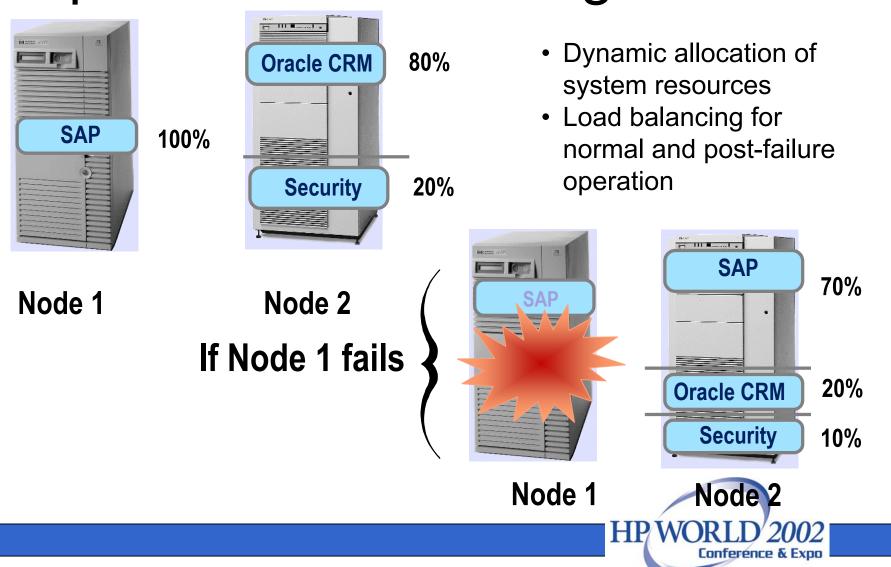


### hp mc/serviceguard and built-



### PRM with mc/serviceguard: superior load balancing





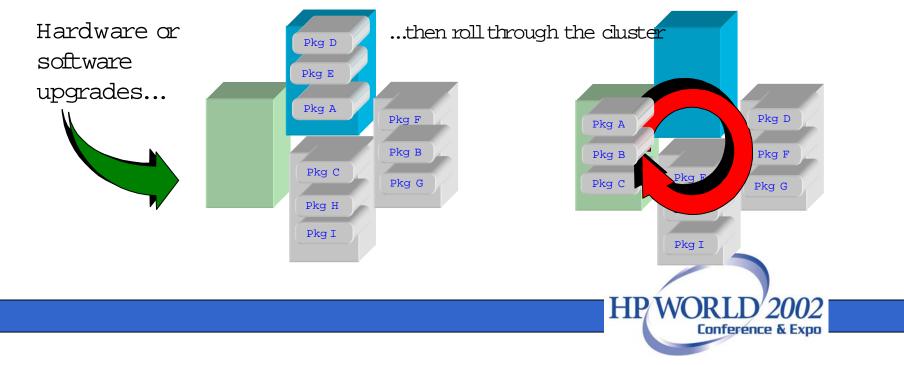
#### mc/serviceguard: rolling upgrade



- Rolling upgrade: minimize planned downtime
- Maximize application uptime
- Cluster remains up

Backward compatibility:

- Operating system
- MC/ServiceGuard



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# What's new in MC/ServiceGuard for HP-UX

- Some of the recent enhancements to MC/ServiceGuard for HP-UX:
  - Quorum server
  - Performance improvements in large system environments for package startup and shutdown
  - IPv6 phase 1 (dual IPv4/IPv6 kernel)
  - VERITAS 3.2 (VxVM and CVM)
  - Support for 150 packages in a cluster
  - VLAN support
  - Extended distance clusters up to 100 km using DWDM
  - vPar and SuperDome support
  - ServiceGuard Manager cluster administration, SNMP dynamic event notification and support for Windows XP
  - ECMT enhancements: Oracle 9i and Informix 9.21
  - Support of IPF (Itanium Processor Family) systems (HP-UX 11i version 1.6)
  - And more...



# What's new in MC/ServiceGuard for Linux



- Some of the recent enhancements to MC/ServiceGuard for Linux:
  - 8 node fibrechannel clusters,
  - Support for new XP arrays, VA and SCSI storage,
  - Support additional NetServers,
  - AutoPath support,
  - Disaster Tolerant Cluster Solutions integrating MC/SG for Linux and Cluster Extension XP software (CLX) for the HP StorageWorks XP Disk Arrays
  - And more...



### What's new in ServiceGuard OPS Edition

What's New

HP/WOR1

Conference & Expo

- Some of the recent enhancements to ServiceGuard OPS Edition:
  - Support 9i RAC (new name for Oracle OPS)
  - Online add/delete nodes using CVM/11i
  - 16 nodes support with LVM
  - VERITAS VxVM and CVM (max 4 nodes) Support
  - 127 OPS instances per cluster
  - Quorum server
  - Performance improvements in large system environments for package startup and shutdown
  - IPv6 phase 1 (dual IPv4/IPv6 kernel)
  - VERITAS 3.2 (VxVM and CVM)
  - Support for 150 packages in a cluster
  - VLAN support
  - Support of IPF systems (HP-UX 11i version 1.6)
  - Support for Oracle RAC 8.1.7, 9.1 and IA RAC 9.2
  - Name change on IA: ServiceGuard Extension for RAC (SGeRAC)

- And more...

# What's new with Disaster Tolerant Solutions

- Some of the recent enhancements to MetroCluster and ContinentalClusters:
  - MetroCluster
    - Support for Quorum Server
    - Support for XP128/1024 arrays
    - MetroCluster support up to 100 km using DWDM
    - vPar and SuperDome Support
  - ContinentalClusters
    - Support for Quorum Server
    - Support DWDM configurations
    - Support synchronous CA over IP
    - Support EMC MxN configurations
    - vPar and SuperDome Support
  - And more...



What's New

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#### For more Details

- For the complete slide set with additional details on each enhancement, please attend the live presentation at HP World 2002.
- You can also request the complete slide set following HP World 2002 by sending and email request to: John\_Foxcroft@hp.com

