





Welch's Manages Complexity from Grower to Table

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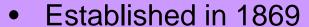
Family Farmers owned Cooperative



HQ: Concord, MA

Westfield, NY

Lawton, MI





- Based out of Concord, Massachusetts
- Processes approximately 320,000 tons of Concord and Niagara grapes
- Leader in Juices, Jams & Jellies









HQ





Sales Offices



Welch's Worldwide Presence





Welch's IT Mission

 Empower Business with Information

Unsaid objective

Deliver greater value to hard working family farmers for every dollar spent.



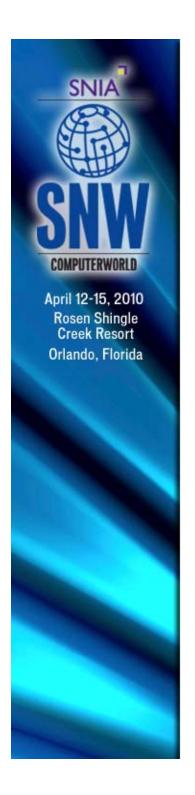
Journey Starts – 2004

- Welch's embarks on its biggest project to date – ERP Implementation
- Goal
 - Enable business by implementing fully integrated system, 31 modules with manufacturing lines connected to Central Data Center (Concord, MA)
- 7x24 uptime requirements



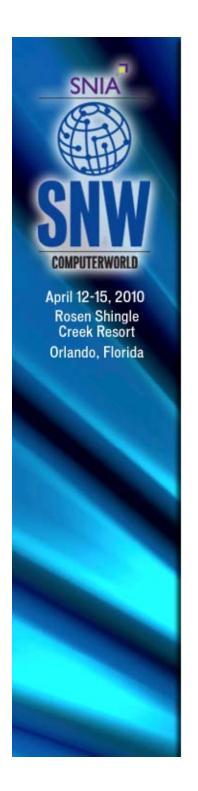
Consistency is our hallmark





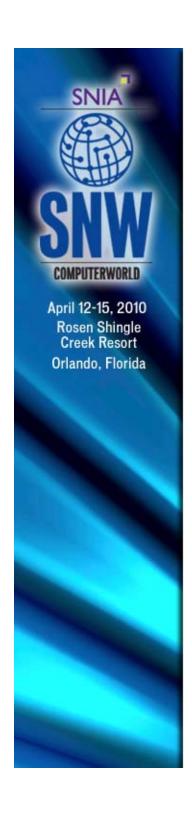
Challenges

- Be more responsive to Customer needs
- Adopt an efficient, scalable & flexible server & storage platform.
- Enable the organization to meet rapidly growing and changing infrastructure requirements.
- All this with a modest budget and limited manpower – Lean IT

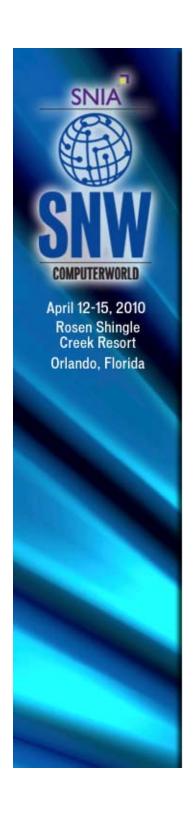


Opportunity

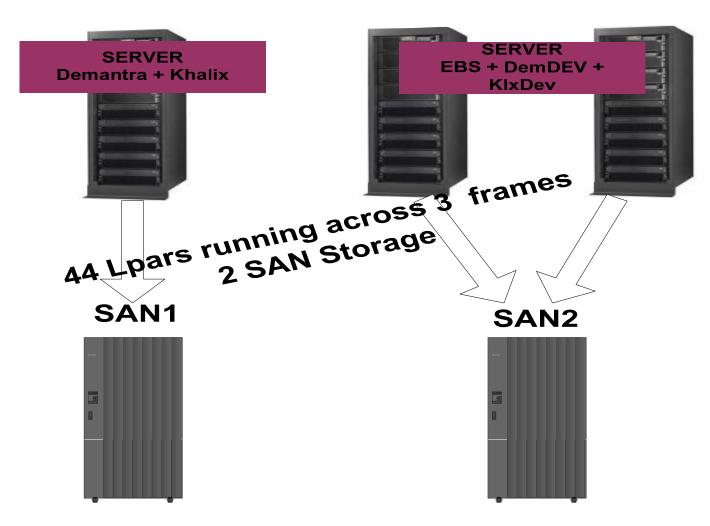
- Challenge brings Opportunity Mantra to be successful
- Embrace Technology and take Intelligent Risks
 - Early adopters of Virtualization
 - Would have outgrown DC
- Invest in strategic outsourcing / partnership
 - A process oriented Team work approach
- Deliver State of the Art Data Center with high ROI



Solution - Implement end to end virtualized scalable & stable architecture



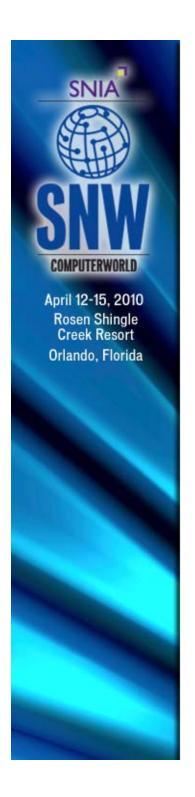
2006 – Migrated over 30 standalone servers





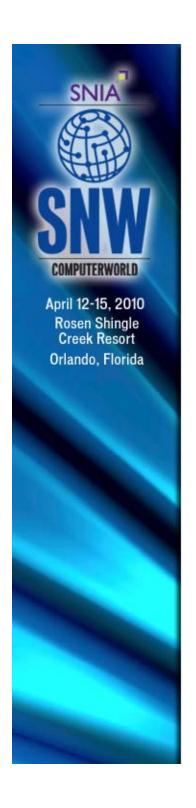
A successful ERP implementation

- Ability to grow vertically Virtualization
 - No more under sizing or over sizing
- Reduced Data Center footprint
- State of the Art Highly Available systems
 - ERP implemented on Clustered servers
 - Improved ROI
 - Within reach operating cost
 - Simple but Nimble
 - Ability to focus on value added activities

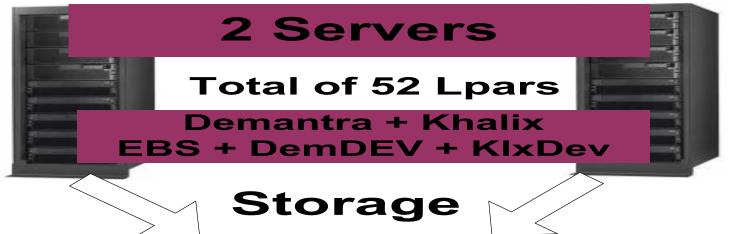


2009 – Economy vs. Business

- Business requirements growing but Budget Shrinking
 - Storage growing 40% per year
 - Rapid implementation of new ERP modules
 - Need to lower RTO & RPO
 - Unsaid requirement
 - Reduce system Maintenance downtime
 - Reduce Complexity
 - Save Money : Do more with Less



2009 – Further consolidation & Acquire smart storage solution

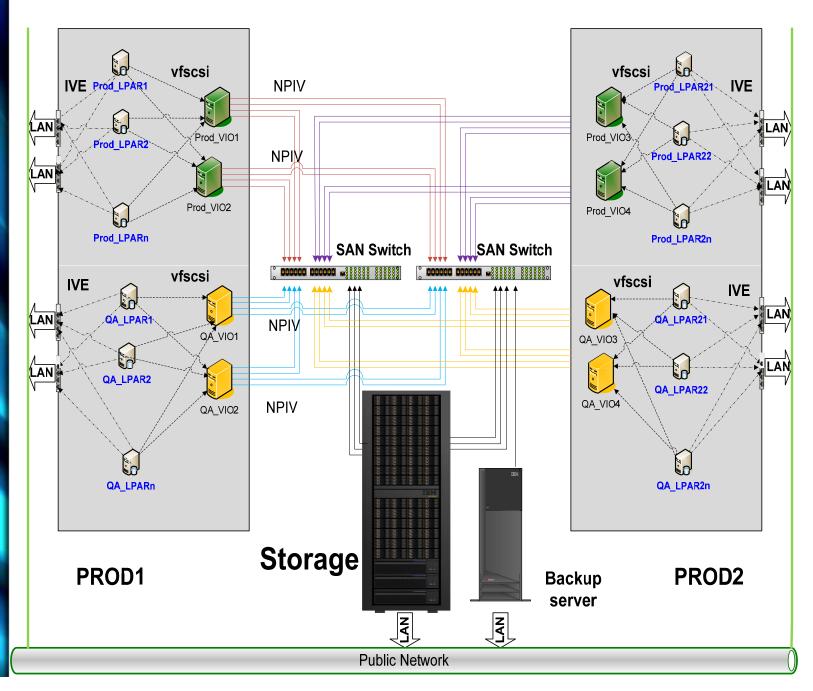




Virtualized Lan Connections – IVE
 Virtualized San Connections – NPIV
 Virtualized Hardware – VIO servers

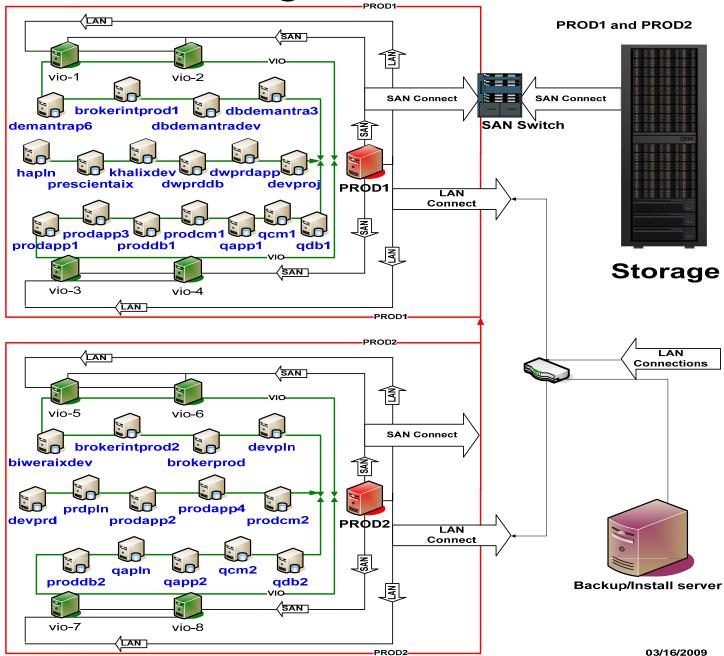
SNIA Computerworld April 12-15, 2010 Rosen Shingle Creek Resort Orlando, Florida

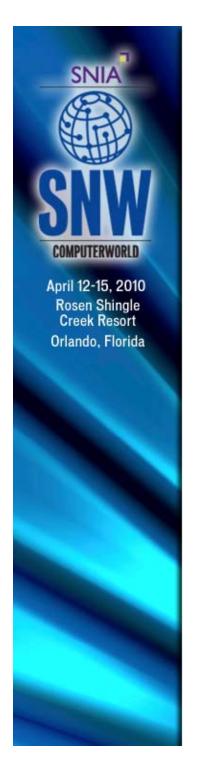
Consolidated Environment



SNIA COMPUTERWORLD April 12-15, 2010 Rosen Shingle Creek Resort Orlando, Florida

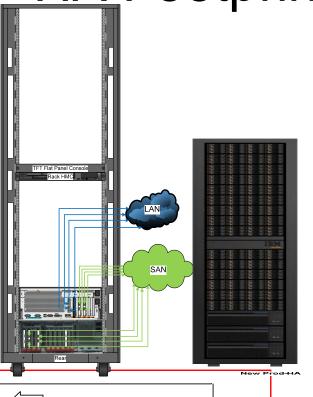
Logical View



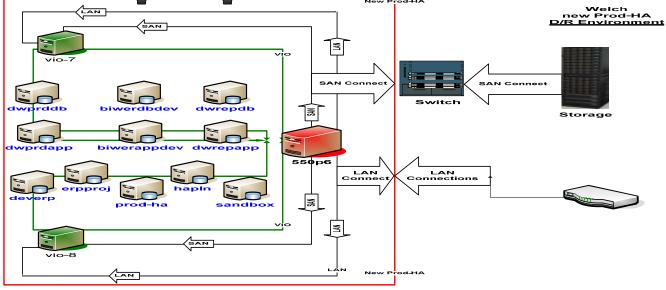


HA Footprint

Small Footprint and Investment Big Risk mitigation



13 Lpars
running on a
small 4 Way box
Non-critical
(Dev) + Critical
(PROD)



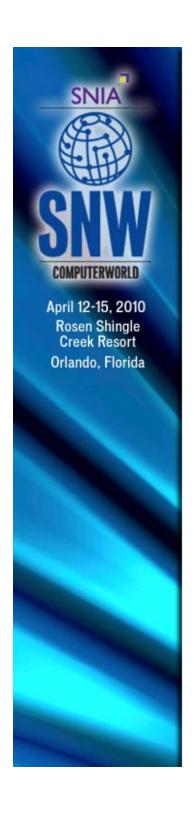
12/03/2009



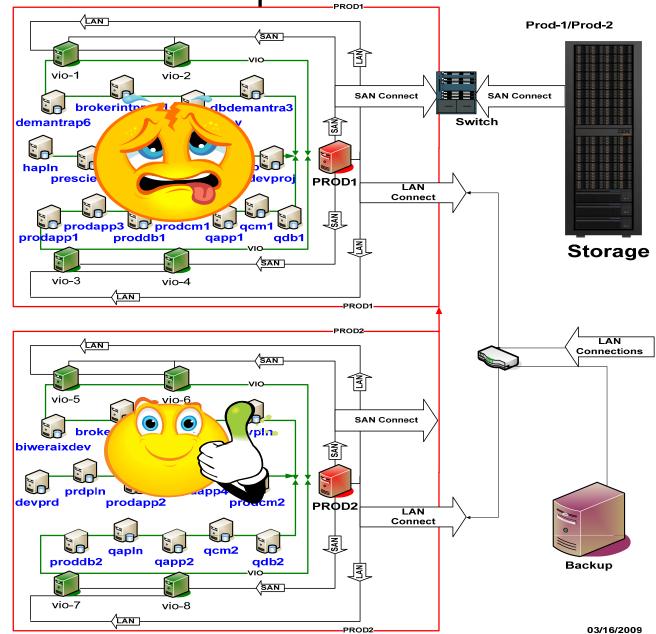
Business Benefits

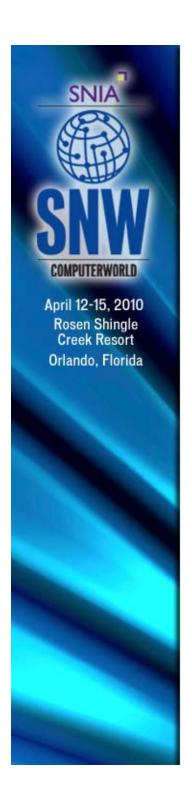
Quick systems provisioning

- Remove bottleneck of mundane steps
 - No more Layout talks for every system
 - No need to redo physical DC planning work
 - Do it once and reuse it over & over
- Operational excellence The right approach
 - Plan Plan Plan
 - Document Document
 - Walkthrough's
 - Test Test Test
 - Make it a GO
- World class Highly Available systems
 - Averted near Disaster



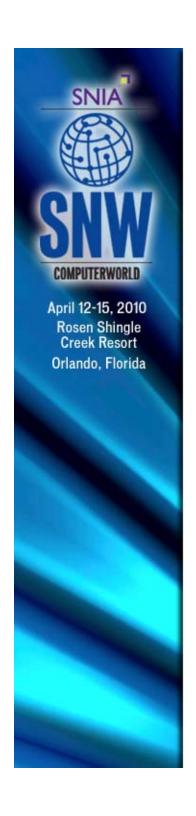
One Production Server washed out – No hick up for Business



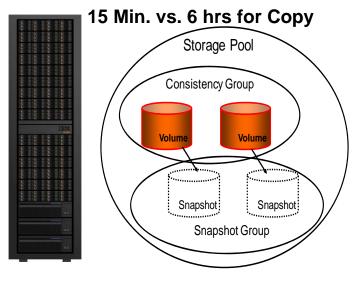


Smart Storage Solution

- Virtualized Storage layer Met/Exceed business needs
 - Single Tier storage : Tiered storage challenges solved
 - Contain Growth
 - Utilize features of Snapshot and Thin provisioning to reduce Storage footprint.
 - Scalable Grid system to grow as needed
 - Rapid Implementation of new Modules
 - Storage provisioning reduced from days to minutes
 - Utilize Snapshots & Volume copy to create new systems
 - Lower RTO & RPO
 - Utilize Snapshot process to create quick system backups
 - Utilize SAN to SAN Replication to achieve near CDP.
 - Reduce system maintenance downtime
 - Backups in seconds Snapshots allow quick system backup & recovery
 - Snapshots allow for value added tasks during managed downtime

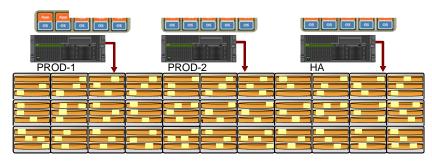


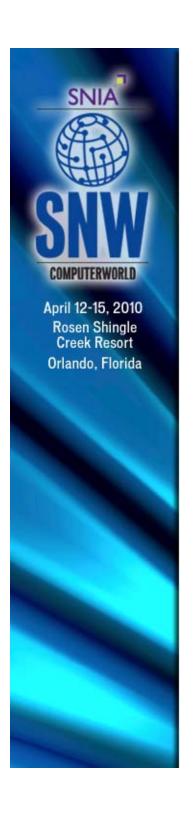
Do More with Less



- Reduced complexity
 - –Process oriented approach
 - -Scripts interface
 - -Simple Management interface
 - Storage performance monitoring – no more back end/guess work.
- Optimized access from any protocol
 - RAW F/S
 - -Parallel F/S
 - -Standalone F/S
 - -SAN bootable Lpars

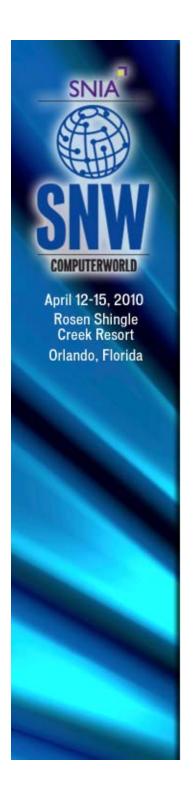
Servers & Storage





Holistic approach – End Result

- Transformed Architecture enables next generation systems
 - End to End virtualization puts Welch's in driving seat
- Smart storage solution enables Innovative architecture
- Grid storage architecture improves I/O performance
- Gain in overall system performance by 60%
 - Deliver Good Morning reports in Morning
- People & Process oriented approach makes it happen
- A solid foundation for new Business environment With in Reach



Lessons Learned

- Look at the bigger picture
- Don't shy away from Innovation
- Strategic POC Approach
 - Clear concise success criteria
- Invest in Strategic partnerships
- Process oriented approach
 - Plan, Document, Walkthrough, Execute.
- Learn from missteps do not repeat them



A Big Thank you!!

- Welch's IT Team
- Welch's extended team
 - The ATS Group
 - Essex Technology group
 - Oracle DBA Team
- Our Partners
 - IBM
 - Oracle



Thank you!

Q & A