

Unified Data Protection at Allianz

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Allianz 

The latest in data protection: *Tivoli Storage Manager*

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Agenda

- 1** About Allianz ANZ
- 2** Environment challenges
- 3** Implementation
- 4** Benefits
- 5** Future plans and challenges
- 6** Tivoli Storage Manager – the latest in data protection technology

Allianz ANZ - Fast Facts

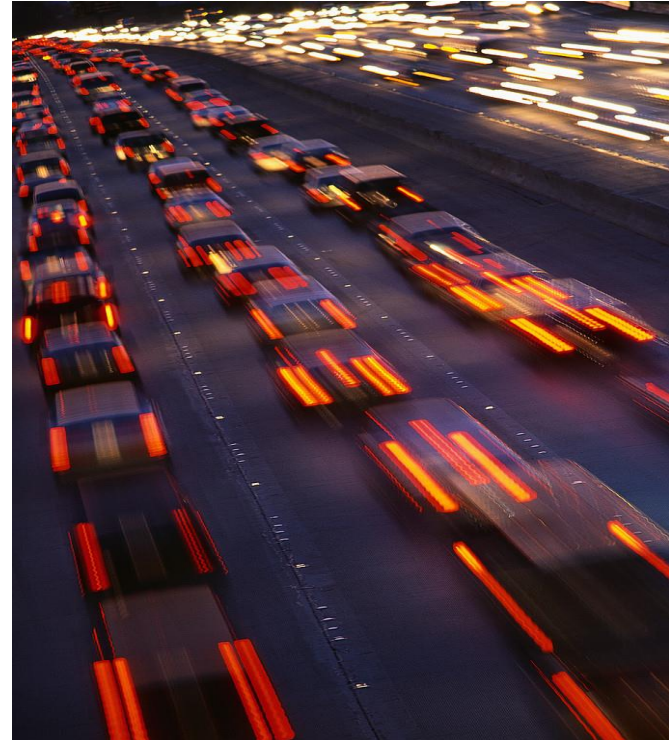
- One of Australia's largest general insurers (No.4)
- Over two million policy holders
- Personal, life, CTP, commercial and workers' compensation insurance
- Employs over 3,800 employees
- Large General Insurance Company of the Year 2013*

**Australian and New Zealand Institute of Insurance and Finance (ANZIIF) Australian Insurance Industry Awards. Also won in 2012, 2011 and 2009).*



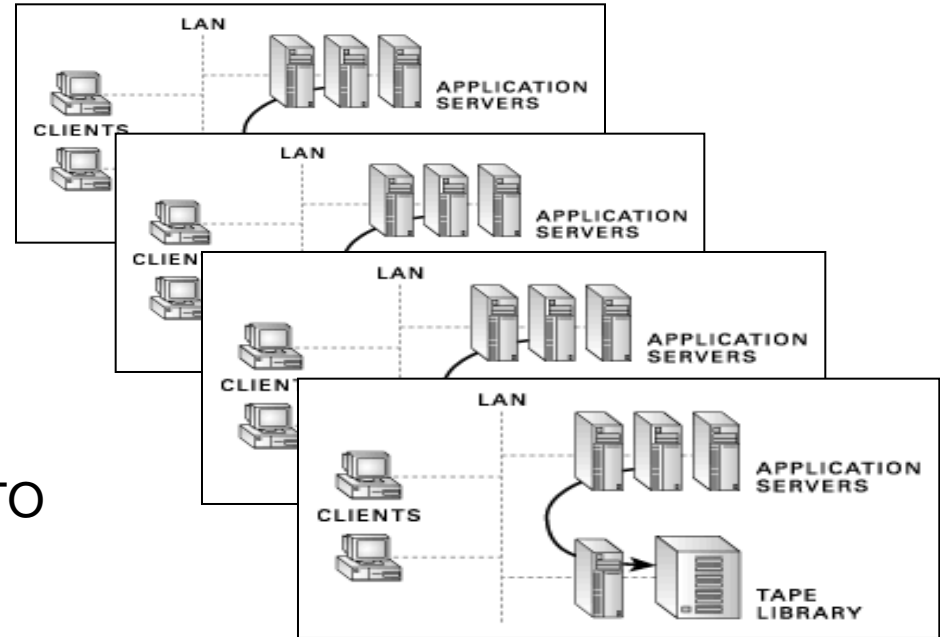
Environment challenges

- Increased data volumes
- Complexity
- Rising costs
- Magnetic media reliance
- Increased application availability
- Congestion



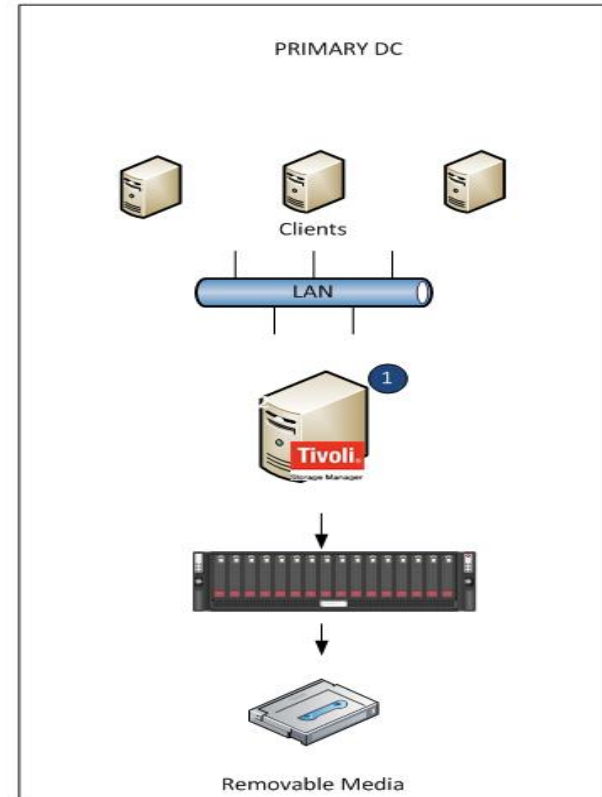
Environment challenges

- Multiple traditional deployments
- Distributed deployment model
- Multiple vendors
- Difficulty in management
- Difficulty in meeting RPO and RTO



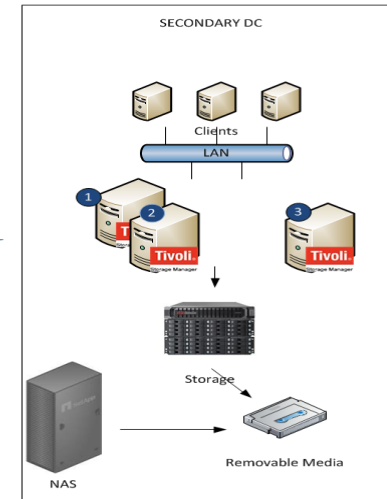
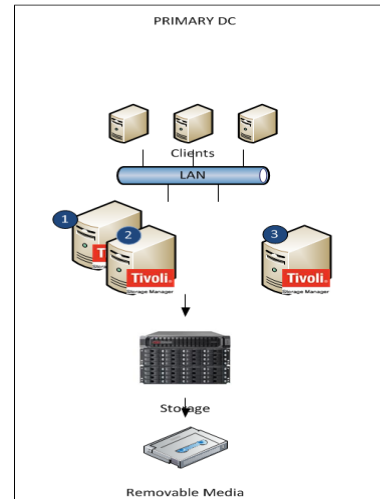
Implementation (first attempt)

- Single stand alone deployment
- De-dupe at storage pool layer
- 200 target clients
- 50TB storage pool
- 500GB nightly incremental
- Lower spec hardware
- Poor I/O disk performance

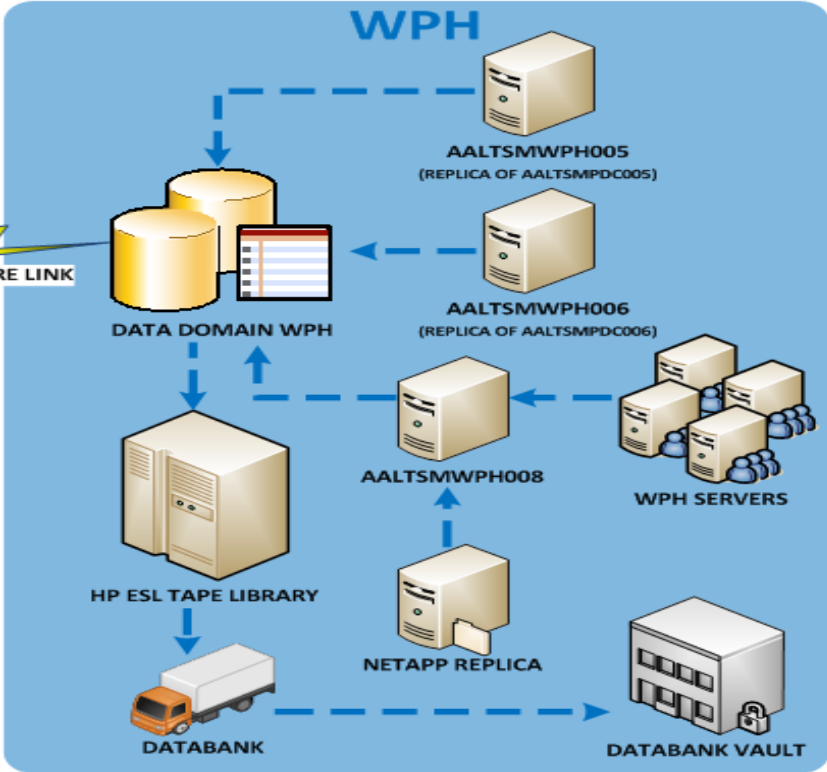
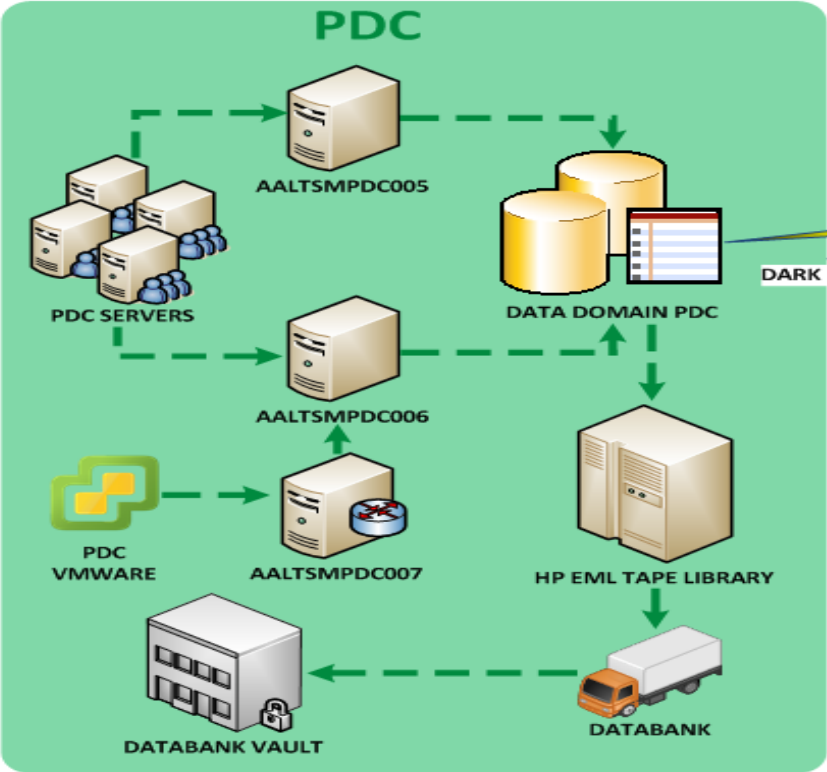


Implementation (that's better!)

- Multiple data centre deployment
- Consolidated storage leveraging in built de-dupe
- 1000 target hosts
- 1PB storage pool
- 8 - 10TB nightly incremental
- NAS NDMP
- TSM for virtual environments
- Facilitates multiple O/S & architectures
- Business continuity



Implementation



TSM for Virtual Environments

- 400 VMware guests
- Requirement for improved RTO
- Agentless backup method
- Change block tracking technology
- TDP allows for individual file restores
- Ease of management and implementation
- LAN free transport method

Benefits



- Ease of administration
- 30 – 40% saving on storage costs
- Tivoli data protection
- RPO and RTO Improved
- Single product
- Stability
- Scalable infrastructure

Future plans and challenges

- Continued growth in data combined with longer retention
- Ever increasing application availability
- Meeting RPO and RTO
- Constant improvements



Summary

- Consolidating onto TSM as the single back-up tool – delivers more efficient, reliable protection of the critical business data
- TSM Unified Recovery Management platform delivers all the capabilities we need now and into the future

Everyone can be more efficient in how they manage their Data



Only 1 in 5

clients have highly efficient IT infrastructures

and most are *overspending* on their storage management budgets

23%

do no capacity planning

85%

have no show back capabilities

70%

do not use storage virtualization

68%

are not using de-duplication

70%

do not use a storage catalog

90%

have little to no process documentation

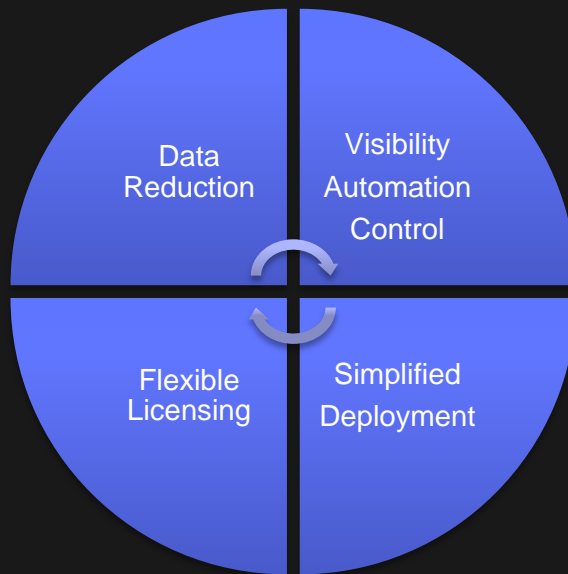
30%

have archive processes

How does IBM deliver Smarter Backup?



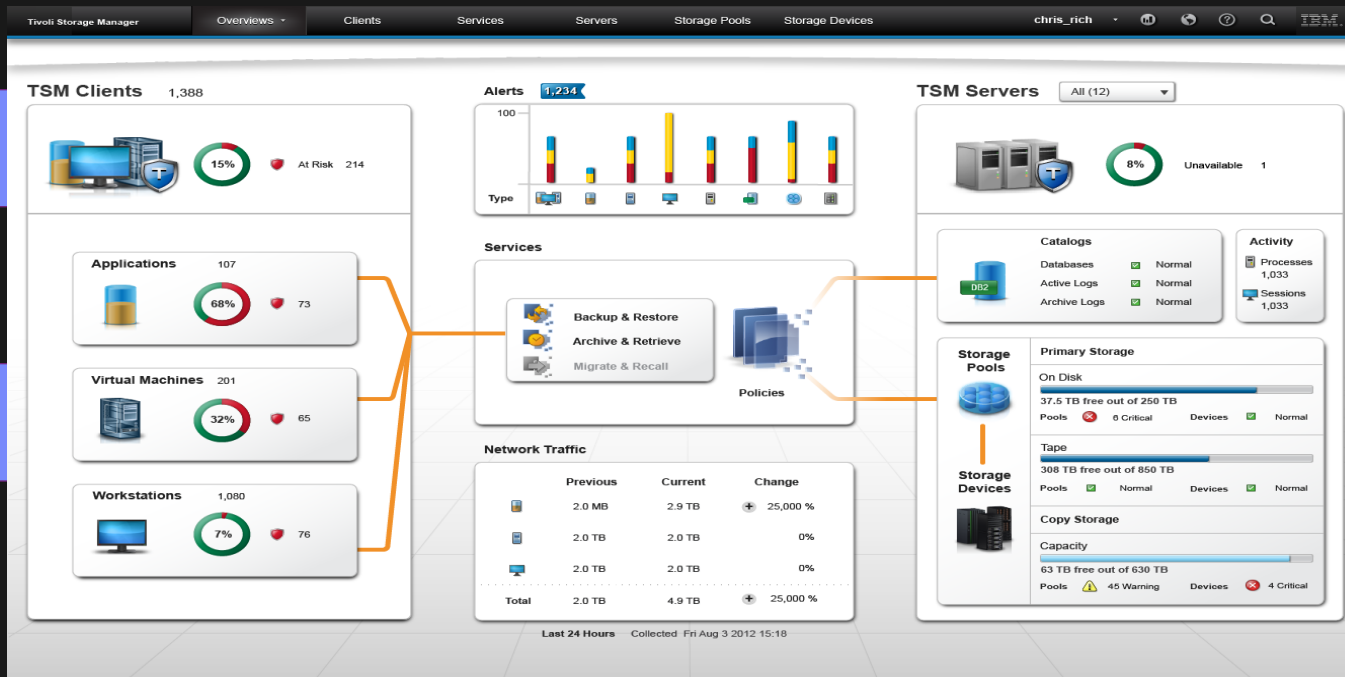
TSM Suite for Unified Recovery



**SmartCloud
Virtual Storage Center**

Efficient reporting with Tivoli Operations Centre

Now, anyone can be a backup expert



Is anything breaking or broken?

Is my data protected?

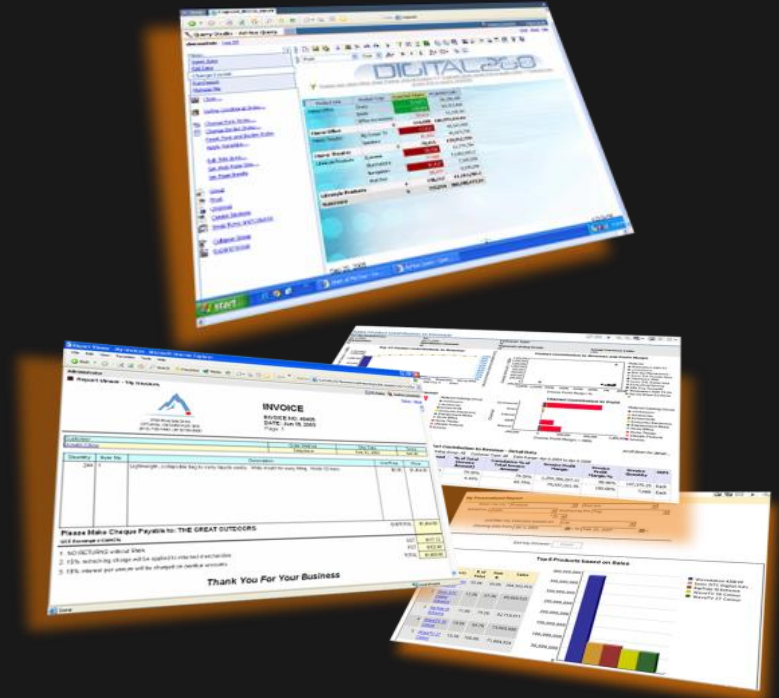
Are my backup servers healthy?

Do I have capacity?

Efficient reporting with out-of-the-box Cognos reports



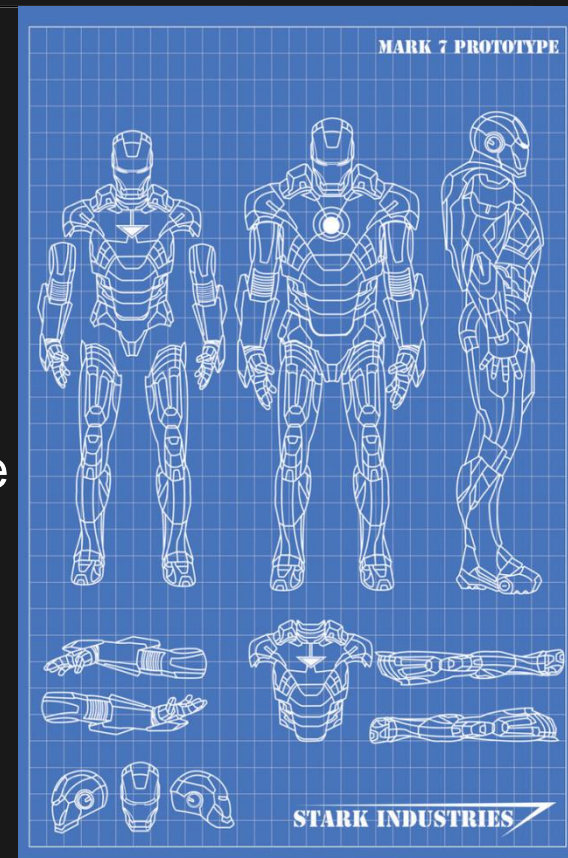
- Quick time to value with out-of-the-box reports
- Makes report creation and customization simple
- Novice users can rapidly create reports with intuitive drag & drop function
- Easy drill up/drill down for both reporting and charting
- Reports can be generated on schedule or on demand in multiple distribution formats (email, etc.)



Integrated IBM Cognos® Business Intelligence reporting suite

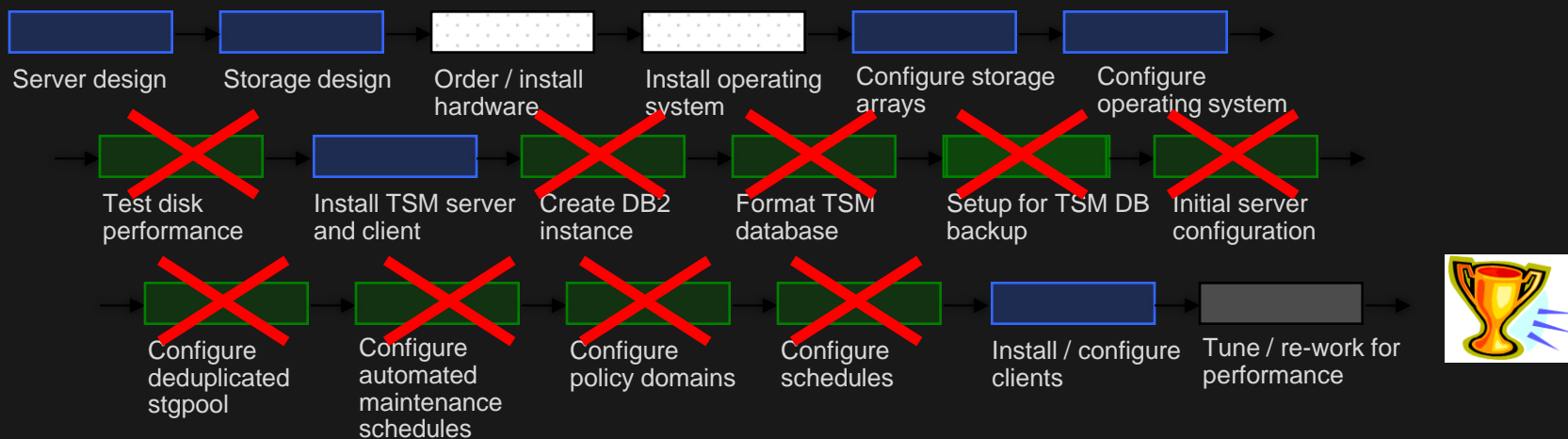
TSM Blueprints and Build Automation

- Prescriptive hardware and build detail
- Scalability for small, medium and large configurations
- Built in guidance for optimal performance on hardware
- Removes risk from configuration phase
- Automation that reduces system installation to 3 hrs



Blueprints can dramatically simplify backup infrastructure deployment

- Automated TSM server deployment reduced from 5 days to 3 hours
- Guidance enables Best Practices, reducing rework and errors

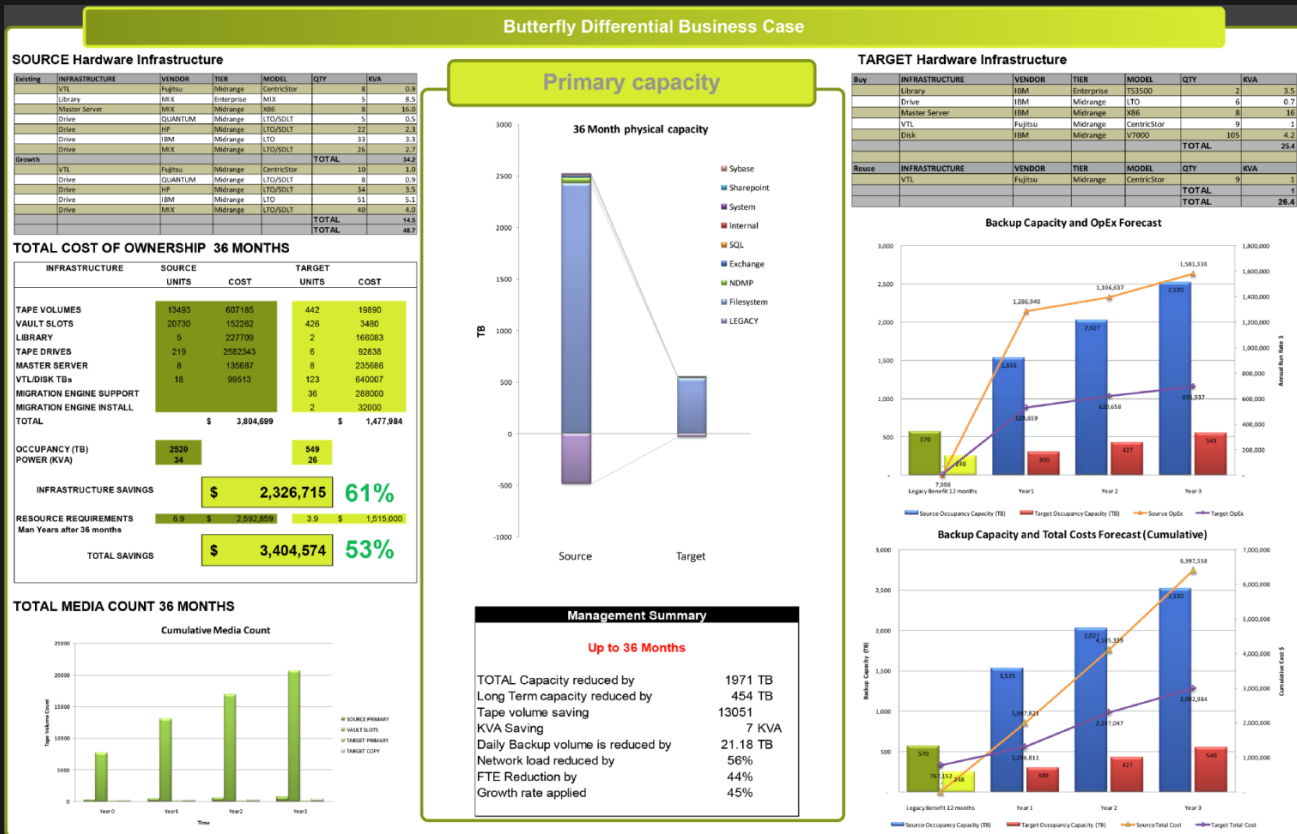


Legend

- Guidance provided by the cookbook
- Automated by the configuration script
- No savings

36 Month Outlook at Today's Infrastructure vs. Making a change

- 13,493 vs 442 Tape vols
- 20,730 vs 426 Slots
- 219 vs 6 Drives
- 61% Infrastructure Savings
- 53% TCO Reduction incl Migration



Where are *your* inefficiencies?

Using Analysis Engine Reports from Butterfly Software, we have shown our customers how an IBM Tivoli Storage Manager solution can save:



51% on average as compared to a *Backup Exec* data protection implementation



45% on average as compared to a *Netbackup* data protection implementation



51% on average as compared to a *Data Protector* data protection implementation



54% on average as compared to a *Commvault* data protection implementation



53% on average as compared to a *Data Protection Manager* data protection implementation



45% on average as compared to a *NetWorker* data protection implementation

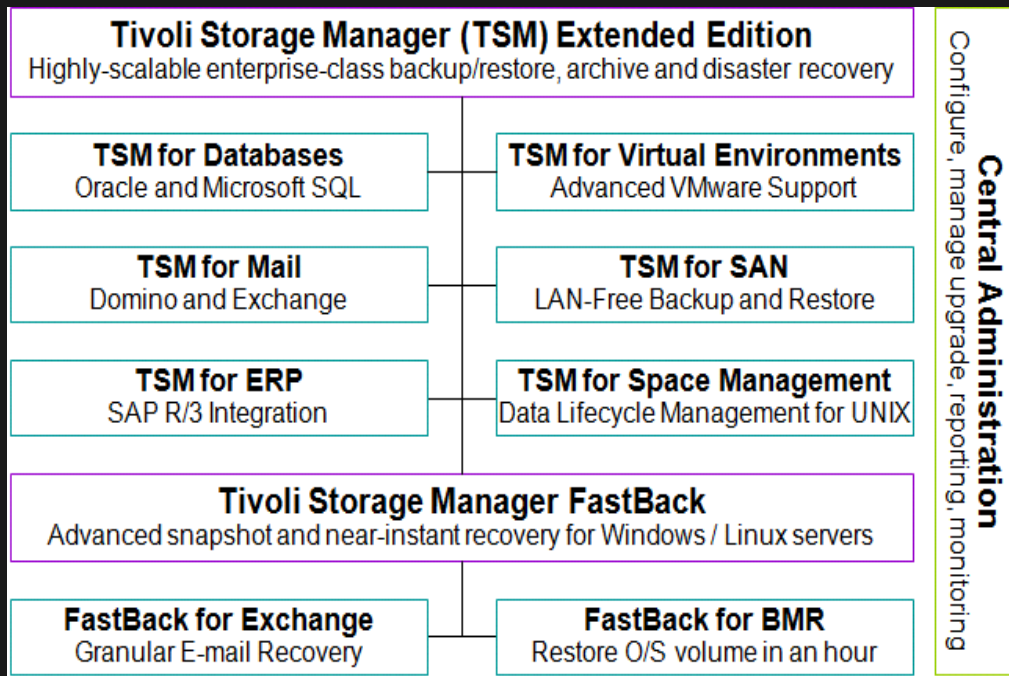


54% on average as compared to an *ArcServe* data protection implementation

*Source: Savings are the average of individual customer Analysis Engine Reports from Butterfly Software, May 2013, n+450. The savings include cumulative 36-month hardware, hardware maintenance, and electrical power savings. Excludes one-time TSM migration cost. All client examples cited or described are presented as illustrations of the manner in which some clients have used IBM products and the results they have achieved. Actual environmental costs and performance characteristics will vary depending on individual client configurations and conditions. Contact IBM to see what we can do for you.

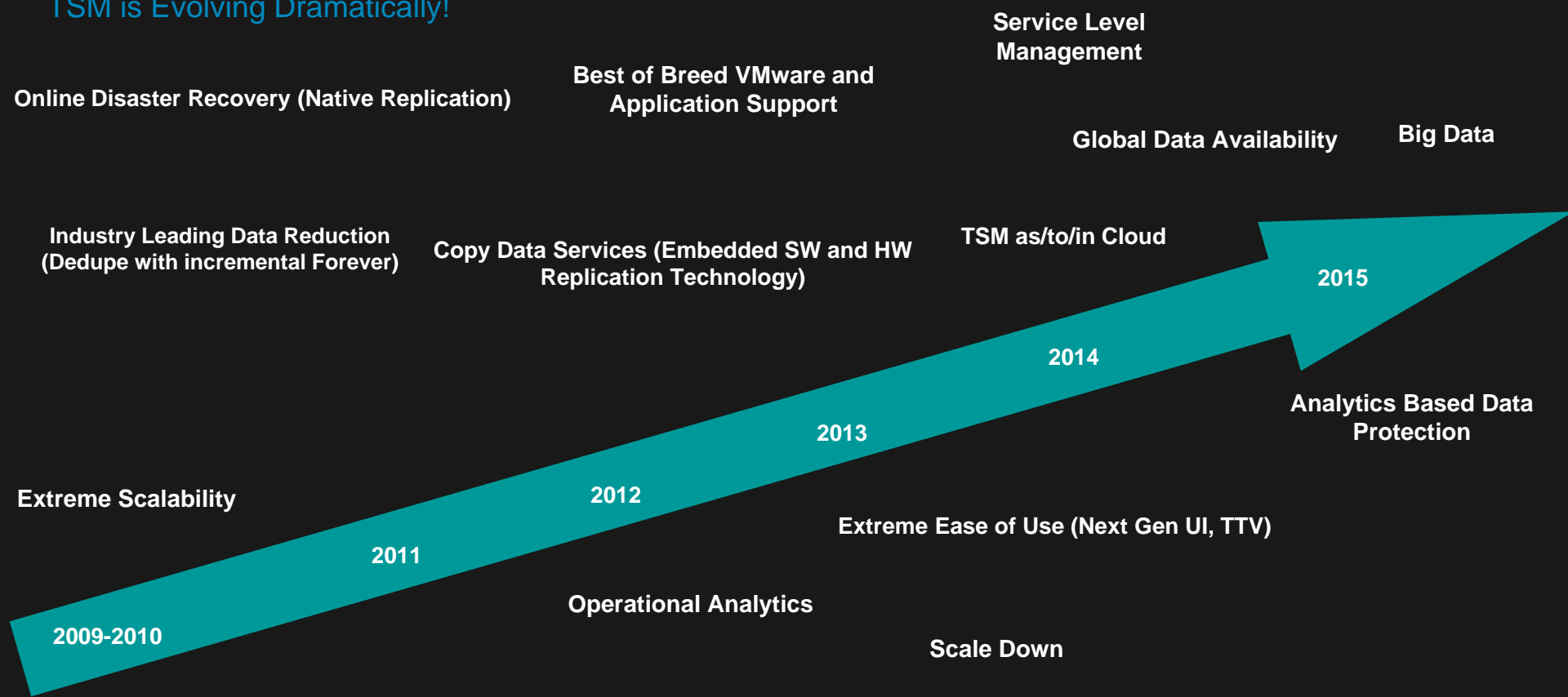
Flexible Licensing Options

- Capacity
- Compute
- Server
- Function aligned or Bundle





TSM is Evolving Dramatically!



TSM is the Most Efficient and Reliable Data Protection Solution in the Industry

TSM 7.1 Highlights

- Operations Center enhancements
 - Simplified Installation
 - Automated Client Fail Over for Recovery of Data
 - Improve Server Scalability for Large Objects
 - Instant Restore of VMware backups

2014 and beyond

- Performance scale-out, and interconnectedness
- Integrated data and risk Analytics, for tangible business value
- Transparent Cloud infrastructure, elastic and easy off-premise capacity, through to DRaaS
- Software Defined Data Centre/ Service orientation
- *What would you like to see, create, participate in?*