



EMC Today




EMC²

Agenda

- Introduction – Stuart Kiernan
- Pivotal – Mark Burnard
- Isilon – Kai Girvan-Brown
- Syncplicity – James Roberts

EMC²: A Unique Federation Of Businesses

Focused and Free to Execute on their Mission, Strategically Aligned

Pivotal	Paul Maritz		PLATFORM FOR CLOUD & BIG / FAST DATA APPLICATIONS
vmware®	Pat Gelsinger		SOFTWARE-DEFINED DATA CENTER HYBRID CLOUD END USER COMPUTING
EMC II	David Goulden		INFORMATION STORAGE & PROTECTION INFORMATION SECURITY INFORMATION INTELLIGENCE

EMC²

Our Evolution

10 Year \$33B Investment In Leading Technology

2003-2012
M&A \$17.0B
R&D \$16.5B

2003
AND BEFORE
ENTERPRISE
STORAGE

2004
vmware®
CLOUD & VIRTUAL
INFRASTRUCTURE

2006
RSA®
TRUST

2009
VCE
CONVERGED
INFRASTRUCTURE

2011
Greenplum
ISILON
SYSTEMS
BIG DATA

2013
PIVOTAL LABS

iO

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Pivotal

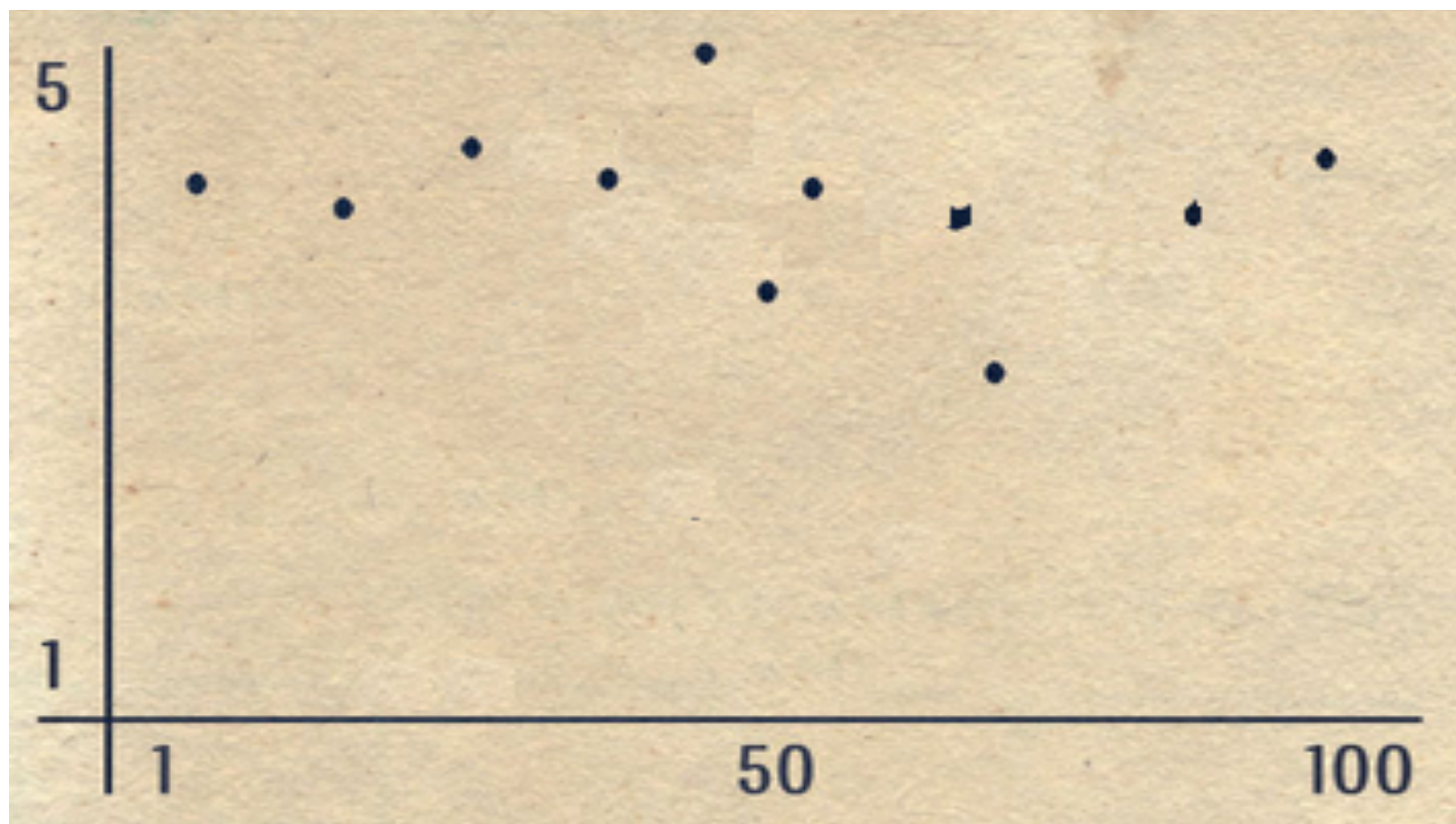
A NEW PLATFORM FOR A NEW ERA

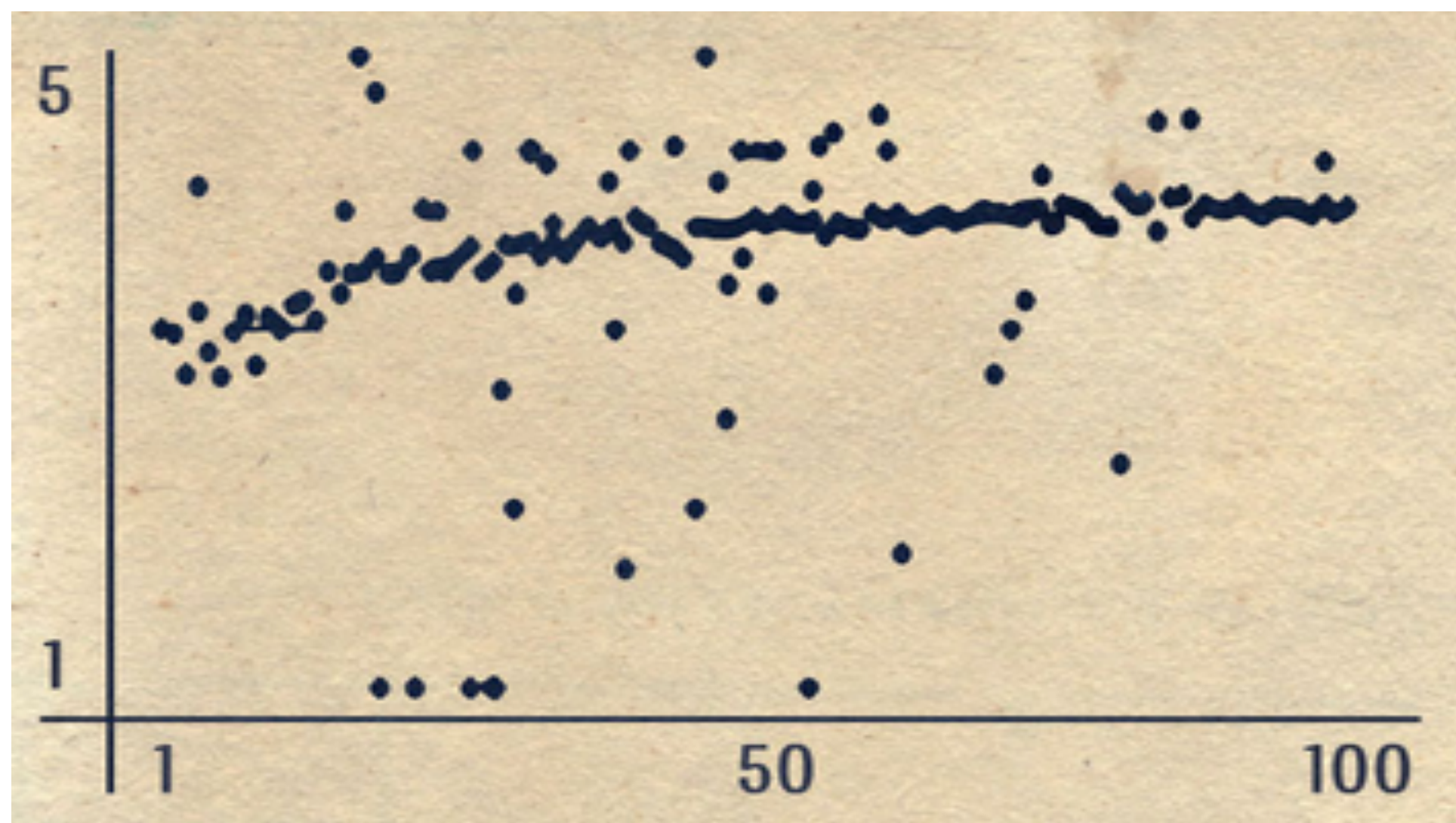
Agenda

- What is “Big Data” and why care?
- Some local examples
- What is Pivotal?
- Future directions
- Q&A



Pivotal





The End of Science

The quest for
knowledge used
to begin with
grand theories.
Now it begins
with massive
amounts of data.
Welcome to the
Petabyte Age.



▼ Tell us about the car

1 Car Details

Year	Please Select...
Make	Please Select...
Model	Please Select Model...

2 Parked At Night

Postcode:	
Street Address:	
<input type="checkbox"/> Unable to find my address	
How is the car parked at night?	Please Select...

3 Use & Finance

How is the car used?	Please Select...
Finance Type	Please Select...

▶ Tell us what cover you are looking for

▶ Tell us about the people who will drive the car

▶ Tell us about your insurance

Sample Telematics Data

Time	Fix Type	Fix Status	Address	Speed	Course	IGN	JID	Battery Le	Charge Le	Coulomb Counter
18:54	JourneyEr	OK	The Ridings; Headington; Oxford OX3 9	0	0	FALSE	60540198	4.0655	0	1
18:53	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:52	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:51	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.042	0	1
18:50	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:49	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:49	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:49	InternalB	InvalidGP	The Ridings; Headington; Oxford OX3 9	0	0	TRUE	60540198	4.0655	0	1
18:48	Schedulec	InvalidGP	The Ridings; Headington; Oxford OX3 9	21	156	TRUE	60540198	4.1125	4.914	1
18:47	Schedulec	OK	The Ridings; Headington; Oxford OX3 9	21.1	160	TRUE	60540198	4.1125	4.914	1
18:46	Schedulec	OK	170 Old Rd; Oxford OX3 8	20.6	92	TRUE	60540198	4.089	4.914	1
18:45	Schedulec	OK	46 Wood Farm Rd; Headington; Oxford OX3 9	32.5	39	TRUE	60540198	4.089	4.914	1
18:44	Schedulec	OK	The Slade; Headington; Oxford OX3 9	30.9	329	TRUE	60540198	4.089	4.914	1
18:43	Schedulec	OK	Hollow Way; Oxford OX3 7	24.1	32	TRUE	60540198	4.089	4.797	1
18:42	Schedulec	OK	155 B4495; Oxford OX4 2	27.7	24	TRUE	60540198	4.089	4.914	1
18:41	Schedulec	OK	Bennett Crescent; Cowley; Oxford OX4 2	1.6	0	TRUE	60540198	4.089	4.797	1
18:41	Schedulec	InvalidGP	31 Fern Hill Rd; Cowley; Oxford OX4 2	0	0	TRUE	60540198	4.089	4.914	1
18:41	JourneySt	InvalidGP	31 Fern Hill Rd; Cowley; Oxford OX4 2	0	0	TRUE	60540198	4.089	4.914	1
18:40	InternalB	InvalidGP	31 Fern Hill Rd; Cowley; Oxford OX4 2	0	0	FALSE	0	4.089	4.914	1



Pivotal

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Hence the “Industrial Internet”



19 Jun, 2013

GE said **Amazon** Inc is the first online "cloud" service on which it will start creating an "Industrial Internet"...

The deal will build on **GE** partnerships with IT infrastructure company **Pivotal** and consultant **Accenture** Plc, which will develop applications to help companies tap "big data" - a broad term for the use of vast amounts of stored information.

"It is only in the ability to **quickly analyse, understand, and put machine-based data to work in real-time** that points us to a society that benefits from the promise of big data," said Bill Ruh, vice president for GE's global software centre.

Pivotal

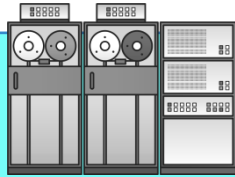
Wherefore Pivotal?

Mission: Build a new platform for a new era

Pivotal

Cloud Era: Changing I.T.

MAINFRAME



Automation
of financial
accounts

ISAM

Mainframes

CLIENT-SERVER & WEB



Automation of
most paper processes:
ERP, CRM, Email, ...

Relational
Databases

Mini's & PC's

CLOUD ERA



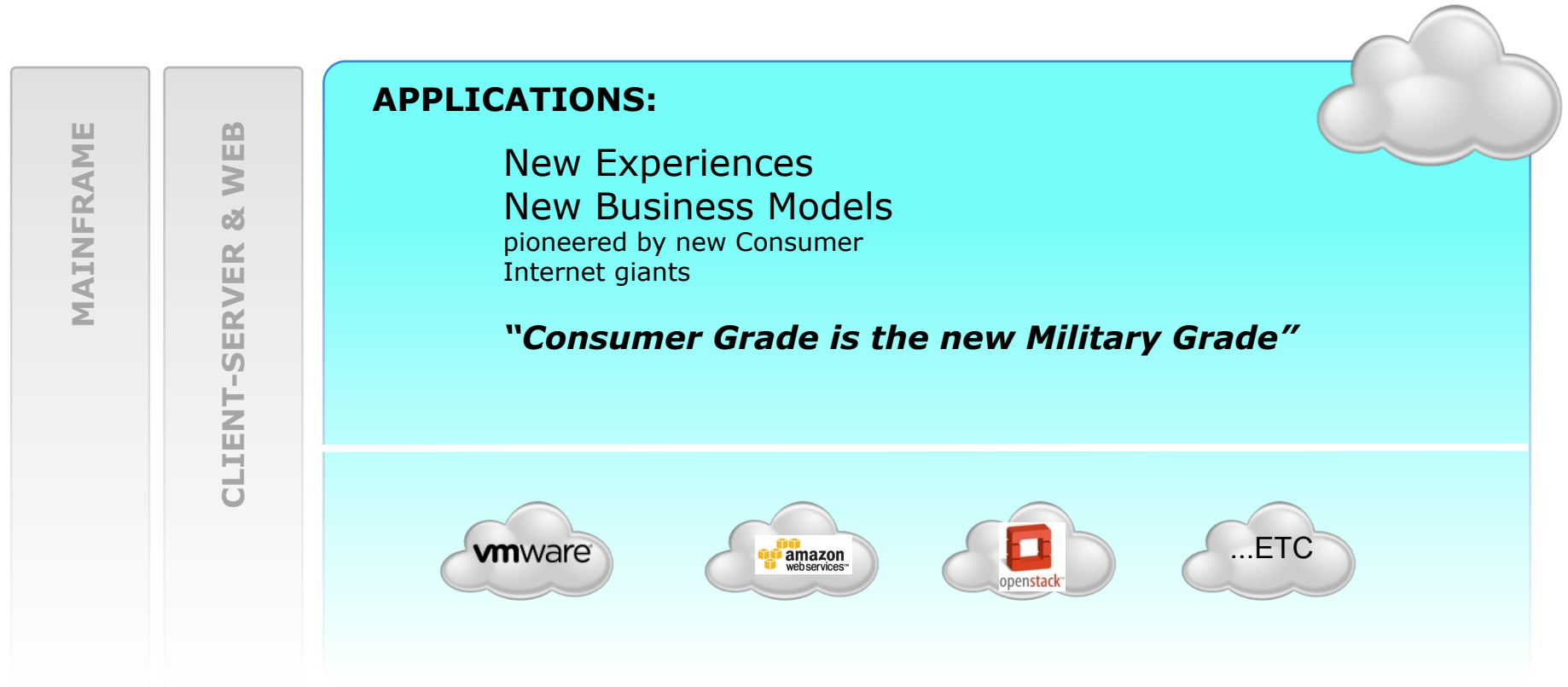
New Experiences
New Biz Models
pioneered by new Consumer
Internet giants

New Data-fabrics

Software-Defined
Datacenter

Pivotal

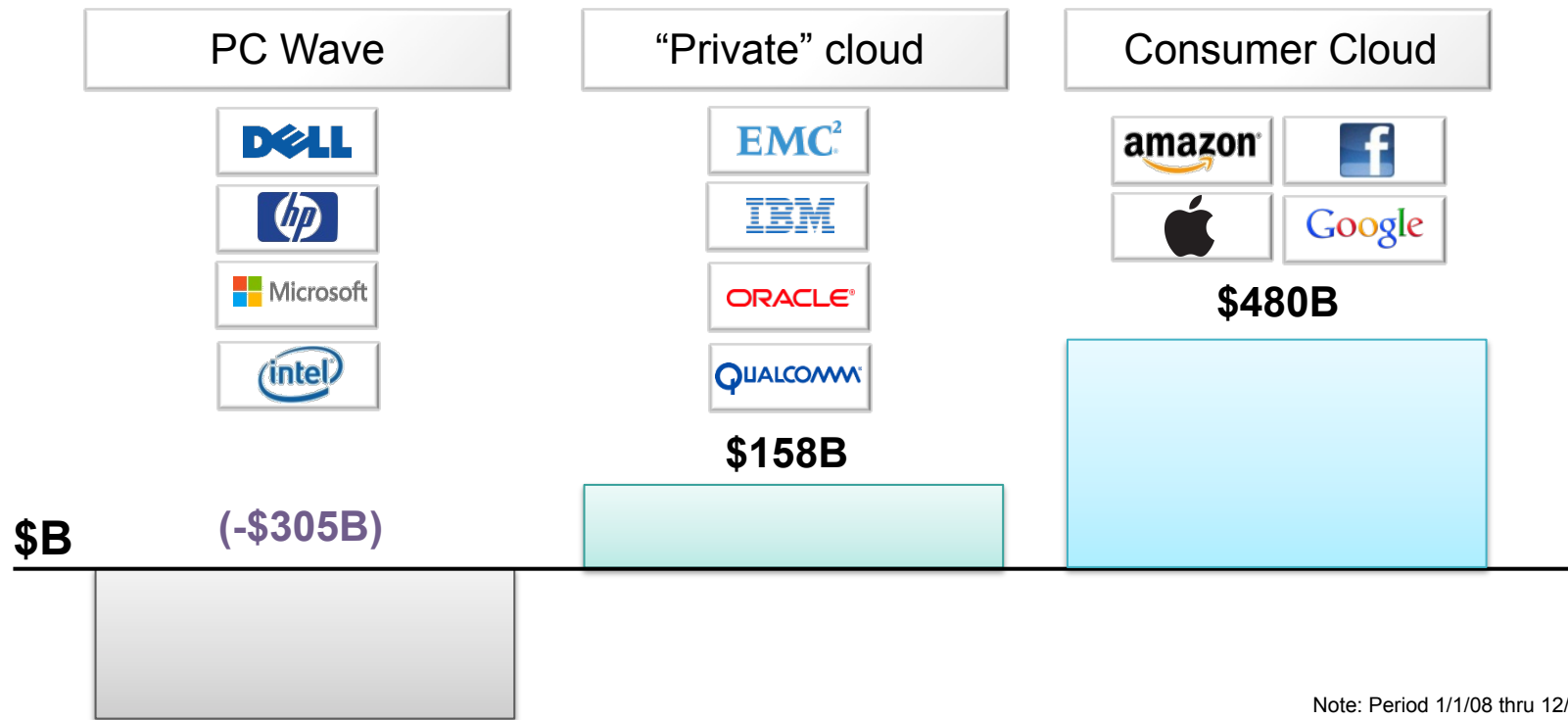
Innovation: From Consumer Internet Giants



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The Cloud Era

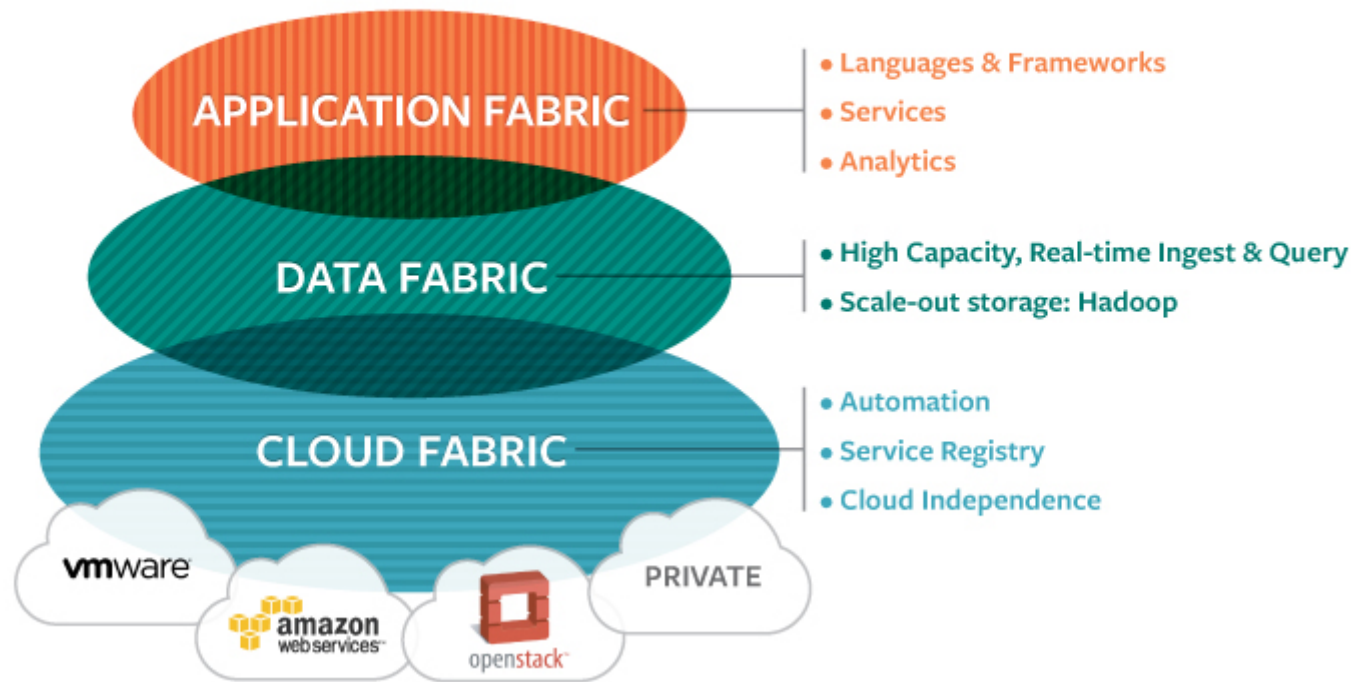
Change In Market Capitalization Over Previous Five Years



Note: Period 1/1/08 thru 12/05/12

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PIVOTAL ONE



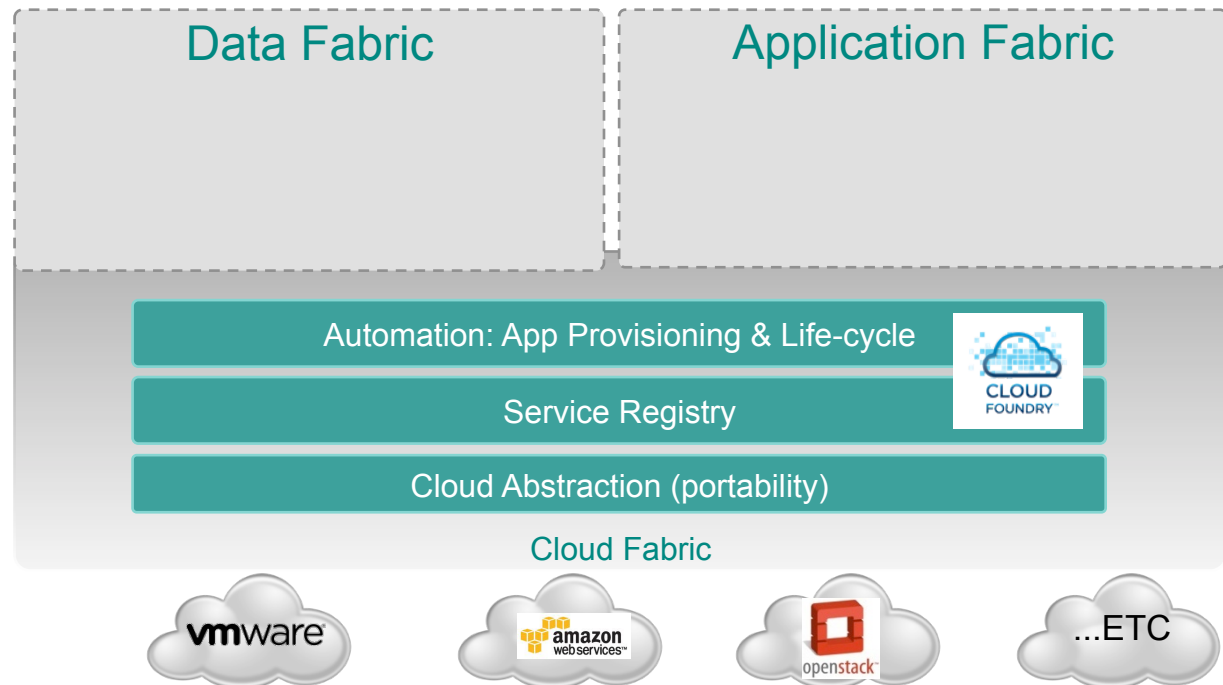
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Cloud Fabric

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Pivotal One: Cloud Fabric

- Based on Cloud Foundry
- Open & Open-source: Cloudfoundry.org
- Designed for:
 - Portability
 - Scale
 - Automation
 - Resiliency
- Growing ecosystem



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Cloud Provider Interface

VM

```
create_vm (agent_id, stemcell_id, resource_pool,  
          networks, disk_locality, env)  
delete_vm (vm_id)  
reboot_vm (vm_id)  
configure_networks (vm_id, networks)
```

Disk

```
create_disk (size, vm_locality)  
delete_disk (disk_id)  
attach_disk (vm_id, disk_id)  
detach_disk (vm_id, disk_id)
```

Stemcell

```
create_stemcell (image, cloud_properties)  
delete_stemcell (stemcell_id)
```

IaaS Neutral



ComicRelief raises record donations - £75,107,851!



A just world free from poverty

"Platform that holds up to a flood of donations occurring on a single day"

Business concerns:

- "Red Nose day: Do something funny for money" –single day fund raiser where transactions need to occur flawlessly
- Huge spike in demand as millions of TV viewers donate (80% revenue in 6hours)
- Sturdy app platform to deal with 300 donations per second (Average donation is £40 or ~\$55)

Technical strategy

"Use cloud" to rebuild existing platform and provide on-demand elastic infrastructure

- Leverage 3rd party commoditization to keep control of risk
- PaaS should be "hackable"

Implementation components

- Cloud Foundry , CF BOSH, VMware, AWS

Benefits

- Highest amount ever collected: ~\$115M
- ZERO lost transactions: First time ever!
- ZERO Downtime experienced

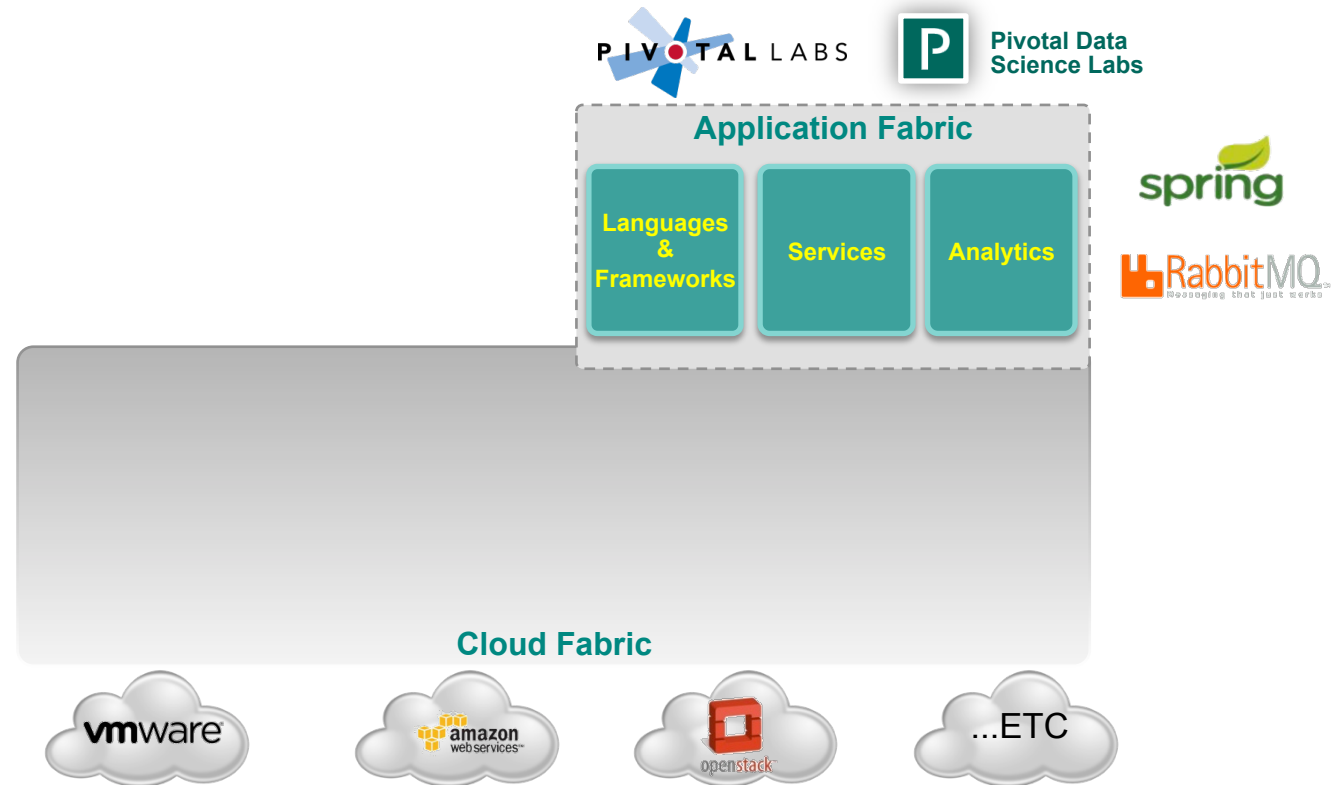


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App Fabric

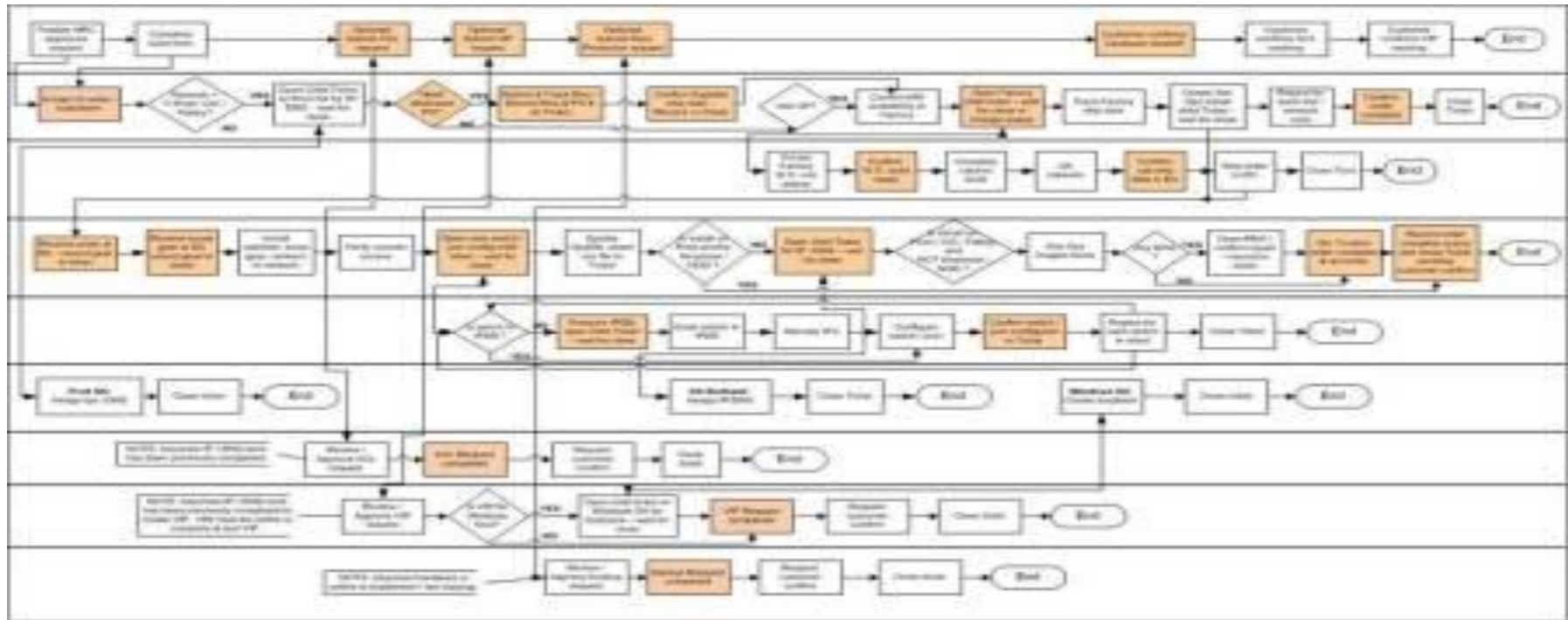
Pivotal One: App Fabric Ingredients

- Rapid application development platform and services
- Automatic deployment and scaling
- Loosely coupled instant service bindings
- Analytic instrumentation and visualization



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From Months to Deploy Applications...



* An actual application provisioning/update flow in a large enterprise. Image is blurred for privacy reasons

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To Less than a Day!

deploy <my cloud>

target <my cloud>

push <my app>

bind <my services>

scale <my app> +100

add_capacity <my cloud>



Operator
Developer

Pivotal

Data Fabric

Pivotal

Pivotal One: Data Fabric

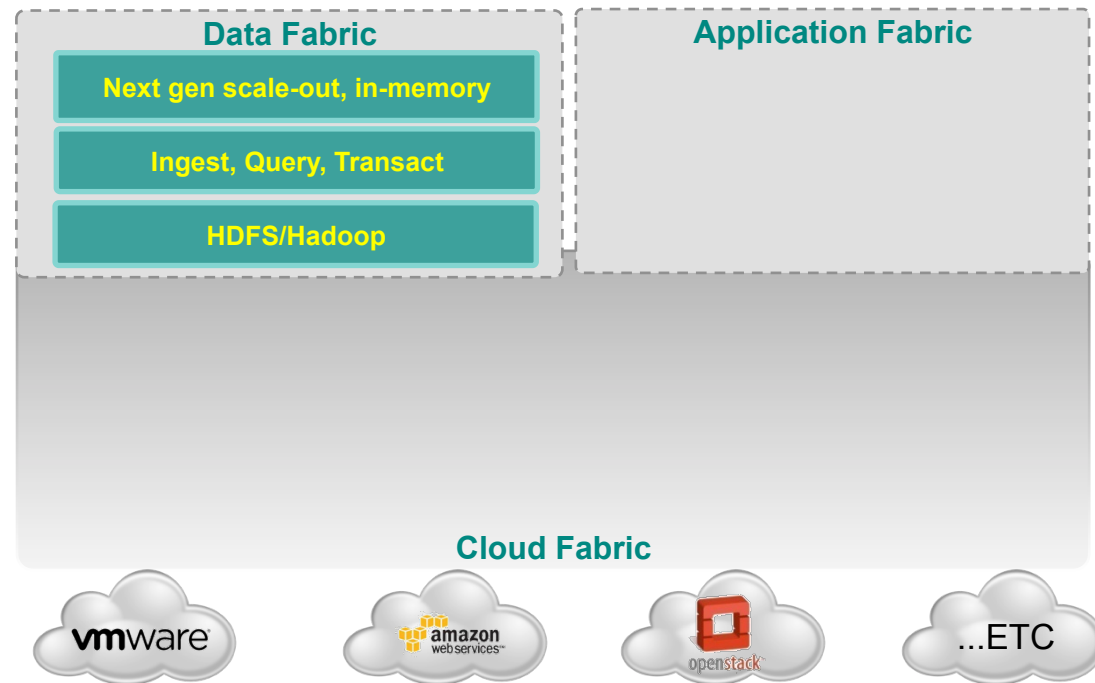
GEMFIRE®



- In-memory data grid: **ingest & transact**
- Proven in the most demanding real-time environments

GREENPLUM®
A DIVISION OF EMC

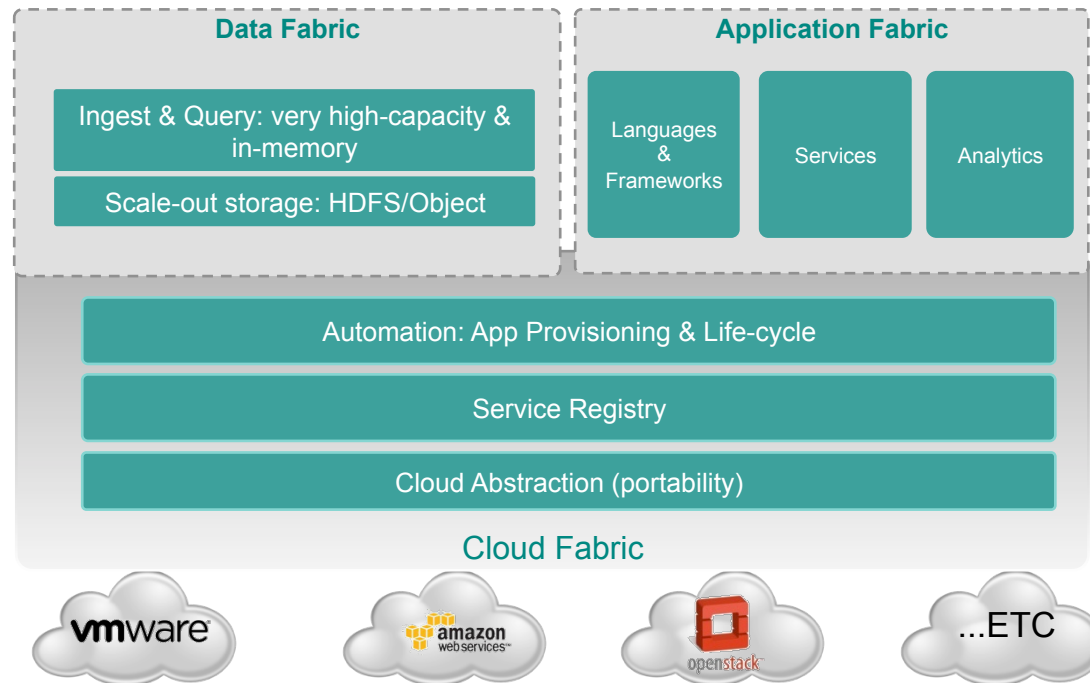
- 10+ years of high-scale parallel **query**
- Deep analytics support
- Now applied to Hadoop



Pivotal

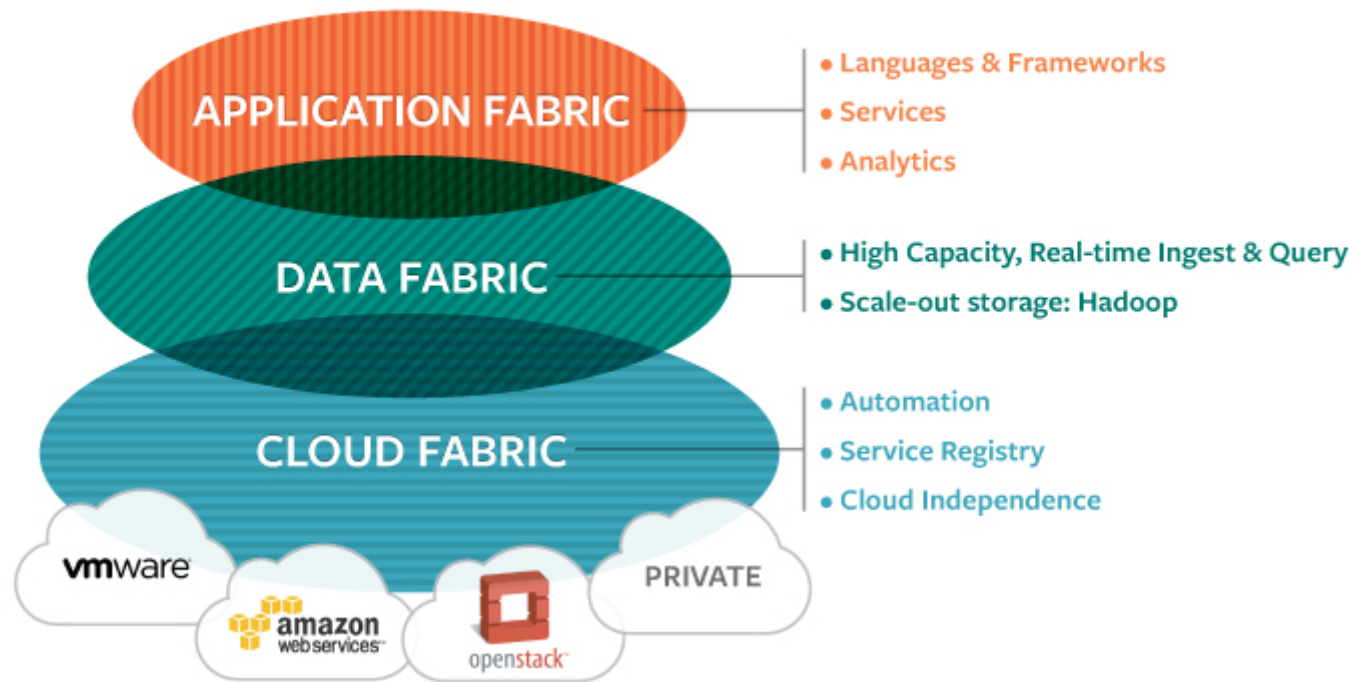
Pivotal One: Redefining Enterprise PaaS

- Open & Open Source
- Data-Centric
- Multi-cloud
- Developer-friendly
- Enterprise-friendly



Pivotal

PIVOTAL ONE



Pivotal

Pivotal

A NEW PLATFORM FOR A NEW ERA



EMC ISILON SCALE-OUT NAS

Big Data Storage

Kai Girvan-Brown

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EMC Isilon

Setting the standard for scale-out NAS

- Broad adoption across many markets
 - **High Performance Computing (HPC):** Life Sciences, Oil & Gas, Electronic Design Automation, Media & Entertainment, Financial Services
 - **Enterprise IT:** Archive, Home Directories, File Shares, Virtualization, Business Analytics
- Over 3,500 global customers
 - 100% Y/Y growth rate
 - EMC #1 NAS market*
- Isilon OneFS: Seventh generation, industry-proven, innovative scale-out operating environment



**Source: "Market Share Analysis: Network-Attached Storage/Unified Storage, Worldwide, 2011," Gartner, March 2012*

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Big Data Apps Need Big Data Storage

Data intensive, HPC workflows



Medical Imaging



MERCK



City of
Hope™



Gene Sequencing



BROAD
INSTITUTE

illumina®



Seismic Exploration



PetroChina

arcis
SEISMIC SOLUTIONS



Media & Entertainment

SONY®



Satellite Images



NAVTEQ



Product Development



Pratt & Whitney
Une société de United Technologies

ARM™

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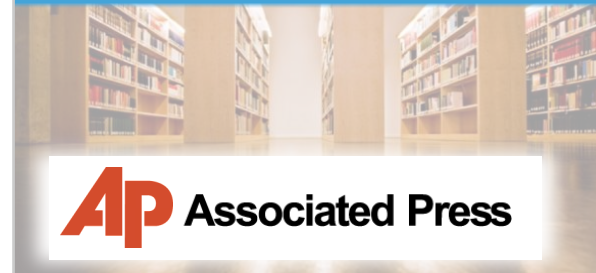
Enterprise IT Needs Big Storage

Typical enterprise IT workloads

LARGE-SCALE HOME DIRECTORIES



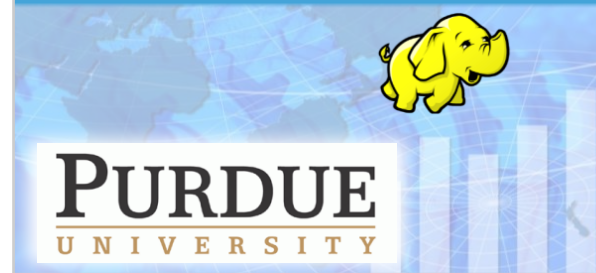
LARGE-SCALE ARCHIVES



LARGE-SCALE VIRTUALIZATION

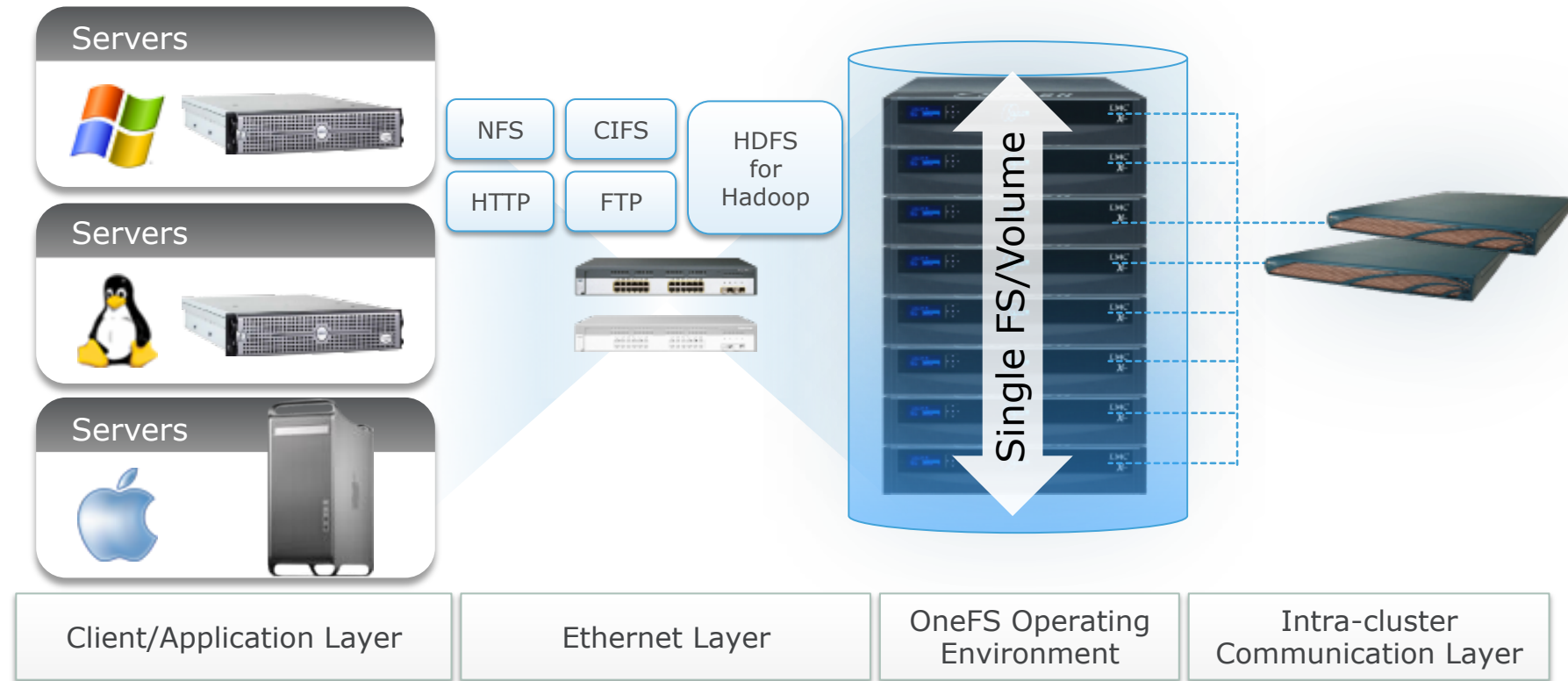


LARGE-SCALE ANALYTICS



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Isilon Scale-Out NAS Architecture



Isilon Core Innovation

OneFS scale-out operating system



Single File System
Simplicity

High Performance

Automated Tiering

Leadership Efficiency

Easy Growth

Linear Scalability

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Comprehensive Enterprise Software

DATA PROTECTION

SnapshotIQ

Fast, efficient data backup and recovery

SyncIQ

Fast and flexible asynchronous replication for disaster recovery protection

SmartConnect

Policy-based client failover with load balancing

SmartLock

Policy-based WORM data protection

Backup Accelerator

Scalable NDMP backup

DATA MANAGEMENT

SmartPools

Policy-based automated tiering

SmartQuotas

Quota management and thin provisioning

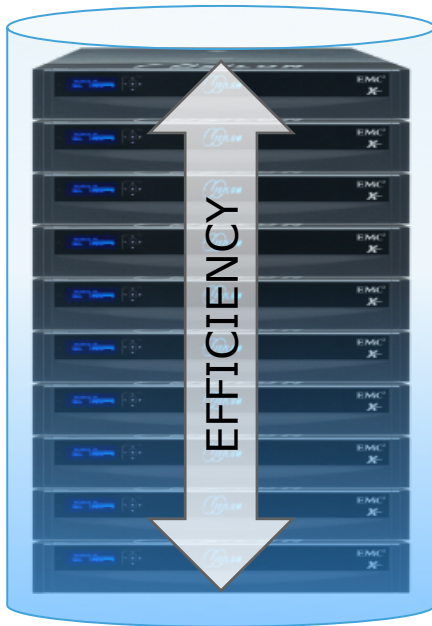
InsightIQ

Performance monitoring and reporting to manage storage resources

Isilon for vCenter

VMware integrated management features

Isilon Simplicity and Ease of Use



- Single volume spans all nodes
 - Directories and files striped across the cluster
- Auto-balance capacity and performance
- Automation:
 - NO manual intervention
 - NO reconfiguration
 - NO server or client mount point or application changes
 - NO data migrations

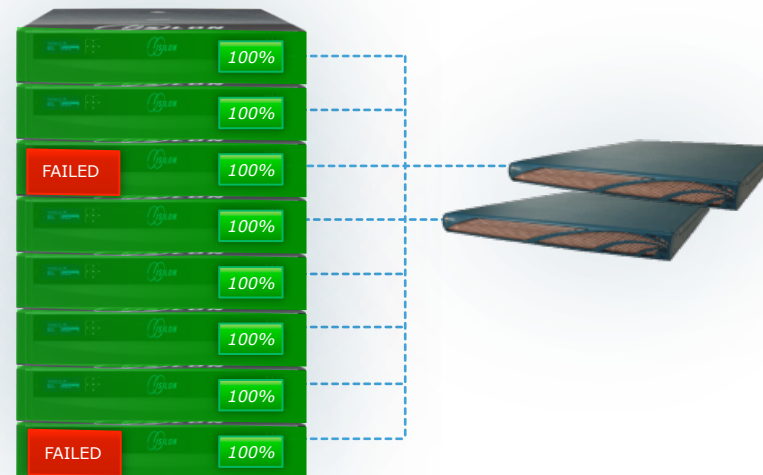
Unmatched Data Protection and Availability

Highly resilient, clustered architecture

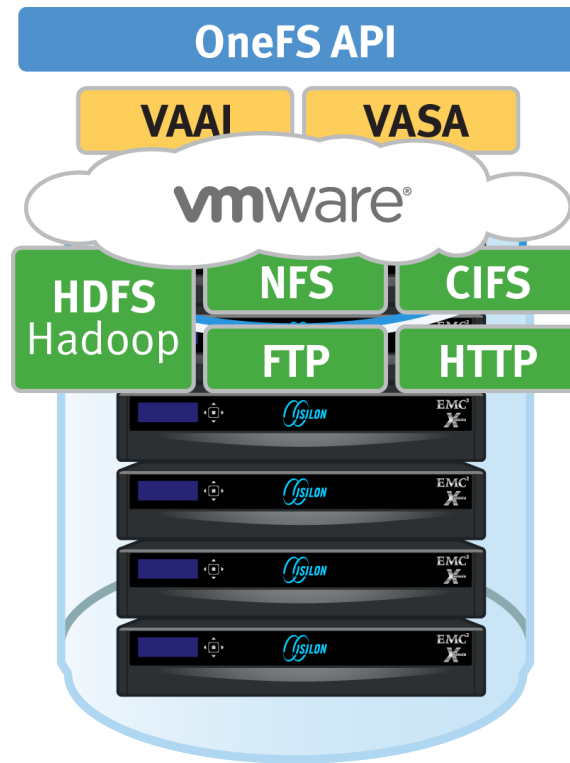
With N+1 protection,
data is 100% available
even if a single drive
or node fails

011010
000101100
101010101

*And with Isilon, the
more nodes in the
cluster, the **faster**
drive rebuild time*



Interoperability for Operational Flexibility



- Platform REST API
 - Simplify management and integration
 - Third-party application integration
- VMware integration
 - VAAI: vStorage APIs for array integration
 - VASA: vSphere APIs for storage awareness
 - Virtual Server writeable clones
- Multi-protocol support
 - Integrated support for industry-standard protocols
 - Native HDFS support

Industry's First and Only Scale-Out Storage Solution With Native Hadoop Integration



- Accelerate the benefits of Hadoop for the enterprise
 - Proven Hadoop solution, faster implementation
 - Greater interoperability with enterprise applications and Hadoop analytics through multi-protocol parallel access from any client
- Reduce risk
 - Eliminates Hadoop NameNode single point of failure
- Enterprise data protection
 - Fast snapshots, backup, and recovery
 - Simple, reliable data replication for disaster recovery
- Ultimate flexibility
 - Scale compute and storage resources separately
 - Supports physical and virtualized server environments

Isilon Scale-Out NAS Value



Simplicity and ease of use

Single file system, single volume, global namespace

Massive scalability

Scales to over 20 PB in a single file system

World record performance

Over 100 GB/s throughput, 1.6M SPECsfs ops

Unmatched efficiency

More than 80% storage utilization, and automated storage tiering

Enterprise data protection

Efficient backup and recovery, reliable disaster recovery, and N+1 thru N+4 redundancy

Robust security options

Roles-based administration; Authentication Zones; SEC 17a-4 compliant WORM data security

Operational flexibility

Integrated support for industry-standard protocols including NFS, SMB, HTTP, FTP, and HDFS; platform REST API; VMware integration



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James Roberts - Information
Intelligence Group

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THE WAY WE WORK IS CHANGING **WE NEED ACCESS ON MORE DEVICES**

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The Enterprise is Less Secure Every Day...

70%

IT Professionals that know or suspect
that consumer-grade tools are being
used despite corporate policies

Source: Enterprise Strategy Group Survey 2013

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No Extra Steps

Just Click "Save" and Your File is Synced Everywhere...



WINDOWS 8 IPHONE ANDROID MS SURFACE

OUTSIDE FIREWALL

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Syncplicity Secure File Distribution



PUSH SYNCHRONISATION

Content is automatically updated on all computers and mobile devices whenever there is a connection

REAL-TIME NOTIFICATIONS

Popup notifications tell users when files have changed on mobile devices

NO VPN REQUIRED

Safely sync and sharing across organisational and network boundaries without VPN issues or external accounts for users

FOLDER PERMISSIONS

Publish content safely to large groups with "read-only" access

DOCUMENTUM-READY

Publish regulated content from Documentum as part of a managed workflow

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Syncplicity Security and Protection

ENTERPRISE-GRADE ACCESS CONTROLS

Native support for single sign-on (SSO) and on premise password policies

CENTRALISED POLICIES

Enforce sharing, access, data retention policies and limit access to authorised devices

MILITARY-GRADE ENCRYPTION

256-Bit AES Encryption of each file with a unique key stored in separate data center from files

REMOTE WIPE

Permanently delete shared folders and files from lost or stolen devices inside and outside your enterprise control

FLEXIBLE STORAGE OPTIONS

Utilise the Syncplicity Cloud or store files on premise with EMC Isilon, EMC Atmos or EMC VNX for maximum control and data compliance.



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Security and Manageability



SECURE

- AD/SAML SSO
- Encryption in transit and at rest
- Adaptive security



CONTROL

- Sharing policies
- Access policies
- Data Retention Policies



DEPLOY

- Group Management
- User Management
- Auto-configuration
- Silent Installer



SUPPORT

- User Account Access
- Remote Wipe
- Data Ownership



MONITOR

- Usage Reports
- Audit reports by user, device, file, or folder



Security and Manageability



CERTIFICATIONS

DATA CENTER
SOC1 SSAE 16
TYPE 2

US-EU
SAFE
HARBOR

US-SWISS
SAFE
HARBOR

TRUSTe
WEBSITE
REVIEW

TRUSTe
MOBILE
DEVICES

TRUSTe
DOWNLOADABLE
SOFTWARE

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Higher Education

Use Cases

Higher Education Stakeholders Requirements



Students

- Take Online Assignments
- Access to Progress Reports
- Securely Share Personal Information
- Self-Service Capabilities



- Grade Reports
- Information Sharing with other Parents
- Exchange Student Information with other Universities



Parents



Professors



- Upload assignments and lecture materials and handouts
- Collaboratively work on research
- Enter marks /results and produce reports

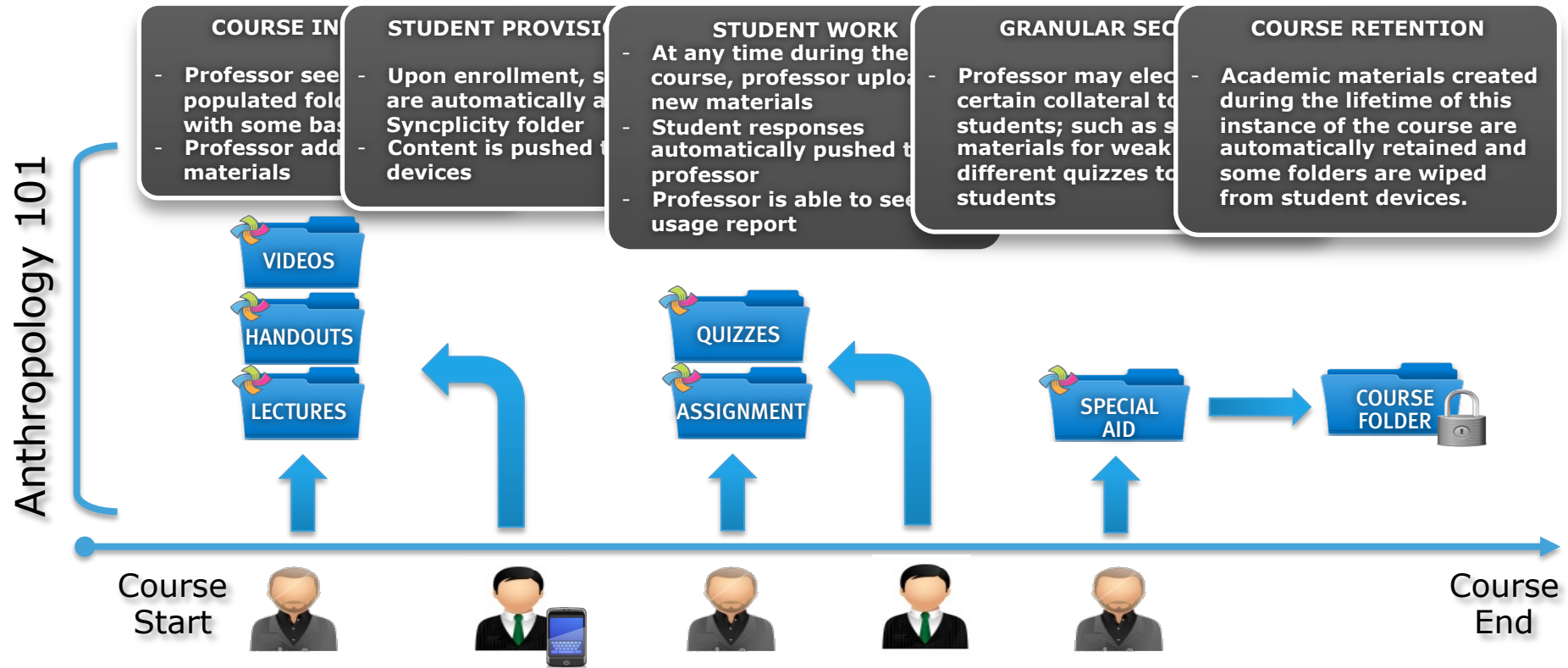


Staff

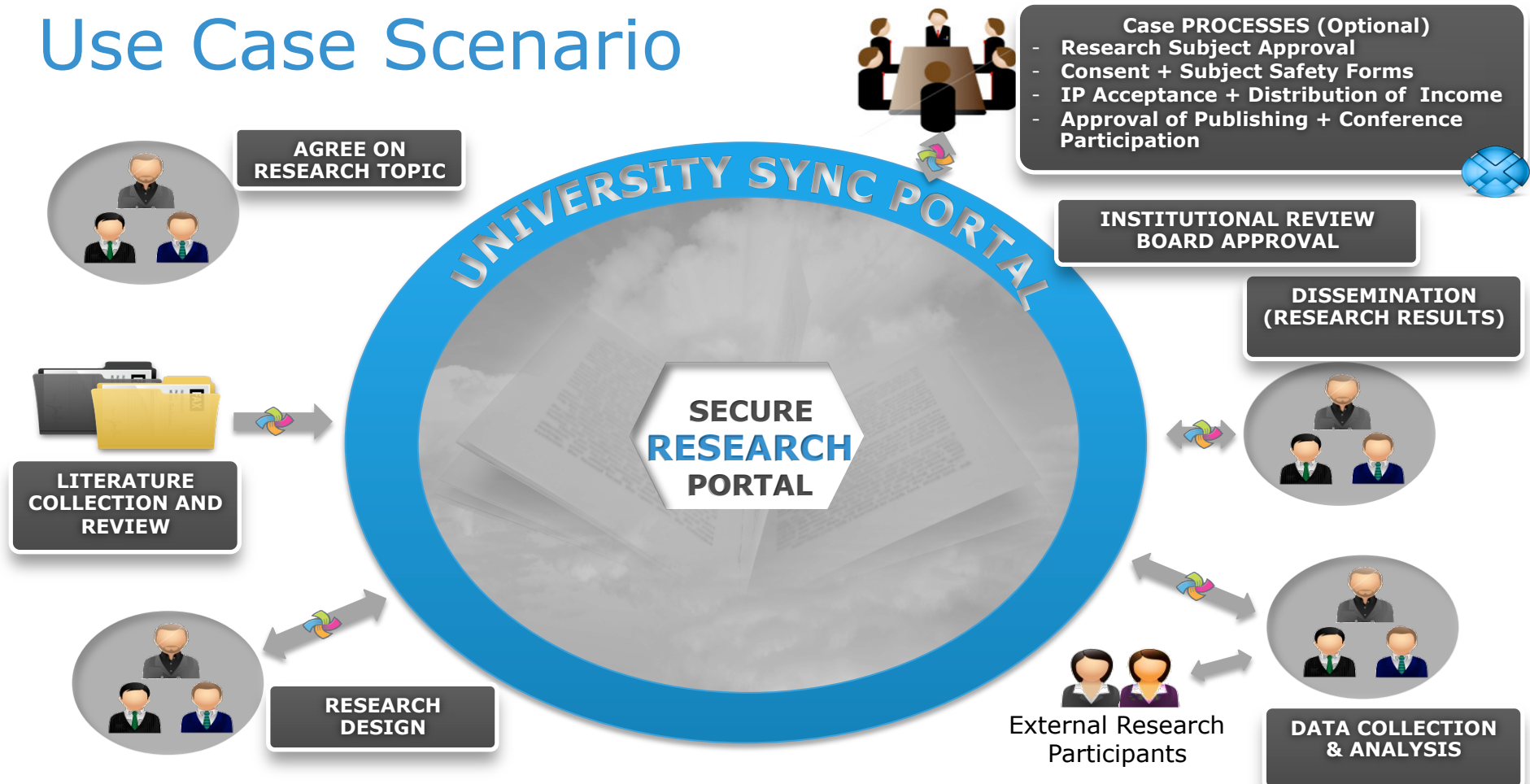


- Enable Inter-Faculty Information Sharing
- Apply Regulatory Policies on Student Data
- Disseminate new course materials to professors and protect Intellectual Property

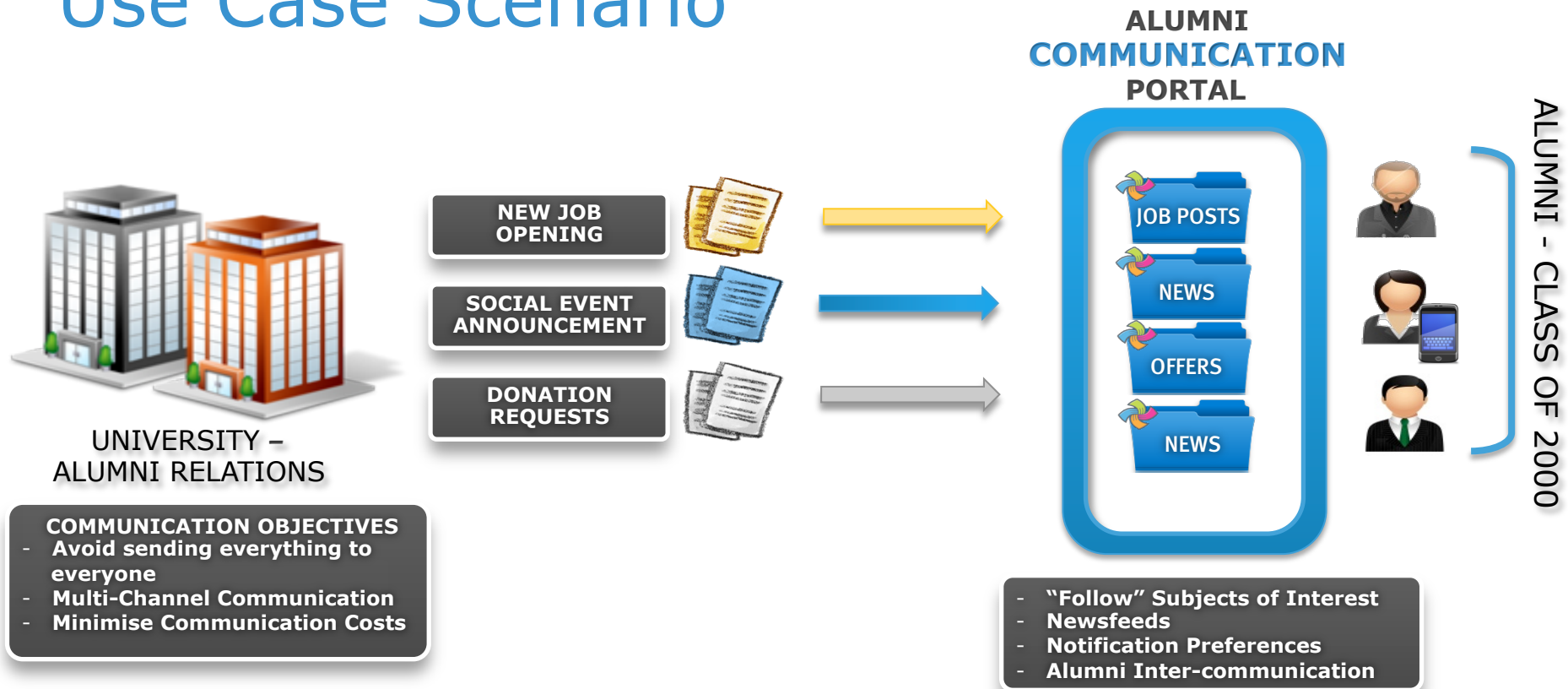
Use Case Scenario



Use Case Scenario



Use Case Scenario



Lawrence Livermore National Labs



Challenge

- Scientists and Laboratory technicians need secure mobile content access
- Reduce the risk of non-compliant distribution of content

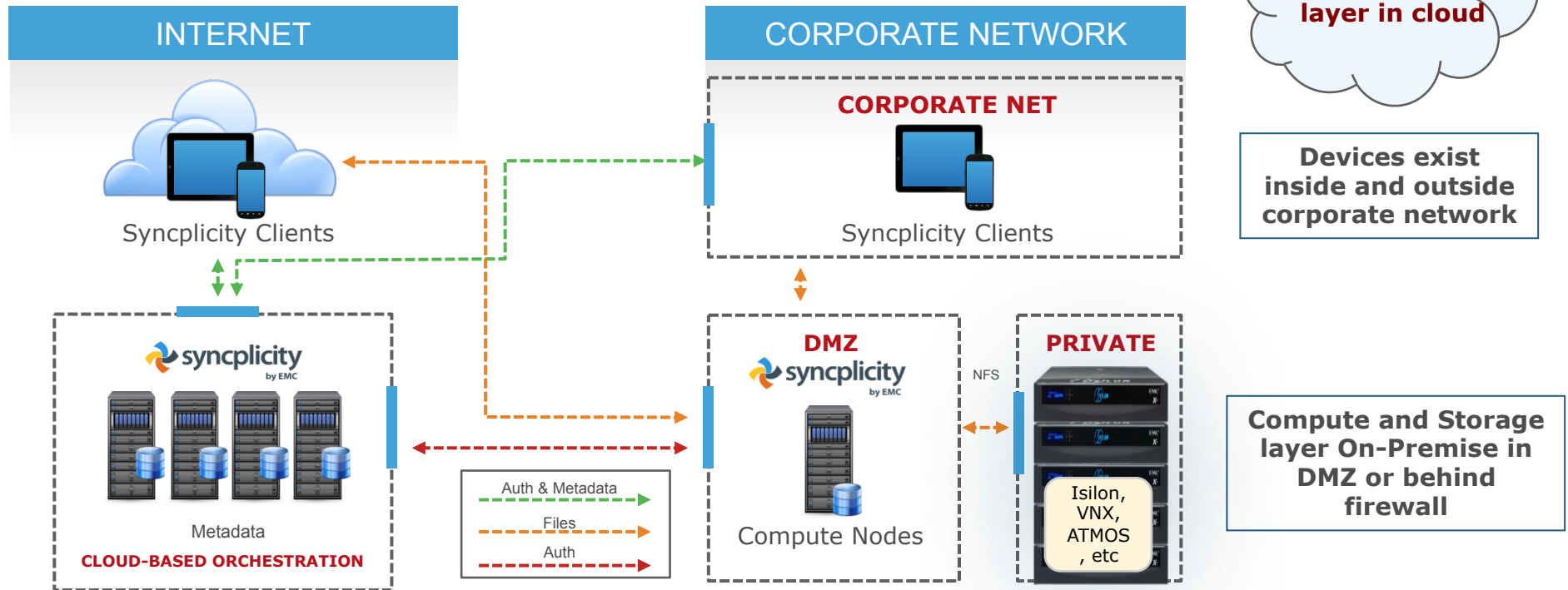
Syncplicity Use Cases

- File Distribution to a Mobile Workforce
- Dropbox Replacement

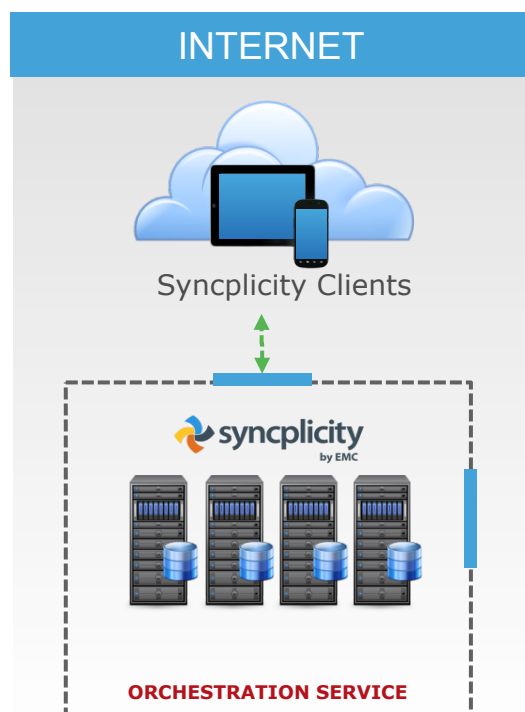
EMC Solutions

- EMC Syncplicity
- EMC Isilon

Syncplicity Storage Architecture



Orchestration Service



MANAGES STATE AND METADATA*

Enterprise users can easily access files on any device and share files with anyone, anytime, anywhere with no extra steps

- Accounts
- Devices
- Sync folders
- Mappings
- Sharing
- Policy & settings
- Files & folders
- Device state

*Includes file locations and paths, not detailed document information

Orchestration Layer Contents

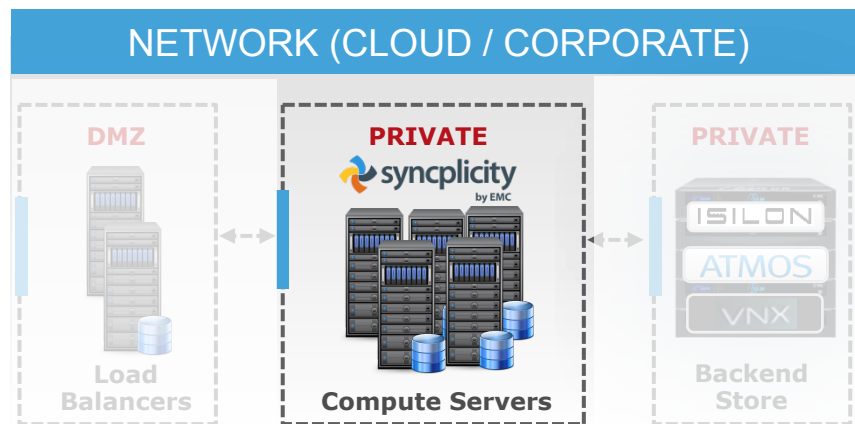
All that we store in the Orchestration Layer is metadata which includes:

- File Name, Creation Date, Size, SHA256 hash
- Storage information (# of chunks, chunk size, encryption key, data length after encryption/compression)
- Virtual path relative to the sync point root
- Full path to where root syncpoints are mapped on the user's machines

Information like file size, sha256 hash, and encryption keys are stored in separate databases from all user-specific information.

No Document content ever goes through the orchestration layer !

Compute Servers (Storage Appliance)



Thin application layer

2 or more identical, stateless VM instances

Exposes file transfer API's (incl. Resumption)

Verifies file integrity

Optionally encrypts and/or compresses

Generates image thumbnails

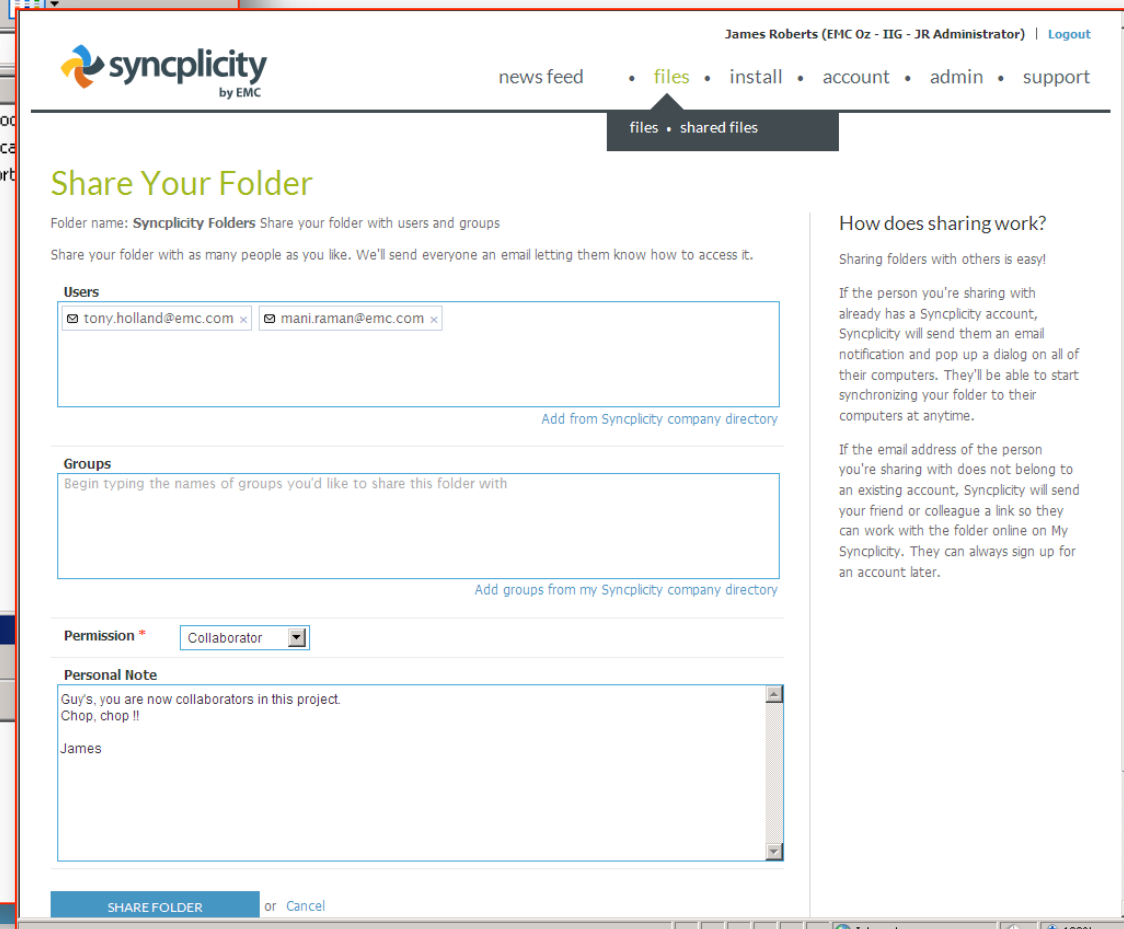
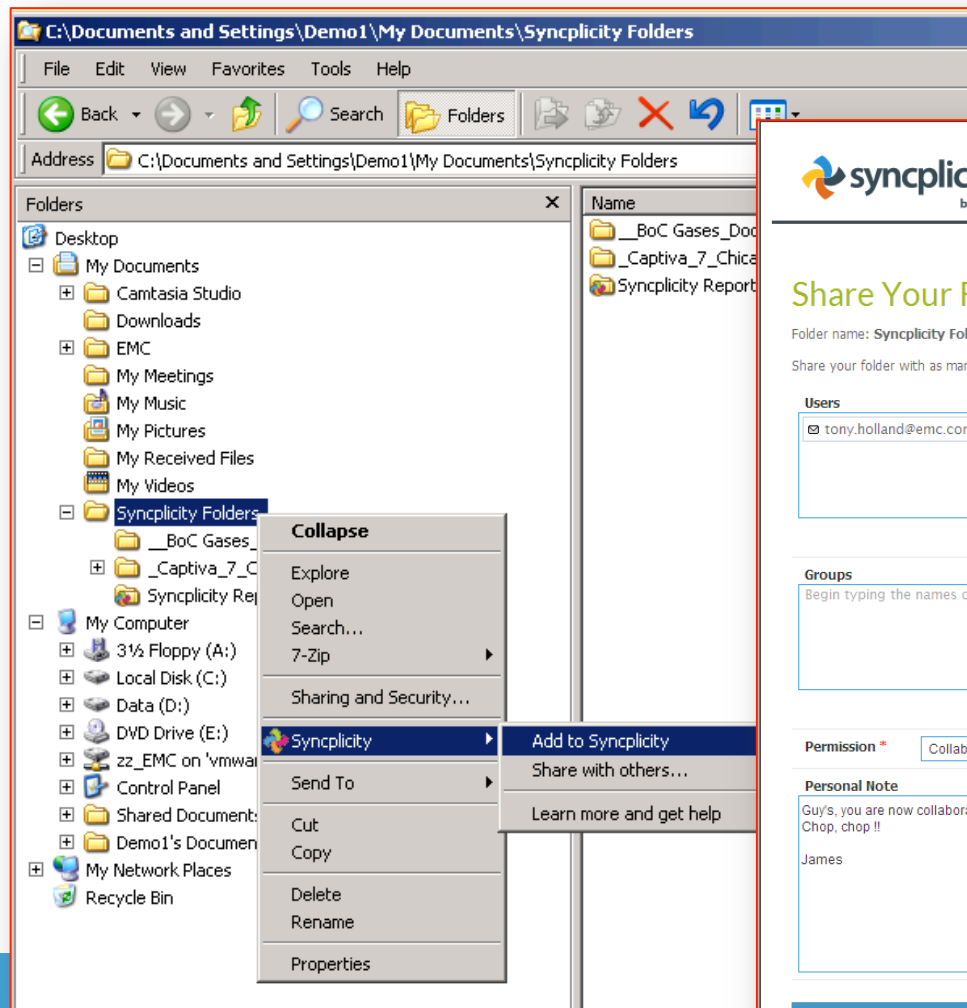
Compute Servers (Storage Appliance)


APPLIANCE

- .OVA machine image supplied by EMC
- Customer managed
- vSphere 5.x certified
- Runs CentOS 6.4 min

SOFTWARE

- Java based
- Port 9000, regular user
- Exposes 3 endpoints
 - Ping
 - Upload
 - Download
- Background cleanup



- Display detailed status
- Manage and share folders
-  Add a new Folder
- Configure Syncplicity
- Link to web applications



Online Links

- Browse to My Syncplicity
- Invite a friend to Syncplicity
- Learn more and get help

Syncplicity Det



This
All files o

All files on th

There are no files left

Overall progress:

Next to download:

All files on th

There are no files left

Overall progress:









Next to upload:

Manage Folders - Syncplicity

All folders

Private and shared



Folder name	Owner
 20130723 Covermore Syncp... (Mani...	Mani Raman
 20130728 SA Government S... (Mani...	Mani Raman
 20130820 Telstra IT Solu... (Mani Ram...	Mani Raman
 5_Bureaux	James Roberts
 ACMA (Brendon Boscence)	Brendon Boscence
 ACT - ACMA	James Roberts
 AJP Training (Pierre Trussart)	Pierre Trussart
 All Hands (Anthony Ng)	Anthony Ng



_DCTM-
Sharepoint_Integration

Sync to this computer

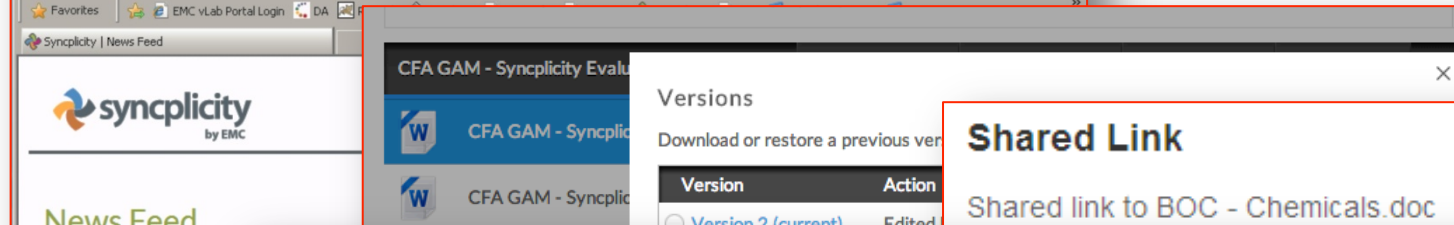
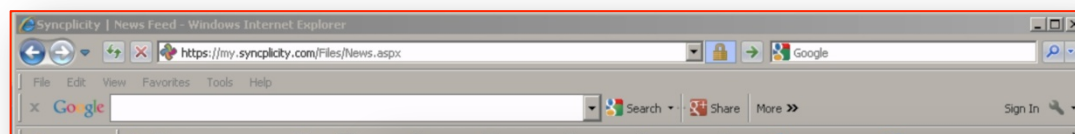
Share folder

More options...

Delete folder

Browse online





Shared Link

Shared link to BOC - Chemicals.doc

James Roberts (EMC U2 - IIG - JR Administrator) | Logout

news feed • files • install • account • admin • support

files • shared links

Files

All Files ▾ _Customer ZZ

[download](#) [restore](#) [permanently delete](#)

	BOC - About Us.doc	Jul 8, 2013 3:48 pm	Word document	42 KB
	BOC - Burns.doc	Dec 3, 2007 5:44 am	Word document	35 KB
	BOC - Chemicals.doc	Jul 9, 2013 9:56 am	Deleted file	29 KB
	BOC - Magnetic Fields.doc	May 16, 2013 10:31 am	Deleted file	30 KB
	Dilbert - Interpretation.pdf	Sep 6, 2013 3:27 pm	Deleted file	20 KB

to download this file separately.

password generator to automatically create a password.

[Generate Link](#)

Dashboard

syncplicity by EMC

Dashboard

Seats Activated
9 of 25

Add Seats

Storage Consumption History

Last 30 days Last 60 days Last 90 days

270.08 MB

Aug 18 19 20 21 22 23 24 25 26 27

Run a Report [Need help?](#)

Administration Console

syncplicity by EMC

James Roberts (EMC Oz - IIG - JR Administrator) | [Logout](#)

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NEW dashboard • NEW reports • user accounts • groups • devices • folders • **policy**

Manage Policies and Settings

Security and Compliance Console

- [Set security policies](#)
- [Deleted items retention policy](#)
- [Previous version retention policy](#)
- [Configure authentication settings](#)
- [Edit company properties](#)

Setup and Collaboration Settings

- [Syncplicity client setup](#)
- [Collaboration](#)
- [Add Enterprise Edition features to your account](#)

Enterprise Edition Features

- [Access ECM Connector information and software download instructions](#)

Company Info

EMC Oz - IIG - JR
Customer since Jun 11, 2012

Owned by
[James Roberts](#)

Administered by
[James Roberts](#)

Plan Info

Enterprise Edition

[View details](#), [Update billing info](#),
[Close account](#)

Seats
4 out of **25** purchased in use
[Adjust seats](#)

Storage
198.94 MB of **50.00 GB** in use
[Adjust available space](#)

James Roberts

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Configure Authentication Settings

Domain Settings

Create a custom branded domain for your users to log-in to.

Custom Domain*

Single Sign-On (SSO)

Single Sign-On allows your users to login to Syncplicity using external credentials, such as an Active Directory user account, using SAML. You will need to have a custom domain created.

Single Sign-On Status*

☐ Enabled
☒ Disabled

Entity Id

Sign-in page URL *

Logout page URL

Identity Provider Certificate *

Current Certificate:

Single Sign-On Network Mask

or

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Retention Policies

Deleted Items Retention Policy

Deleted items are automatically retained in the Online Recycle Bin, allowing users to easily restore them if needed. The policy controls the length of time Syncplicity will keep items in the Recycle Bin after it has been deleted. [Read more.](#)

Note: Changes to this policy may require up to 24 hours to take effect.

☐ Retain deleted items forever

☒ Retain deleted items only for the length of time specified below

Advanced policies

If	File Type	Is	Music	<input type="button" value="↑"/>	<input type="button" value="↓"/>	<input type="button" value="X"/>
Delete after	<input type="text" value="2"/>	<input type="text" value="days"/>				
If	File Type	Is	Documents	<input type="button" value="↑"/>	<input type="button" value="↓"/>	<input type="button" value="X"/>
Delete after	<input type="text" value="30"/>	<input type="text" value="months"/>				
If	File Size	Is larger than	<input type="text" value="1"/>	<input type="text" value="GB"/>	<input type="button" value="↑"/>	<input type="button" value="↓"/>
Delete after	<input type="text" value="7"/>	<input type="text" value="days"/>				

or

Other Tasks

[Previous Version Retention Policy](#)

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Set Security Policies

Folder Sharing Policy

- ☒ Company users can share folders with users outside of the organization
- ☐ Company users can only share folders amongst themselves

Shareable Links Policy

- ☐ Anyone can access and download files through shareable links
- ☒ Only authenticated company users can download files through shareable links

Share Naming Convention

- ☐ When accepting a share, append the owner's name to the name of the local folder
- ☒ When accepting a share, use the name of the share alone as the name of the local folder

Wipe Files on User Devices and Cloud Apps when User Accounts are Deleted

- ☐ When a user account is deleted, leave a copy of all files and folders on all connected devices and cloud apps connected to the user account.
- ☒ When a user account is deleted, perform a remote wipe on all connected devices and cloud apps connected to the user account

Require data to be wiped whenever a Device or Cloud App is removed from a User's Account

- ☒ Any device or cloud app removed by a user will keep a copy of all files and folders
- ☐ Any device or cloud app removed by a user will have a remote wipe performed on it

Other Tasks

[Add new users](#)

[Manage user accounts](#)

Folder Sharing Policy

By default, there are no restrictions on who company users can share folders with and who can share folders with company users. This policy setting allows you to restrict folder sharing so only your company's users can share with each other.

Wipe Shared Folders when Folder Access is Removed

- ☐ When a user is removed from a shared Syncplicity folder, leave a copy of the folder on the user's computers and devices
- ☒ When a user is removed from a shared Syncplicity folder, permanently delete the folder on all the user's computers and devices

Desktop Client Active Directory Restriction Policy

- ☒ Company users can install and run Syncplicity on any computer
- ☐ Company users can install and run Syncplicity only on computers joined to the following Active Directory domains:

- ☐ Only apply this policy to desktop clients running on Windows PCs

Mobile Application Access Policy

- ☒ Company users can access their accounts using Syncplicity's native mobile applications for iPhone, iPad, iPod Touch and Android
- ☐ Access from Syncplicity's native mobile applications is restricted

Website Access Policy

- ☒ Company users can access My Syncplicity and the mobile website from a web browser on any computer
- ☐ Company users can access My Syncplicity only from computers running an authenticated Syncplicity client. The mobile website will be inaccessible. This does not restrict access to administrators

Mobile Device Synchronization

- ☒ Users can synchronize files and folders to their iOS and Android devices on any network
- ☐ Users can synchronize files and folders to their iOS and Android devices, but only when the device is connected to a home network (i.e. not roaming) or a Wi-Fi hotspot
- ☐ Users can synchronize files and folders to their iOS and Android devices, but only when the device is connected to a Wi-Fi hotspot (synchronization on 3G/4G/WiMax is disallowed)
- ☐ Automatic synchronization is disabled on all mobile devices

Android Device Synchronization

- ☐ Allow users to synchronize files and folders to an SD card where they reside unencrypted
- ☒ Disallow unencrypted sync and require users to only sync to an encrypted cache managed by Syncplicity

Other Tasks

[Add new users](#)

[Manage user accounts](#)

Wipe Shared Folders when Folder Access is Removed

When a user no longer has access to a shared folder, that folder will be automatically wiped from all of their connected devices and cloud apps.

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Audit Reports



Audit a user



Audit a folder



Audit a file



Audit administrator actions



Last login by user

Storage Reports



Storage by user



Storage by file type



User storage by file type

Operations Reports



Bandwidth usage by user

OUR FOCUS



Frictionless User
Experience



Administration and
Manageability



Storage
Choice

File Sync and Share

...that Users Love

....that IT Trusts

SYNCPPLICITY

SHARE

SYNC

PROTECT

MOBILE

EMC²