



DURACLOUD™

An Introduction to DuraCloud

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DuraSpace Webinar ♦ Sept 2011



Who are we?



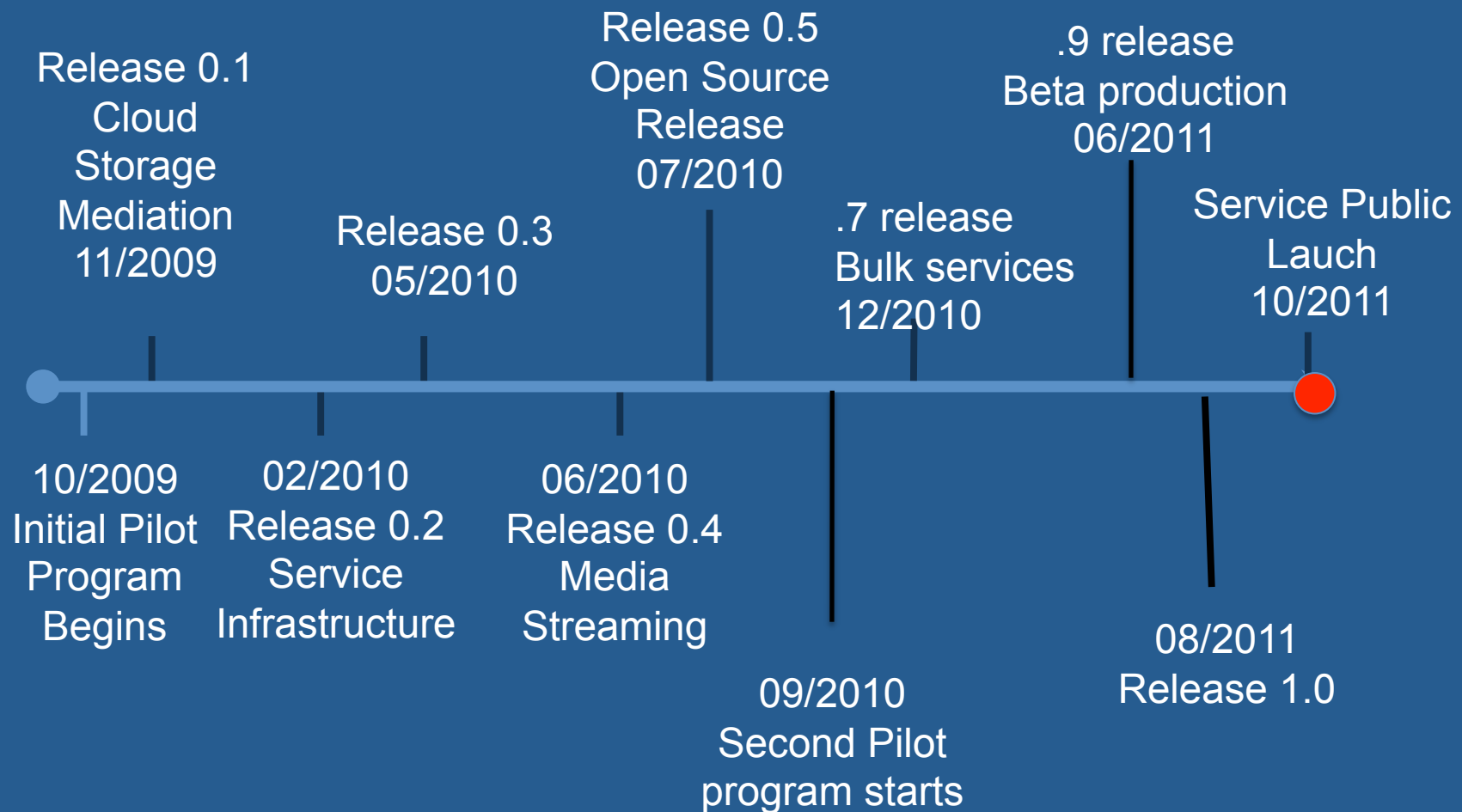
Why cloud?

A style of computing where massively scalable IT-related capabilities are provided “as a service” using Internet technologies to multiple external customers.

(Gartner 6/08)



DuraCloud Project History



Phase 2 Pilot Partners

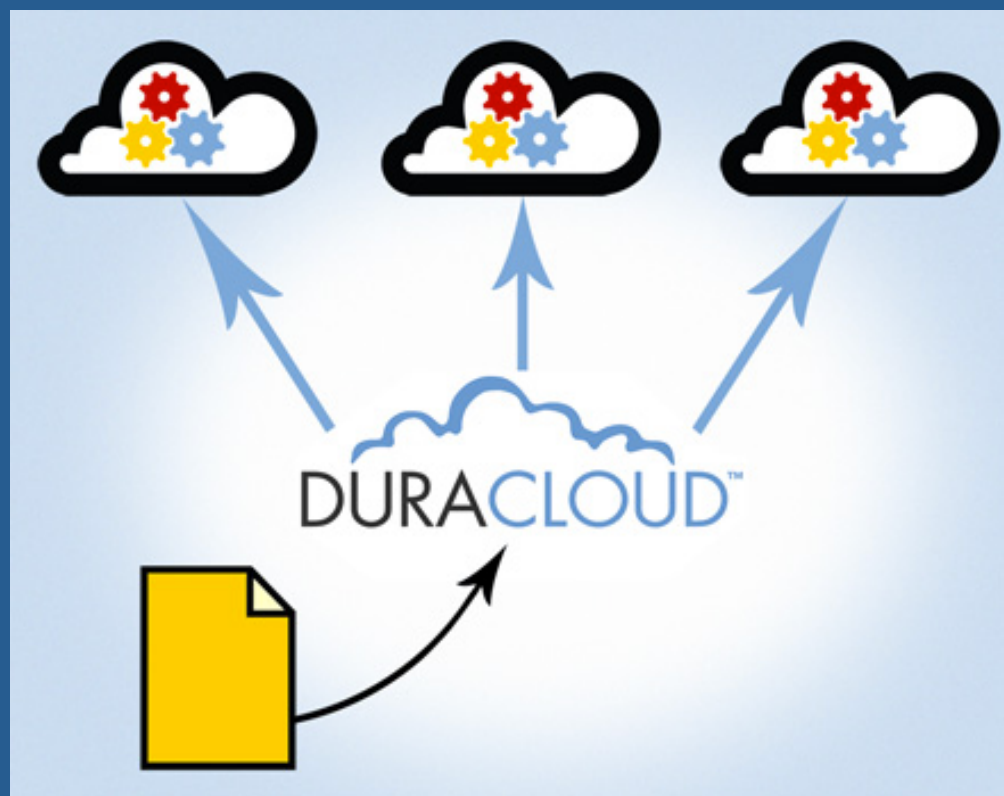
University	Use Case	Repository
Rice U	Preservation	DSpace, meta archive
Hamilton College	Access/international collaboration	Fedora
Northwestern U	Preservation books, audio, image	Fedora
U of PEI	Image access	Fedora/Islandora
ICPSR	Preservation	Fedora
IUPUI	Preservation	DSpace, Content DM
Rhodes College	Image Access	DSpace
North Carolina State U	Preservation	DSpace
CARL	Preservation and Services	Fedora
MIT	Preservation	Dspace
Columbia	Preservation and Services	IA, Fedora

What is DuraCloud?

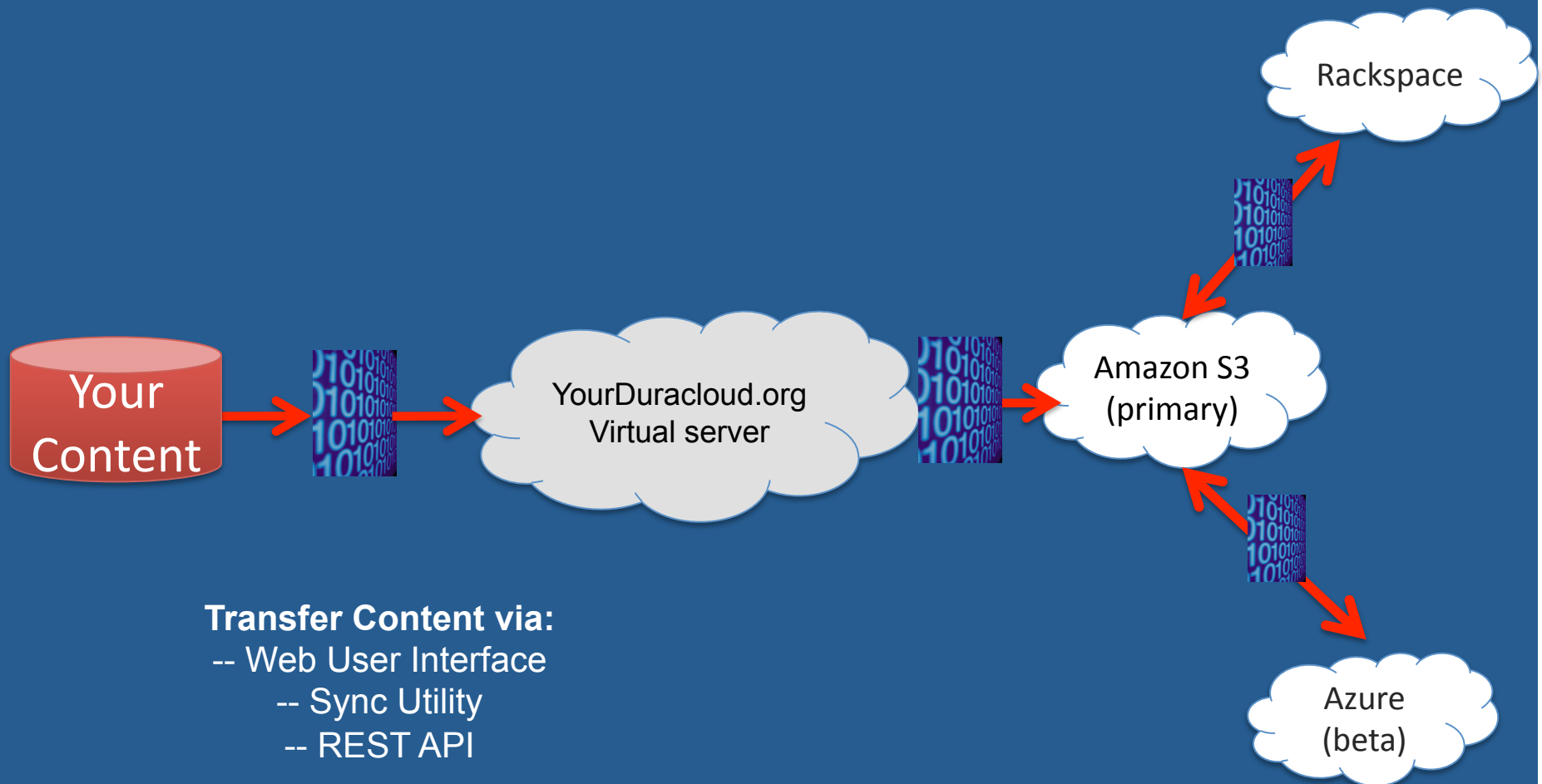
- Open technology *and* managed service that utilizes cloud infrastructure for preservation support and access services

✓ *Upload once and make multiple copies to various storage providers*

✓ *Access anywhere from any Internet connected device*



How does DuraCloud work?



Features

- **Simple:** upload once and make multiple copies to various storage providers
- **Hosted Service:** web-enabled, no client software needed
- **Fully managed solution:** one unified interface across multiple providers
- **Flexible:** built on highly scalable cloud platform
- **Turnkey services:** preservation support and media access
- **Open source platform**

DuraCloud services

Archiving and Preservation



Online Backup(s)
and
synchronization



File Format
Identification



Bit Integrity
Checking



Duplicate and
change on Demand

Multimedia Access



Advanced
Image Viewing



Media Streaming

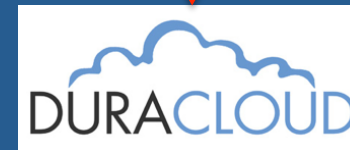
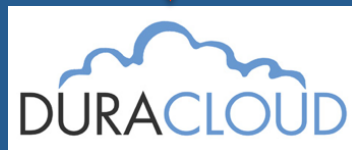


Image
Transformation

...more on the roadmap

Repository software integrations

- DuraCloud is integrated with Fedora and DSpace repository platforms



Islandora, OJS in process

Use case: digital archiving

Use Cases:

- Retrieval of lost files (admin error)
- Replacement of damaged files
- Partial/Full disaster recovery

Preservation services:

- monitoring
- file retrieval
- access
- integrity checking
- replication



Package for each
Community,
Collection & Item



AIP backup



Use case: file/collection retrieval

Use Cases:

- Retrieval of lost files (admin error)
- Replacement of damaged files
- Partial/Full disaster recovery

Preservation services:

- monitoring
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Package for each
Community,
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AIP backup



How can DuraCloud help me?

- ✓ Ability to easily move online copies offsite, distribute geographically
- ✓ Easily check health of remote online copies
- ✓ Easily replace deleted, corrupted or lost files
- ✓ Scale storage up or down as needed
- ✓ Full Web access with ability to view/edit/delete and upload/download your content
- ✓ Ability to stream video files and embed into local applications
- ✓ Provide access to content through simple http link if desired

Pilot partner comments

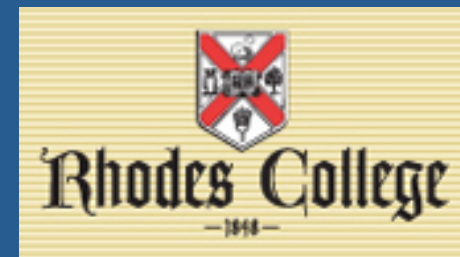
- “The ***ease-of-use*** of DuraCloud is its most impressive feature.”
~Columbia



- “DuraCloud delivers the ***benefits*** of a diverse network of storage locations, but ***without the overhead*** of managing different vendors.”
~ICPSR



- “One of the best things that DuraCloud does is ***bridge the complex gap*** between normal users and cloud-based services, and it does this job very well.”
~Rhodes College



Pricing

Service Plan	Basic archiving	Basic media access	Professional
Monthly subscription fee	\$375	\$375	\$599
Number of accts	5	5	20
Free storage	500 GB	500 GB	1000 GB
Services	archiving	media	all
Additional storage	NA	NA	\$.086-\$.125 per GB*
* Varies by storage provider, up to 50 TB			

Annual invoices also available

What does the fee cover?

- Management and servicing of the DuraCloud software
- Your own hosted instance of Duracloud
- Access to all services offered in Duracloud
- Complimentary software upgrades
- Single Web console for account management
- One invoice from DuraSpace- annual or monthly
- Basic technical support

Commercial Cloud Vendors vs. DuraCloud

Features	Commercial Cloud Vendors	DuraCloud
Online backup	✓	✓
Web access	✓	✓
Ability to transfer content via web	✓	✓
Online Sharing	✓	✓
Media Streaming	✓	✓
Integrated management console		✓
File health checkup		✓
Ability to copy content to multiple cloud providers		✓
Advanced image viewing		✓
Image Transformation		✓
Open source software		✓
Community-share platform		✓

On the roadmap

- Services
 - Improved video handling
 - Search
 - File validation
 - DSpace as a service application
- Storage providers
 - Chronopolis (UCSD)
 - Azure
 - Local Eucalyptus integration

The open source platform

- Available for organizations to run locally
- Requires cloud (commercial or private) infrastructure
- Being tested by several organizations now
- Looking for organizations that want to enable their “software as a service” in DuraCloud
- For more details visit the wiki at:
<https://wiki.duraspace.org/display/duracloud/>

Upcoming Webinars

- ✦ *Using DuraCloud for Archiving and Preservation*
October 26 at 1pm ET
- ✦ *Technical Overview of DuraCloud*
November day/time TBA
- ✦ *DSpace and DuraCloud*
- ✦ *Fedora and DuraCloud*
November/December days/times TBA

Free DuraCloud Trial Accounts



The screenshot shows the DuraCloud website homepage. At the top, the DuraCloud logo is on the left, and links for "DOCUMENTATION | SUPPORT" with social media icons are on the right. Below the logo is a navigation bar with "Overview", "Solutions", "Features", and "Learn More". A search bar is positioned to the right of the navigation bar. The main banner features a colorful map background with the text "Store and do more" in large yellow letters, followed by "ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT" in white. Below this, a section titled "WHAT USERS ARE SAYING" is partially visible. On the left side of the banner, there are three call-to-action buttons: "FIND OUT MORE", "TRY IT" (which is circled in red), and "GET STARTED". On the right side of the banner, there is a video player showing the DuraCloud logo with a large play button in the center. The video player has a progress bar at the bottom showing "00:00 00:00".

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DOCUMENTATION | SUPPORT

Overview Solutions Features Learn More

Store and do more
ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT

WHAT USERS ARE SAYING

FIND OUT MORE

TRY IT

GET STARTED



DURACLOUD™

00:00 00:00

Where can I find out more?

The screenshot shows the DuraCloud website homepage. At the top is the DuraCloud logo and navigation links: Overview, Solutions, Features, and Learn More. A search bar is located to the right of the navigation. The main banner features a colorful mosaic background with the text "Store and do more" in large yellow letters, followed by "ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT" in white. Below this, there's a section titled "WHAT USERS ARE SAYING". On the left, three circular icons with play symbols are labeled "FIND OUT MORE", "TRY IT", and "GET STARTED". To the right of these is a video player showing the DuraCloud logo. The footer contains four columns of links: News and Events, Spotlights, Open Source Community, and Customer Help and Support. At the very bottom, it states "The DuraCloud open technology and hosted service is brought to you by DURASPACE" and includes a small line of text about its funding and licensing.


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DOCUMENTATION | SUPPORT |  


Overview Solutions Features Learn More


Store and do more
ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT

WHAT USERS ARE SAYING

 FIND OUT MORE

 TRY IT

 GET STARTED



News and Events
4-hr Dropbox glitch left a security hole in its #cloud storage service. Any PW could to log into any of 25M user accts http://bit.ly/muPUCE
1 of 78 »

Spotlights
A 19th Century View of Shakespeare Through the Cloud
A Quick Analysis with a Side of Data
Easy Cloud Access for Collection Managers and Curators
One Night in Civil Rights History

Open Source Community
Why Open Source?
Discussion Forum
Documentation
Issue Tracker
Latest Release

Customer Help and Support
Contact Us
Pricing
Newsletter Sign-Up
Documentation

The DuraCloud open technology and hosted service is brought to you by **DURASPACE™**
Powered by Fedora, Islandora and Discovery Garden | Licensed under Creative Commons Attribution-Share Alike 3.0 Unported License | Site Map

- Web site:
www.duracloud.org
- Email:
csmith@duraspace.org

*Contact me if
interested in a
live DuraCloud
demo session.*