DuraCloud for Dummies

Should I stay or should I go [to the cloud]?

~Carissa Smith, DuraSpace
Apologies...

- I wish I could sing... but, sadly, I cannot.
- And I like corny jokes/metaphors, too...
Should I stay or should I go [to the cloud] now?

• Advantages of staying/going
  – If you stay:
    • Potentially cheaper per TB
    • “Complete” control
  – If you go:
    • Easily scalable
    • Pay as you go/use
    • Availability of services to run over content
Should I stay or should I go [to the cloud] now?

• Disadvantages of staying/going
  – If you stay:
    • Locked in to hardware choice
    • Expensive/difficult to scale storage up/down
  – If you go:
    • Unknown changes at any time to:
      – Pricing for storage
      – Services offered
      – Location of storage
      – Service level agreement
Should I stay or should I go [to the cloud] now?

• Risks of staying/going
  – If you stay:
    • At the mercy of central IT/computing providing storage
    • Hardware/network malfunctions
  – If you go:
    • At the mercy of cloud vendor
    • Storage malfunctions
What if I stay [a local solution]?

• Things to keep in mind if you decide to stay:
  – How do you provide geographic distribution of backup copies?
  – How do you ensure all copies are kept synchronized?
  – How do you enable quick retrieval and restoration of some/all of your content in event of data loss/recovery scenarios?
  – How do you ensure the health of all copies on an ongoing basis?
What if I go [to the cloud]?

• Things to keep in mind if you decide to go:
  – How do you transfer content to the cloud?
  – How do you determine and implement a local “workflow to the cloud”?
  – How and what preparations need to take place in order for content/collections to be ready for transfer to the cloud?
You gotta let me know how do I get there [to DuraCloud]?

• Upload through the web interface
You gotta let me know how do I get there [to DuraCloud]?

- Synchronization tool
You gotta let me know how do I get there [to DuraCloud]?

- REST API
You gotta let me know how do I get there [to DuraCloud]?

• DSpace integration
  – Via the Replication Task Suite which is embedded in the DSpace administrative user interface

• Ability to backup/restore:
  – Single items
  – Collections
  – Entire DSpace repository
You gotta let me know how do I get there [to DuraCloud]?

• Fedora integration
  – Via the Cloudsync which is a separate web application accessible through DuraCloud or downloadable/installable

• Ability to backup/restore:
  – Objects
  – Subset of Objects (various queries available)
  – Entire Fedora repository
You gotta let me know how do I get there [to DuraCloud]?

• Archive-It integration
  – Currently in *beta testing* via a separate web application

• Ability to backup
  – Date range within an Archive-It collection(s)
  – Specific Archive-It collection(s)
  – Entire Archive-It account
Always tease, tease, tease [with DuraCloud features]

- Web-based user interface to all content
Always tease, tease, tease [with DuraCloud features]

- Automated health checking
Always tease, tease, tease
[with DuraCloud features]

- Storage reports
Always tease, tease, tease
[with DuraCloud features]

• Media streaming
Always tease, tease, tease
[with DuraCloud features]

- Automatic synchronization among all cloud storage providers
Always tease, tease, tease
[with DuraCloud features]

• Consolidated accounts, management, and billing
Always tease, tease, tease
[with DuraCloud features]

• Superior customer support
What if I’m scared to commit til the end of time?

• Storage provider options
  – Amazon S3
  – Amazon Glacier
  – San Diego Supercomputer Center
  – Rackspace Cloudfiles
What if I’m scared to commit til the end of time?

- Subscription plan options
  - Preservation Basic/Plus
  - Enterprise Basic/Plus
  - All available in 1TB storage increments
What if I’m scared to commit til the end of time?

- Cloud exit strategy
  - DuraCloud can easily move your content between any of the integrated storage providers
  - Not locked in to any one vendor
  - No special content packaging required
  - Can walk away at any time
Not Convinced?

• Not a problem.
• Get started with a free DuraCloud trial TODAY.

More information:
1. http://duracloud.org
2. csmith@duraspace.org
3. http://youtube.com/user/duracloudvideos