



What's the Buzz?

Large Scale Archival & Preservation of Durable Digital Content

- Problem:
 - > Exponential growth of digital content, now and in the future
 - > Powerful, flexible infrastructure required to archive:
 - > Store **unstructured, fixed content**
 - > Search that content **“Content Addressable Storage”**
 - > Preserve that content for the long-term
- Proposed Solution:
 - > Sun StorageTek 5800 *“Honeycomb”*

Honeycomb: a New Category of Storage – Open, Intelligent Content Aware Storage Server



- Optimized to store objects such as large eScience datasets, x-rays, photographs, images, digitized books
- The first object storage system to deliver:
 - > Extensive metadata facilities that describe the object being stored
 - > Architecture that allows to locally process the data objects
- The only commercially available **open** fixed content storage system
 - > Assured access to your data
- Breakthrough data reliability
 - > persistent data protection – MTDDL > 2.4 M years

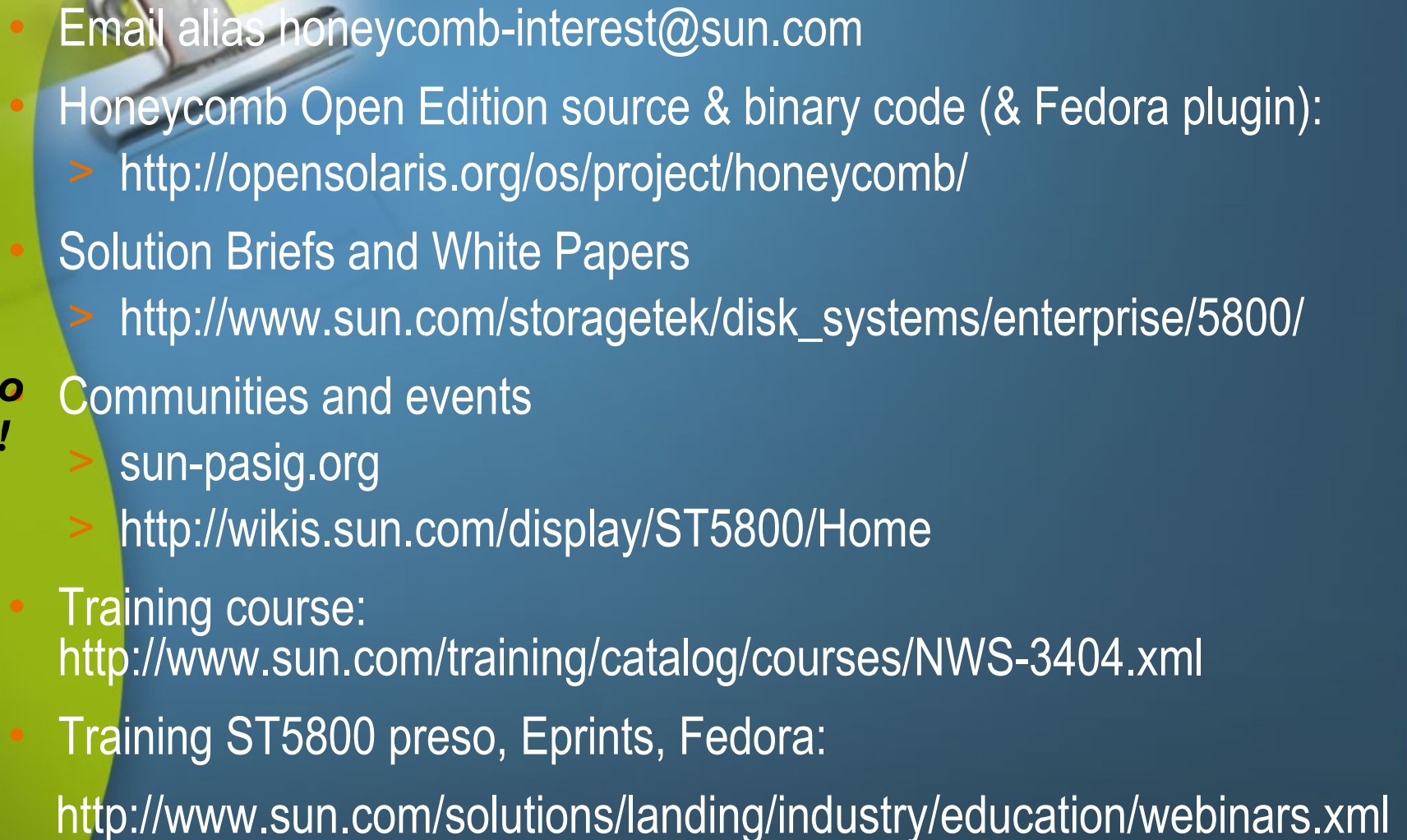
Making the Most of the StorageTek 5800

Integrated open source repository solutions

| Solution | Overview |
|--|---|
| Fedora (fedora-commons.org) | Fedora forms the core of a trusted, preservation-enabled open source repository and is the first designed to work as part of an extensible framework of service components. Fedora is modular, extensible and can place metadata within ST5800. Joint customers include Oxford, Purdue, JHU |
| Dspace (dpace.org) | Dspace is a centralized, electronic repository for the massive amounts of intellectual property created by research institutions. Its open-source storage, retrieval system can include the ST5800; customers include U. Michigan |
| Eprints (eprints.org) | EPrints is an easy to set up electronic publication repository developed at the University of Southampton where integration to the ST5800 has occurred. |
| VTLS VITAL/ Valet (vts.com) | VTLS's VITAL digital library product interfaces with the Fedora open source repository software and is hosted on Solaris 10 and Linux. |

More repository and ECM applications coming....

Resources and More Info

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- Email alias honeycomb-interest@sun.com
 - Honeycomb Open Edition source & binary code (& Fedora plugin):
 - > <http://opensolaris.org/os/project/honeycomb/>
 - Solution Briefs and White Papers
 - > http://www.sun.com/storagetek/disk_systems/enterprise/5800/
 - Communities and events
 - > sun-pasig.org
 - > <http://wikis.sun.com/display/ST5800/Home>
 - Training course:
<http://www.sun.com/training/catalog/courses/NWS-3404.xml>
 - Training ST5800 preso, Eprints, Fedora:
<http://www.sun.com/solutions/landing/industry/education/webinars.xml>

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is in effect!**