Annual Report, January-December 2015

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Debra Hanken Kurtz, Chief Executive Officer

Jonathan Markow, Chief Strategy Officer
In 2015, our organization continued to lead advances in building community and technical capacity in support of the research and scholarly information ecosystem.

INFOGRAPHIC: Financial Highlights & Membership in 201

A MORE sustainable organization; more members.

MORE organizational growth.

MORE opportunities to represent our members’ joint interests.

MORE successful conferences and meetings fostering collaboration and the exchange of ideas.

MORE ways to share information and opportunities with our global communities.

INFOGRAPHIC: DuraSpace Impact

MORE community supported open source software innovation.

INFOGRAPHIC: DSpace in 2015

INFOGRAPHIC: Fedora in 2015

INFOGRAPHIC: VIVO in 2015

MORE value-add hosted services meeting the needs of scholarly and scientific communities.

INFOGRAPHIC: Hosted Services Highlights


Appendix A

2015 DuraSpace Profit & Loss Statement

Appendix B

2015 Profit & Loss Statement By Project
In 2015, our organization continued to lead advances in building community and technical capacity in support of the research and scholarly information ecosystem.

**DuraSpace continued to advance software development of DSpace, Fedora and VIVO.** The organization led and participated in innovative initiatives on behalf of our growing community of DuraSpace members, and for the broader research and scholarly information communities who share our organizational commitment to access, preservation, and representation of our digital cultural and scientific heritage.

The following summary and accompanying infographics provide updates on organizational progress and current initiatives of the DuraSpace organization, which provides open source technologies and services that promote persistent and durable access to digital content. In 2015, the organization focused on strengthening community supported open source software, building community capacity to take advantage of innovative scholarly ecosystem solutions and widening the adoption of DuraSpace hosted services.

DuraSpace continues to diversify its funding sources and execute its business model in order to achieve sustainability. Memberships, revenue based services and grant funded partnerships contribute income to the organization (see appendix).

**A MORE sustainable organization; more members**

**By growing the financial and community resources** of DuraSpace, our members have ensured that we have the ability to be effective stewards of the DSpace, Fedora, and VIVO open source projects. A companion suite of hosted cloud services provide long term digital preservation and management for institutions concerned with protecting key scholarly assets. The DuraSpace combination of membership revenue and hosted services sustains our organization while also making it accountable to our deeply engaged community of stakeholders and collaborators.
Financial Highlights & Membership in 2015

**Income Sources**
Income for 2015 was up by 13% or $207,684 over prior year. Roughly half of this increase was driven by additional cloud service revenue and the other half was due an increase in other revenue.

- Community Fundraising: $1.171M*
- Grants: $40k
- Other Revenue: $114k
- Cloud Services: $505k

*Includes revenue from:
- Membership
- Registered Service Providers
- Corporate Sponsors

**Expenses**
Expenses for 2015 were up 5% or $103,543 over prior year. This was primarily due to an increase in outsourced contractors.

- Staff: 79%
- Indirect: 2%
- Support Services: 3%
- Marketing and Communications: 5%
- Cloud Storage: 6%
- Travel: 6%

**Steady Growth in Support**
DuraSpace has cultivated a steady growth in numbers of Members and Corporate Sponsors from 80 in 2011 to 154 in 2015. Engaging directly with each project community through project governance has grown funds and also increased the commitment of organizations and individuals who are passionate about our open source projects.

Sources: DuraSpace financial records (internal), Membership campaign statistics 2011-2015
MORE organizational growth

This past year was marked with a positive executive transition, expansion of the DuraSpace user and hosted services customer base, a new service offering and continued open source software releases:

- **Executive team** A smooth CEO transition from Michele Kimpton to Debra Hanken Kurtz took place in March. Hanken Kurtz was formerly the Executive Director of the Texas Digital Library. The addition of Dr. Mike Conlon as the VIVO Project Director brought strong leadership and strategic direction to the VIVO Project.

- **Users** DSpace, Fedora and VIVO users grew worldwide. Currently 2,442 organizations or institutions have implemented DSpace (1,974), Fedora (331) or VIVO (133).

- **New service offering** ArchivesDirect, a hosted service offered by DuraSpace in partnership with Artefactual Systems for creating standards-based digital preservation content packages that are archived in secure long-term storage, was launched in February of 2015. Development of DuraCloud Vault, the first Digital Preservation Deposit node continued through 2015.

- **New feature releases** DSpace, Fedora, VIVO each released new versions during the year, continuing to advance all three open source platforms, working in tandem with our members to coordinate and prioritize features and functionality.

MORE opportunities to represent our members’ joint interests

Our active leadership of, and participation in national and international initiatives gives our members a voice in advancing strategic projects and initiatives. In 2015 we contributed to several new initiatives.

- **Hydra Project** In 2015 DuraSpace served as a fiscal sponsor for the Hydra Project in order to facilitate banking, legal and administrative functions. The Hydra Project is strategically aligned with DuraSpace in meeting community needs by providing a flexible front end for Fedora. Hydra is a platform that may potentially serve the needs of community members looking to migrate content from other repository platforms.
- **Hydra-in-a-Box** The Digital Public Library of America (DPLA), Stanford University, and the DuraSpace organization were awarded a $2M National Leadership Grant from the Institute of Museum and Library Services (IMLS) in 2015 to foster a new, national, library network through a community-based repository system, enabling discovery, interoperability and reuse of digital resources.

- **Digital Preservation Network (DPN)** The Digital Preservation Network (DPN) is the only large-scale digital preservation service that is built to last beyond the life spans of individuals, technological systems, and organizations. DuraSpace developed the DuraCloud Vault service with Chronopolis in 2015 and released it in January of 2016 as the first ingest pathway into the Digital Preservation Network.

- **We participate in the SHARE (Shared Access to Research Ecosystem),** a higher education initiative whose mission is to maximize research impact by making a comprehensive inventory of research widely accessible, discoverable, and reusable, and NDSA (National Digital Stewardship Alliance), a program of the Digital Library Federation (DLF), at the Council on Library and Information Resources (CLIR) national initiatives.

MORE successful conferences and meetings fostering collaboration and the exchange of ideas

- **Open Repositories Conference 2015** DuraSpace is a long-time conference sponsor and participant in the organizing committee for the annual international open repositories conference which showcases formative technologies and best practices from a community of more than 500 OR 2015 delegates representing scholarly communities from around the world.

- **VIVO Conference** DuraSpace helps to support the annual VIVO conference featuring the work of VIVO enthusiasts from the United States and Europe. More than 180 delegates attended the VIVO 2015 Conference.

- **DuraSpace Summit** Our members and project leaders meet in Washington DC each year to review the DuraSpace organization’s progress towards advancing open source projects, discuss annual project strategies and learn more about strategic trends in the emerging scholarly ecosystem.
MORE ways to share information and opportunities with our global communities

**DuraSpace continued to distribute news and information** in support of open source partnerships and community led software innovations with social media, email publications, targeted messaging, web sites, web seminars, printed materials and outreach at national and international conferences. Collaborative marketing and outreach activities increased community engagement with DuraSpace and highlighted DuraSpace’s role in the digital scholarly ecosystem as the digital preservation go-to place for community source software, solutions, and services.

- In a communications initiative aimed at sharing DuraSpace news and information more widely with our spanish-speaking community, the first issue of *DuraSpace Informe* was published in October of 2015. This bi-monthly publication is distributed to 400+ spanish-speaking users primarily in countries outside of North America. Spanish-speaking users of DSpace, Fedora and VIVO open source technologies can now share and receive news and information in Spanish by subscribing to *DuraSpace Informe*, following DuraSpace Noticias, a DuraSpace Spanish language twitter channel (#dura_noticias), and signing up for the Spanish language Duraspace google group: duraspace-espanol@googlegroups.com.

- Two additional newsletters, the monthly *Fedora Newsletter* and the quarterly *Services Newsletter* premiered in 2015.

- Six *DuraSpace Quickbytes*, 3-minute videos focused on current community topics of interest, were published on YouTube in 2015.
DuraSpace Impact

More visits to DuraSpace Web Sites

In 2015 websites DuraSpace, DSpace, FedoraRepository, DuraCloud, DSpaceDirect, and ArchivesDirect were visited over 910,000 times. Total number of visits increased by 26% over six years.

More Users of DuraSpace Open Source Software

Our open source software is used by institutions worldwide. Collectively there are over 2,400 installations of DSpace, Fedora and VIVO in over 125 countries.

More DuraSpace Newsletter Subscribers

In 2015 three publications were added for a total of five: DuraSpace Digest, DuraSpace Informe, the Member Newsletter, the Fedora Newsletter, and the Services Newsletter, sent to more than 7,000 community members to deliver organizational news and event information, and promote engagement.

More Twitter Followers

Effective use of social media provides an opportunity to share news, events and opinion with our global communities. With six Twitter channels our followers continue to grow.
MORE community supported open source software innovation

**DSpace**

In 2015 the DSpace project presented an ambitious new road map responding to input from community stakeholders solicited from the global DSpace community of 1,900+ users in over 120 countries over several months. The plan includes a major initiative to develop a unified, modern user interface architecture and design. At the same time, working groups formed by members of the Steering and Leadership groups have begun new marketing and communication activities in an effort to increase participation and members from the global community.

**Fedora**

A focus on growth in Fedora membership and new training opportunities were highlights of 2015. Collaboration with a strong, committed community of supporters who contributed financial resources as well as developer time resulted in 5 major versions of Fedora 4 releases in 2015. Currently 40 Fedora 4 installations are in various states of testing, development, and production.

Our commitment to providing high quality training included educating trainers from the broader community who share our passion for advancing the innovative use of the Fedora 4 repository platform. The Fedora team delivered 15 workshops to over 400 people in 2015, exceeded the annual membership revenue goal of $560,000, and held the first-ever Fedora Camp for 40 attendees at Duke University.

**VIVO**

A focus on VIVO technical and engagement themes in 2015 resulted in more participation, improved communications and project governance. Increased adoption led to the implementation of several new VIVO sites.

The VIVO community made progress towards strengthening open source best practices and technical development by adding both a project director and a technical lead in 2015. Dr. Mike Conlon joined DuraSpace in March as VIVO Project Director and Graham Triggs became VIVO’s first technical lead in July. Together they have released two updated and improved versions of VIVO in 2015. There are now 133 VIVO implementations in 33 countries.
DSpace in 2015

**Milestones**

- Community-developed road map released at OR2015 prioritizing features
- Steering and Leadership Groups released a 3-year strategy plan prioritizing DSpace product goals
- The DSpace Marketing Interest Group developed a detailed product analysis and strategic marketing plan to guide working groups
- UI Prototype Design Challenge launched with broad community participation to select the next UI technology platform to modernize DSpace for future innovation
- Six DSpace Stories of community adoption and innovation released by the Telling DSpace Stories Task Force

**DSpace by the numbers**

- **1974+** Number of global DSpace users
- **120** Countries represented by DSpace users
- **57** Average number of DSpace contributors who helped develop and release new versions of DSpace software in 2014 - 2015
- **12** Years that DSpace has been freely available as community-developed open source software

**DSpace Adoption Growth**

DSpace continues to be the dominant digital repository software in the world, with the most number of repositories of any software—open source or commercial. The broad adoption of DSpace is a testament to how easy it is to set up and use out-of-the-box.
## Fedora in 2015

### Milestones
- 5 Major Fedora 4 software releases
- Began working with community trainers who share our passion for Fedora 4
- Developed strategy for ongoing software maintenance.
- Launched a monthly Fedora Community Book Club aimed at introducing a discussion forum on topics related to Fedora development. The first session was led by authors of "Semantic Web for the Working Ontologist."

### Fedora by the numbers
- **$563,750**
  - Membership revenue for 2015 exceeding target of $560,000
- **400+**
  - Number of attendees trained at hands-on Fedora workshops
- **40**
  - Number of attendees at the first-ever Fedora Camp

### Fedora Members, 2014 and 2015
Community energy and advances represented in the release of Fedora 4.0 inspired new members to join the Fedora Project in 2015.

<table>
<thead>
<tr>
<th>Year</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>63</td>
</tr>
<tr>
<td>2015</td>
<td>76</td>
</tr>
</tbody>
</table>

### Focus on Training
Fedora project leaders responded to community requests in 2015 by developing more training programs.

<table>
<thead>
<tr>
<th>Workshops</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>60</td>
<td>400</td>
</tr>
</tbody>
</table>

*Source: DuraSpace Zoho, Fedora Wiki, [https://wiki.duraspace.org/display/TS/Fedora+Repository+Home](https://wiki.duraspace.org/display/TS/Fedora+Repository+Home)*

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DuraSpace 2015 Annual Report
VIVO in 2015

Milestones

- Welcomed Mike Conlon, Project Director and Graham Triggs, Tech Lead
- Released VIVO 1.8.1—50% faster, with all new graphics
- Created a charter, a strategic plan and a roadmap for future development
- Launched a new website, new email lists, a registry and an improved wiki
- Hosted a great VIVO 2015 Conference in Cambridge, MA with 180 attendees

VIVO by the Numbers

- 34
  Number of Leadership Group, Steering Group and Committer Group members volunteering their time to VIVO

- 133
  Number of VIVO sites around the world

- 2.3M
  VIVO is used to represent over 2.3 million scholarly works.

- 10
  VIVO community members self-organized 10 task forces in 2015, leading to improvements in software, documentation, community engagement and data to be used with VIVO.

Where Does VIVO Live in the Organization?

VIVO lives in many offices of organizations, often in libraries, but also in provost’s offices, research offices and other departments and business units.
MORE value-add hosted services meeting the needs of research and scholarly information communities

**Advances in the DuraSpace suite of hosted services** can be summarized in one word: expansion. In response to a recognized need in the community, ArchivesDirect was launched in February 2015 to provide institutions with a path to create standards-based packages of digital materials and store them in a secure, long term preservation storage environment. The existing services, DuraCloud and DSpaceDirect, saw 35% growth rate in the customer base. And in the winter of 2015, DuraCloud Vault, a primary ingest pathway for Digital Preservation Network members, was launched in beta with plans for a full launch in early 2016.

- Launch of ArchivesDirect, the third service in the suite of DuraSpace services, providing an archival workflow and processing front-end to DuraCloud
- Upgrade of DSpaceDirect service to DSpace 5.x software, including new features such as batch upload through the web interface, enhanced thumbnails, more Google Analytics data
- Soft launch of DuraCloud Vault for Digital Preservation Network (DPN) Members, one of the primary pathways for adding content to the Digital Preservation Network
- Extended secure media streaming capabilities in DuraCloud
Hosted Services Highlights

Milestones
- The DuraSpace hosted services customer base increased by 32%
- 4 major DuraCloud software releases
- More than 220 TB of content currently preserved in DuraCloud
- Launched ArchivesDirect service in collaboration with Artefactual
- Developed DuraCloud Vault in collaboration with Chronopolis—first Digital Preservation Network (DPN) deposit node

Customer Outreach
In 2015 the DuraSpace hosted services customer support team introduced new community members to the easy-to-use and affordable suite of DuraSpace services through one-on-one customer engagement.

More Global Inquiries
In 2015 DuraSpace received 96 inquiries regarding the availability of DuraSpace hosted services from 40 countries outside of North America.
A new direction in 2016

On January 27, 2016 the Boards of LYRASIS and DuraSpace, unanimously approved an "Intent to Merge". At this time each organization's Board of Directors' exploratory committees are soliciting community feedback and and conducting financial and legal due diligence investigations to determine the feasibility of bringing the organizations together. The investigation process will contribute to a planned joining of the organizations rather than an acquisition of either.

It is anticipated that joining with LYRASIS will build organizational capacity to advance the interests of our community: strategic open source product development and deployment; end-to-end access and preservation solutions; support for emerging scholarly ecosystem initiatives, and; more benefits and greater value for our members and our communities.

Each organization is committed to providing regular community updates on how the merger is progressing and to finalize next steps at the earliest possible date. Membership and associated current benefits in DuraSpace will remain the same for a minimum of one fiscal year and the annual membership campaign will launch as planned on April 1, 2016. There will be no disruption in directed funding or associated governance benefits.

Feedback on the intent to merge the DuraSpace and LYRASIS organizations is welcome at synergy@duraspace.org.

The DuraSpace organization looks forward to bringing new opportunities and greater value to members in 2016 building on a solid record of progress and community service and collaboration since 2008. During the past year our organization has made great strides towards deeper engagement with our open source project communities while providing more hosted service opportunities in service to the research and scholarly information ecosystem.
Appendix A

2015 DuraSpace Profit & Loss Statement
(unaudited)

<table>
<thead>
<tr>
<th>Service Revenue</th>
<th>$347,413</th>
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<tr>
<td>Project Work</td>
<td>$157,834</td>
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<tr>
<td>Membership</td>
<td>$1,136,667</td>
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<tr>
<td>Registered Service Provider Fees</td>
<td>$31,645</td>
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<td>Grants</td>
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<tr>
<td>Other Income</td>
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<tr>
<td><strong>Total Income</strong></td>
<td><strong>$1,821,865</strong></td>
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<tr>
<td>Staff</td>
<td>$1,557,112</td>
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<tr>
<td>Travel</td>
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<td>Support Services</td>
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<td>Cloud Storage</td>
<td>$119,138</td>
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<tr>
<td>Marketing/Communications</td>
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<td>Indirect Expenses</td>
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<td><strong>Total Expenses</strong></td>
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<tr>
<td><strong>Total Profit/-Loss</strong></td>
<td><strong>-$167,668</strong></td>
</tr>
<tr>
<td><strong>FTEs</strong></td>
<td>11.56</td>
</tr>
</tbody>
</table>

*2015 Profit/Loss improved over prior year by $95,842

**FTEs includes staff and contract developers
Appendix B

2015 Profit & Loss Statement By Project
DSpace
(unaudited)

<table>
<thead>
<tr>
<th>Revenue</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Membership</td>
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<td>Registered Service Provider Fees</td>
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<tr>
<td>Other Income</td>
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<tr>
<td>Total Income</td>
<td>$280,481</td>
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<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
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<tbody>
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<td>Staff</td>
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<tr>
<td>Travel</td>
<td>$12,100</td>
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<td>Support Services</td>
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<td>Cloud Storage</td>
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<td>Indirect Expenses</td>
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<td>Total Expenses</td>
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**Total Profit/-Loss**  
- $16,200

**FTEs***  
1.76

*FTEs includes direct staff which include individuals or portions of individuals working the project specifically as well as an allocation of Common Good staff; DSpace FTEs include: 0.76 Tech Lead, 0.36 Marcom/Membership/Executive and 0.64 Common Good
### 2015 Profit & Loss Statement By Project

**Fedora**

(unaudited)

<table>
<thead>
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<th>Category</th>
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<td>Membership</td>
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<td>Other Income</td>
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<td><strong>Total Expenses</strong></td>
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<tr>
<td><strong>Total Profit/-Loss</strong></td>
<td><strong>$89,150</strong></td>
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<tr>
<td><strong>FTEs</strong></td>
<td><strong>2.87</strong></td>
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*FTEs represent direct staff which include individuals or portions of individuals the project specifically as well as an allocation of Common Good staff; Fedora FTEs include: 1.0 Project Lead, 1.0 Tech Lead, 0.24 Marcom/Membership/Executive and 0.64 Common Good*
### 2015 Profit & Loss Statement By Project
#### VIVO
(unaudited)

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<th>Description</th>
<th>Amount</th>
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<tr>
<td>Registered Service Provider Fees</td>
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<td>Grants</td>
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<td>Other Income</td>
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<td><strong>Total Income</strong></td>
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<td>Staff</td>
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<td>Travel</td>
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<td><strong>Total Expenses</strong></td>
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<tr>
<td><strong>Total Profit/‐Loss</strong></td>
<td><strong>-$128,306</strong></td>
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</table>

**FTEs***  
2.70

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*FTEs represent direct staff which include individuals or portions of individuals the project specifically as well as an allocation of Common Good staff; VIVO FTEs include: 1.0 Project Lead, 0.33 Tech Lead, 0.38 Contract Developer, 0.36 Marcom/Membership/Executive and 0.64 Common Good