Summary
With your support our organization took significant steps forward in 2018.

DuraSpace and the communities it serves are alive with ideas and innovation. Our team strives to meet the needs of the ever-expanding scholarly ecosystem that connects us all. Our international community of practitioners, strategic partners, and service providers continued to contribute to the growth, advances and adoption rate of DSpace, Fedora and VIVO in 2018. In addition, DuraSpace hosted services growth is lowering the barrier of entry for organizations who want to deploy open source technologies with the assistance of a not-for-profit. We are grateful for our community’s financial support, and for their engagement in the enterprise we share as we work together to provide enduring access to the world's digital heritage

2018 Net Income or 2018 Financial Results

<table>
<thead>
<tr>
<th>Income</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Revenue</td>
<td>$587,800</td>
</tr>
<tr>
<td>Project Work</td>
<td>$130,449</td>
</tr>
<tr>
<td>Membership</td>
<td>$1,092,899</td>
</tr>
<tr>
<td>Registered Service Provider Fees</td>
<td>$43,922</td>
</tr>
<tr>
<td>Grants</td>
<td>$11,436</td>
</tr>
<tr>
<td>Other Income</td>
<td>$38,640</td>
</tr>
<tr>
<td><strong>Total Income</strong></td>
<td><strong>$1,905,145</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff &amp; Contractors</td>
<td>$1,331,120</td>
</tr>
<tr>
<td>Support Services</td>
<td>$59,349</td>
</tr>
<tr>
<td>Cloud Services</td>
<td>$190,770</td>
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<tr>
<td>Office Expences</td>
<td>$48,684</td>
</tr>
<tr>
<td>Travel</td>
<td>$115,851</td>
</tr>
<tr>
<td>Marketing &amp; Meetings</td>
<td>$45,748</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$1,791,521</strong></td>
</tr>
</tbody>
</table>

**Total Net Income/-Loss** $113,624
DuraSpace’s financial position at the end of 2018 remains strong, with net income of $114K. As anticipated, overall revenue was lower than prior year by 11% or $255K, with partially offsetting expense savings of 6.5% or $132K.

As expected, the largest revenue shift of $266K was driven by the end of the IMLS Hydra-in-a-box Grant work in December 2017. Membership revenue continued to show the financial support from our community is stable year over year, at $1.1 million. While the number of members grew from 159 in 2018 to 197 in 2018, there was a shift from the higher membership levels (Platinum/Gold were down 2 members) to the lower levels (Silver & below were up 40 members). In other revenue categories there was a shift from our Cloud Services offerings DuraCloud, DuraCloud Vault, DSpaceDirect, and ArchivesDirect, which together were down $46K, towards more consulting and contract services, which were up by $69K. The re-calibration of our DuraSpace Service Provider program yielded a modest increase of $10K in additional revenue, and clarified our service partner relationships. The DuraSpace 2018 expenses savings were driven by a 0.5 lower headcount over prior year as well as savings in travel expenses.

**Cash Trends, 2015-2018**

DuraSpace ended 2018 in our strongest cash position in recent history, with over a million dollars in the bank.
Elements of 2018 DuraSpace Strategic Focus

International Outreach and Community Development

DuraSpace prioritized expanding membership and engagement beyond North America—as a key strategic goal in 2018. With over 3,000 DSpace, Fedora and VIVO users worldwide, it is a top priority for the organization to make sure that the needs and ideas of those users are listened to and well represented.

DuraSpace has supported the creation of regional community user groups to help users in different regions cooperate to share knowledge and skills. We signed collaboration agreements with euroCRIS, COAR and OpenAIRE to support the cooperation of our communities and help define the scholarly ecosystem of the future.

DuraSpace members increased from 159 in 2017 to 197 in 2018. DuraSpace Membership in 2018 represents 24 Countries and 197 Members.
Even more important is the distribution of the membership: if in 2017 there were 17 countries represented in DuraSpace, at the end of 2018 there were 24.
Looking Forward

DuraSpace technologies have become core infrastructure in the delivery of patron and institutional services. With this success comes higher standards for quality, interoperability, maintenance, and innovation. The needs of our communities are rapidly changing. We are looking to increase the capacity of our communities to meet those needs.

In the last 18-months, the scholarly ecosystem witnessed consolidations in the for-profit space. These consolidations increase the risks of being a small, standalone non-profit. In this rapidly changing environment, we are looking to other non-profit organizations in our field to find ways to collaborate instead of compete.

On March 12, 2019, DuraSpace and LYRASIS announced plans to merge into one, dynamic organization empowered to help drive scalable change, new technologies and services. The new organization will be an on-ramp to a worldwide collaborative community of more than 4,000 institutions and 9 open source community supported technology programs across six continents. We will work together to build capacity in the scholarly ecosystem through open technologies, services, funding opportunities, expertise, training, and support. The target effective date for the merger is July 1, 2019.
2018 was a year of progress toward the key community priority of developing and releasing DSpace 7 with a new, single Angular user interface and enhanced REST API. The technical roadmap for 2018 focused on DSpace 7 development.

Plans for a Preview and Beta releases of DSpace 7 with support for entities are on track for 2019.

At the end of 2017 the DSpace community identified the increasing strategic importance of Current Research Information Systems (CRISs) and Institutional Repositories (IRs). During 2018 the DSpace Entities Working Group investigated solutions that would enable DSpace to support and manage entities. Based on the work of the DSpace Entities Working Group, the DSpace Steering Group strongly recommended that the DSpace 7 data model be expanded to support new configurable object types (entities) to provide these benefits: alignment with the COAR Next Generation Repositories recommendations (especially around identifiers, e.g. ORCID), compliance with OpenAIRE v4 guidelines, and ensuring that DSpace stays current and competitive with other repository solutions while being interoperable with existing research information systems.
The DSpace project has seen a tremendous increase in engagement and participation of its global community during the course of 2018.

Our registry shows us that there are over 2500 installations of DSpace around the world, making it the most widely adopted open source repository solution in the world.

The international community of DSpace is now reflected in the Governance of the project consisting of 22 leaders representing 10 different countries.

Membership also experienced international growth, moving from 59 to 86 members and broadening the global representation.

Not only the members community has been more engaged, but also the users community. Thanks to the collaboration with important members and partners, there are two new official User Groups, one in Peru (coordinated by CONCYTEC, the Peruvian National Council for Science, technology and Innovation, a new DSpace member) and another one in Brazil (coordinated by a new DSpace Certified Contributor) and more are joining the community.
The Fedora community released Fedora 5.0.0 in December of 2018, completing a major technical goal for the year. Fedora 5.0.0 represents alignment with the new Fedora API specification and the adoption of semantic versioning. This release was made possible through the sustained efforts of the technical community with support from their institutions, most notably:

- Peter Eichman, University of Maryland
- Mohamed Mohideen Abdul Rasheed, University of Maryland
- Ben Pennell, UNC Chapel Hill
- Bethany Seeger, Amherst College
- Longshou Situ, University of California, San Diego
- Jared Whiklo, University of Manitoba

The list of DuraSpace members supporting Fedora continued to grow in 2018, particularly internationally. We welcomed the Islandora Foundation (Canada), the Library of the Czech Academy of Sciences (Czech Republic), the National Institute for Materials Science (Japan), Ruhr-University Bochum (Germany), Universite Catholique de Louvain (Belgium), University of Graz (Austria), and University of Vienna (Austria) aboard as new members, bringing the total up to 75.
The Fedora community continues to engage in a variety of events each year, including user group meetings, workshops, training camps, and participation in Islandora and Samvera community events. User groups in the Washington, DC area, the Midwest, and the South Central states each held meetings in 2018, while a new German-speaking user group held their second, informal meeting in Bonn in November during the SWIB conference. These groups provide great opportunities for regional Fedora users to meet and share their work, find collaborators, and grow the local Fedora community.

We held seven workshops attended by over 150 people in 2018. Fedora Camps are 3-5 day in-depth training events that take place twice per year. Camps provide hands-on, deep dive training coupled with opportunities to ask questions and get answers from experts in the community. We held Fedora Camps at the NASA Goddard Space Flight Center and the Berlin State Library in 2018, the latter of which was a combined Fedora and Samvera camp.
Last year, VIVO held the first community technology sprint, the first newcomers sprint, and offered the first community-developed release. VIVO set new records for issues addressed, and for community participation in development. New efforts in ontology, front-end development, modularization, architecture, and documentation provided a strong foundation for 2019. VIVO added new APIs for data distribution and triple pattern fragments improving VIVO as an open solution for collecting and managing open metadata for research information management, expert finding, and faculty profiles.

The VIVO community had record growth in 2018. VIVO sites increased by 12%, members went up 13%, Twitter followers were up 24%, and contributors increased by 100%. VIVO has collaborative efforts with CD2H, CASRAI, RDA, Research Graph, and GoFAIR. More than 30 VIVO presentations and events were held in Germany, Denmark, India, China, Cuba, the Netherlands, Canada, the US, Sweden, and Botswana. Two VIVO training camps, taught by community members, were held in San Diego and New York.
HOSTED SERVICES

In 2018 DuraSpace hosted services staff focused on projects to increase the strength and sustainability of the services. Several initiatives were aimed at increasing community support for the DuraCloud open source project:

- DuraSpace Staff were accepted into the 2018 cohort of the Mozilla Open Leaders program, with the project “Open Sourcing DuraCloud: Beyond the License.” As part of this project, a community contribution model was developed.
- DuraCloud contributors from DuraSpace, The Texas Digital Library, and 4Science began meeting monthly to collaborate on the development of the software and related documentation and features.
- DuraCloud 5.0 was released, which integrates HTTP Live Streaming for files stored in DuraCloud.
- DuraSpace and the University of Toronto Libraries in collaboration with Scholars Portal and COPPUL (Council of Prairie and Pacific University Libraries) announced a new joint project “DuraCloud Canada: Linking Data Repositories to Preservation Storage.” The project will connect preservation storage services to research data preservation in Canada through a common deposit layer based on DuraCloud software.
Other services developments and initiatives included:

- New DuraCloud pricing for subscriptions that include more than 20TB of storage. The new pricing increases transparency and makes it easier for institutions to plan for preservation storage growth.
- ArchivesDirect, offered in partnership with Artefactual Systems, had its most successful year ever with total customer growth of 150% including new customers from the museum, higher education and private archive sectors.
- DSpaceDirect saw customers increase by 19%, with particular interest from small nonprofit organizations organizing new repositories.
- DuraSpace staff partnered with Digital Divide Data (DDD) to mentor students in DDD’s Cloud Academy and undertake a project to explore how to improve the deployment and administration of DSpaceDirect on AWS infrastructure.

![Hosted Services Customer Growth](image-url)
ENGAGEMENT

DuraSpace set internationalization—expanding membership and engagement beyond North America—as a strategic goal. In 2018 DuraSpace joined with many other institutions, consortia, and organizations at events in Europe and South America.

User Groups

FEDORA
- Australasian Fedora Users
- EU Fedora Users
- UK & Ireland Fedora Users
- Mid-Atlantic Fedora Users
- Midwest Fedora Users
- Northeast Fedora Users
- South Central States Fedora Users
- Washington D.C. Area Fedora Users

DSPACE
- German DSpace User Group
- Grupo Brasileiro de Usuários DSpace (Brazilian DSpace User Group)
- Grupo Peruano de Usuarios de DSpace (Peruvian DSpace User Group)
- UKUsergroup

Open Repositories Conference 2018, Bozeman, Montana
- 1-day Fedora Workshop
- DSpace Rest API: Getting Started with the DSpace 7 REST API
- DSpace 7 Angular UI: Getting Started with the DSpace 7 Angular UI

VIVO Conference, Duke University, Durham, NC
Co-sponsored workshops

- DuraSpace-euroCRIS Interoperability Event: DSpace and CRIS Systems Workshop, Umeå, Sweden
- DSpace Workshop hosted by CONCYTEC—the Peruvian National Council for Science, Technology and Innovation Conference, Arequipa - July 18, 2018
- DSpace Anwendertreffen, hosted by The Library Code and the Universitätsbibliothek der Technischen Universität Berlin, Berlin - September 13, 2018
- DSpace Indian User Group meeting, hosted by Dsquare Technologies and the Indira Gandhi National Centre of Arts, New Delhi - December 3, 2018

Camps

- Fedora Camp Atlanta, May 20-22, 2019
- Fedora Camp at NASA, May 16 - 18, 2018
- VIVO Camp, Columbia University, New York City, NY, Nov 2018