“When I click on it, it should work!”
The why and how of integrating long-term digital preservation with DSpace

Tom Lynam, Arkivum
The next 15 minutes...

• Introductions
• Why care about digital preservation and safeguarding?
• What is Perpetua and how it integrates to DSpace including workflows
• Use case of the integration
• Questions
01

Introductions
About me

• Marketing Manager at Arkivum
• Worked in both the UK and Australia across marketing and product management
• Experience in tech, professional services and professional education organisations
Arkivum provides a hosted solution for making digital content safe, secure, accessible and usable for the long-term.

<table>
<thead>
<tr>
<th>2011</th>
<th>100+</th>
<th>3</th>
<th>20+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company founded</td>
<td>Customers</td>
<td>Supporting Investors</td>
<td>Employees UK, US</td>
</tr>
<tr>
<td>3</td>
<td>&gt;10</td>
<td>&gt;95%</td>
<td>&gt;50%</td>
</tr>
<tr>
<td>Go to Market Partners</td>
<td>Petabytes under mgmt</td>
<td>Customer renewal rate</td>
<td>ARR growth rate</td>
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02
Digital Preservation & Safeguarding
This is not effective long-term data management...
What is and isn’t long term data management

“Data preservation means more than just making a backup copy of your data; it means protecting your data in a secure environment for long-term access and reuse.”

– Stanford University
Digital Safeguarding

- Avoid siloes
- Secure storage
- Data degradation
- Migration
- Secure access
- Compliance
1,600+

File formats listed on Wikipedia alone...
as of last week
The recipe for digital preservation

Accessibility

Searchability

Usability
03
Perpetua & DSpace
Long-term data management with Perpetua

- Collect
- Preserve
- Safeguard
- Discover
Open Systems, Integrations and Interoperability
DSpace and Perpetua Integration

Data Producer (e.g. Researcher) → Discovery

1. Create/upload dataset
2. Publish Dataset

3. Review
4. Approve
5. DOI
6. Metadata

5. DOI → DataCite

7. Transfer dataset → Repository Data Store
8. Create AIP

9. Replicate and Store AIP
10. Preservation Done

Local Data Store → DSpace

DSpace → Perpetua

Data Manager (e.g. Librarian)
• New Perpetua user
• Requirements include;
  • Safeguarding
  • Preservation
  • Usability
• Integration between DSpace, EBSCO Discovery Service (EDS) and Stacks
Thank you for listening
Any questions?

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