



**PRESERVATION  
SERVICES**

**INFRASTRUCTURE  
ANALYSIS**



**ARCHITECTURE  
& DESIGN**

**SOLUTION  
RECOMMENDATIONS**



**Are you ready  
to take your  
repository to  
the next level?**

Architecting and implementing the infrastructure for a digital repository for long-term preservation and stewardship of your digital assets requires knowledge and experience over and above that found in a traditional IT department. It's much more than just storing the data bits. It's about..

- anticipating data re-use in the future
- assets remaining accessible over time
  - mitigating the risk of storage deterioration and 'bit rot'
  - planning around, and anticipating, technology and format obsolescence
  - providing data persistence and integrity assurances
    - to help future users establish authenticity of data
  - and having full redundancy and disaster tolerance

## Digital Repository Ecosystem

### Data Architecture Analysis Services

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>▶ Integrity Validation                             <ul style="list-style-type: none"> <li>▶ Persistence Assurances</li> <li>▶ Redundancy Procedures</li> <li>▶ Metadata Management</li> </ul> </li> </ul> | ▶ | <p><b>Management</b></p> <p>Policies &amp; Procedures</p> |
| <ul style="list-style-type: none"> <li>▶ Off site Copies                             <ul style="list-style-type: none"> <li>▶ Migration Policies</li> <li>▶ Storage Architecture</li> <li>▶ Capacity Planning</li> </ul> </li> </ul>             | ▶ | <p><b>Preservation</b></p> <p>Architecture</p>            |
| <ul style="list-style-type: none"> <li>▶ Disk?                             <ul style="list-style-type: none"> <li>▶ Tape?</li> <li>▶ Hosted?</li> <li>▶ Cloud?</li> </ul> </li> </ul>  | ▶ | <p><b>Storage</b></p> <p>Technology Recommendations</p>   |

*Whether it's a small proof of concept or pilot project, or a massive-scale full deployment, we will work with you in order to ensure you have the right technologies and procedures in place that will allow for your digital assets to be preserved and accessible for the long-term.*

### **Our services include:**

- Technical guidance for your DAM/ repository infrastructure
- Audit of current storage, server, software technologies
- Planning and recommendations for capacity and scale-out
- Long-term backup policy-based migration data recovery and disaster tolerance

*“Truman Technologies actively engaged in our preservation storage infrastructure project, conscientiously investigating our needs and concerns. They spurred staff to think clearly and deliberately about the project. Truman Technologies was consistently responsive including being willing to alter course as needed.”*

*Paula Jabloner  
Director of Collections  
Computer History Museum*

### **Our Core Principals**

- Don't overbuild - build for today, yet plan for tomorrow
- Create an expandable (modular) infrastructure
- Embrace redundancy and diversity
- Have an exit strategy for each component
- Use open and standards-based technologies
- Make it sustainable and keep costs contained

## **Why Truman Technologies?**

**Truman Technologies is uniquely positioned**, with both digital repository expertise and traditional IT datacenter consultants, giving us the ability to help you navigate through the myriad of technology options and choose an architecture that will support long-term access to your digital information resources.

**We speak your language and that of IT**, helping you navigate through the technology implementation details.

**Our assessments encompass your requirements for:**

- performance
- capacity
- access
- disaster recovery
- redundancy
- management
- data integrity checking and persistence assurances
- migration
- document preparation

**The documents we provide you may also be used to prepare your requirements document for IT**, a request for proposal (RFP), or as input to your data management plan for grant funding.

**We will act as your storage subject matter expert** for architectural design, technology selection and implementation, and have:

- Strong understanding of multi-vendor storage solutions and environments, with the ability to articulate strengths and weaknesses, scaling, high availability, capacity, and performance.
- Experience designing multi-tiered storage solutions including backup, business continuity, capacity planning, archiving, and hierarchical storage.
- Demonstrated ability to deliver solutions from concept to delivery.

**Truman Technologies specializes** in integrating and bringing to market open source-based Scalable Online Archive & Repository (SOAR™) solution stacks, combining industry-standard server and storage technology and leading open source DAM and repository applications.

**Let us help you design your own scalable online archive and repository!**

To find out more, email [info@trumantechnologies.com](mailto:info@trumantechnologies.com) or visit [www.trumantechnologies.com](http://www.trumantechnologies.com)

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