



Digital Bedrock Joins DNA Data Storage Alliance

Digital Bedrock joins the DNA Data Storage Alliance to contribute to developing interoperability standards for DNA storage as an effective and eco-friendly solution to the explosive growth of data

Los Angeles, CA — May 16, 2022 — [Digital Bedrock](#), an affordable, secure digital preservation service provider, is excited to announce that it has joined the [DNA Data Storage Alliance](#).

Formed in October 2020 by Illumina, Microsoft, Twist Bioscience and Western Digital, the DNA Data Storage Alliance is the world's first and most extensive alliance of industry, venture capital, academic and non-profit organizations in DNA data storage. The Alliance shares a mission to create and promote an interoperable storage ecosystem based on DNA as a data storage medium. This is done via public education, awareness raising, and the publication of white papers outlining the technology and its potential uses. Membership consists of a diverse range of stakeholders, combining a range of expertise, all essential for DNA data storage.

Linda Tadic, the Founder/CEO of Digital Bedrock commented: "We are looking forward to contributing to the Alliance's work developing interoperable DNA data storage requirements for long-term preservation of digital content. I am especially interested in the potential for DNA storage technologies to have less of an impact on the environment and earth's natural resources than today's traditional storage media and infrastructures."

Digital Bedrock's digital preservation services combine intelligent object storage with offline security. Its digital preservation software analyzes clients' data, and staff help clients assess and select their data to be preserved.

Services include the following:

- Detailed file analysis to catch hidden errors before long-term preservation
- Extensive metadata extraction and indexing
- Active file format obsolescence monitoring
- Scheduled SHA-512 fixity checks to verify bit health
- Three copies geographically dispersed in secure, offline storage
- Secure, fast direct connection to major cloud storage providers so your data can also be pushed to/from your cloud storage.

The company protects any type of digital content. Clients include media and entertainment companies, museums, individual artists, digital art collectors, academic institutions, government agencies, businesses, and cultural heritage organizations. Digital Bedrock hopes to integrate DNA storage as an alternative storage media once the technology becomes mature, portable, and interoperable.

Storage and access of data is becoming an increasingly recognized challenge as massive amounts of digital data continue to be produced. DNA offers properties which provide an ideal solution to this problem; it's nature's system for reliable, long-term storage and can be preserved for centuries with high stability. In addition, the density and low energy requirements to storing DNA are also attractive benefits, as current needs for data storage require significant amounts of energy and space.

Find more information [here](#).

About Digital Bedrock

Digital Bedrock provides secure, managed digital preservation services in an offline architecture. Digital Bedrock (digitalbedrock.com) offers a unique, long-term digital asset preservation strategy across a wide variety of industries, from media and entertainment, academic institutions, government agencies, businesses with intellectual property, to cultural heritage organizations, at a competitive price and with an unparalleled level of service.

The company creates complex metadata about an asset's characteristics and dependencies, identifies format and software obsolescence vulnerabilities through its patented Digital Object Obsolescence Database, and monitors asset health over time by performing scheduled, bit-level fixity checks. Offline redundancy on LTO is provided in three geographically separated locations, with assets migrated to new storage media as it becomes available.

In addition to its core preservation services, Digital Bedrock also offers software development and consulting services. More information at <https://www.digitalbedrock.com>.

About the DNA Data Storage Alliance

The DNA Data Storage Alliance was formed in October 2020 by Illumina, Microsoft, Twist Bioscience and Western Digital. Our mission is to create and promote an interoperable storage ecosystem based on manufactured DNA as a data storage medium. Our initial aim is to educate the public and raise awareness about this emerging technology. In addition, as the methods and tools for commercially viable DNA data storage become better understood and more widely available, the Alliance will consider the creation of *specifications* and *standards* (e.g., encoding, physical interfaces, retention, file systems) to promote the emergence of interoperable DNA data storage-based solutions that complement existing storage hierarchies. The Alliance neither certifies nor endorses specific products or applications. Follow the Alliance on [Twitter](#) and [LinkedIn](#).

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