

## Arkivum/100

100% data integrity guaranteed digital data archiving

Arkivum/100 is a cloud-based, managed digital data archive service that guarantees 100% data integrity, and that ensures archived data remains authentic and trustworthy. It's a cost effective and low TCO alternative to traditional on site storage solutions for large-scale data archiving requirements with all the benefits of bit-level data preservation.

### Cost-effective and easy to procure

Arkivum/100™ is an all-inclusive, cloud based, managed service that delivers a cost-effective alternative to traditional storage solutions for large-scale data archiving requirements. It's straightforward to deploy and integrates with organisational applications such as Figshare, DSpace, EPrints and Archivematica.

For higher education institutions, pricing and contract terms have been standardised and agreed up front with Jisc, and as Arkivum is the sole supplier on the Janet framework (which was tendered according to Public Sector Procurement Regulations), there is no need for a competitive tendering process.

### Secure and easy to deploy

We assure the long-term integrity and authenticity of data irrespective of the data volume (terabytes or petabytes) or the retention period (multiple decades).

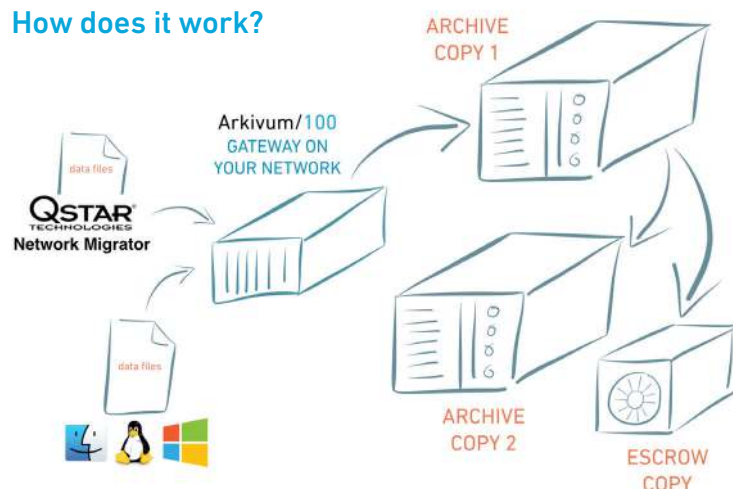
We are the only solution in the market to guarantee 100% data integrity using bit-level data preservation. We achieve this by storing and actively managing at least three copies of your data in geographically disparate locations.

Access to Arkivum/100 is via a virtual or physical gateway appliance and an installation can be completed in less than a day.

### Flexibility

Deployable alongside a range of Arkivum products and services, you can mix-and-match the types of storage solution, and their associated capacities, as your needs change and grow.

### How does it work?



Files can be copied into the Arkivum/100 service via the exposed filesystem interface, via integrated third-party applications or using QStar Network Migrator. Arkivum/100 then encrypts and replicates the files out to our geographically separate Tier-3 data centres and to a third-party escrow provider.

### All-inclusive and fully managed

Arkivum/100 provides everything needed to deploy a scalable and large-scale data archiving service within an organisation. Using either an OpEx or CapEx procurement model, all the costs associated with

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Arkivum/100 are known up front and, other than gateway appliance rack space, there are no additional resources (physical infrastructure, hardware, software, utilities or people) required to deploy the service.

### Compliance and open standards

Arkivum is certified to ISO 27001 and is audited on a six monthly basis. Combined with the digital preservation best practices (for example ISO standards on Open Archive Information Systems and Trusted Digital Repositories), this means that Arkivum can assure that the data held within its service is retrievable exactly as it was stored, irrespective of how long it's been stored for.

The existence of the escrow copy ensures that should you need to exit from Arkivum/100, you can access the escrow tapes on which the encrypted data is stored. Using only open standard / open source tools, you are able to rapidly retrieve your data. All you need is a tape drive.

### When will I need Arkivum/100?

Arkivum/100 is ideal for when you need to provision scalable, large volumes of cost-effective archive storage, and when data integrity and longevity are of paramount importance - when you have to have the 100% data integrity guarantees provided by Arkivum/100.

And as Arkivum/100 can be deployed alongside Arkivum/1+1, it is possible to provide different storage options for data that has a wide range of retention periods and long-term assurance requirements. For example, a project that has clinical data may have different archive requirements than one with only research data.

### Why Arkivum?

Every bit archived.

Arkivum provides data archiving services to a range of industries including higher education, healthcare and heritage. These services assure the long-term value, trustworthiness and authenticity of data irrespective of whether it's terabytes or petabytes being archived, and irrespective of whether the retention period is a few years, a decade, or a quarter of a century.

Through active data curation, chain of custody and ISO 27001 compliance, Arkivum is able to provide a unique 100% data integrity guarantee. Backed by indemnity insurance, this is a commitment to protect, curate and preserve data for the future and to eliminate the needless loss of information and knowledge.

Arkivum works with a range of partners to deliver integrated solutions for data discovery and sharing; publishing; file format preservation; and information portals.

### Key characteristics of Arkivum/100

Minimum data commitment	1TB / yr
Minimum gateway size	1TB
Minimum contract term	1 year
Arkivum storage commitment	25 years
100% data integrity guarantee?	Yes
Indemnity insurance?	Up to £5,000,000
Typical number of copies of your data stored	2 + 1 in Escrow
Escrow storage location	3rd-party of your choosing or Arkivum-contracted 3-party
Purchase model	OpEx or CapEx
Data ingest charge?	No
Data egest charge?	No
Janet framework contract and pricing?	Yes
Janet connectivity?	Yes
Discount for long-term contracts and high data volumes?	Yes