



Powerful, Innovative Data Protection

Arkeia Network Backup is scalable data protection for midsized and large networks. The powerful backup engine delivers reliable, lightning fast data protection of business critical information. Arkeia Network Backup has proven to scale to large networks with enormous data management requirements and offers innovative features for enterprise customers.



Optimized for SAN Environments

Arkeia Network Backup version 6.0 comes with a new architecture designed for optimizing Storage Area Network (SAN) environments. The new three tier storage node architecture enables flexibility to share and optimize SAN-attached storage devices and backup both local data and remote data.

- **LAN-free Backup** – Media server support allows local data backup (a storage node) and remote hosts to backup to locally and remote attached tape drive or SAN attached device.

Remote Drive Management

Arkeia Network Backup version 6.0 enables granular tape or disk drive management remotely, including management of VTL and multi-flow/multiplexing of local backups and remote client backups.

Granular Disk-to-Disk-to-Tape

Arkeia Network Backup version 6.0 now enables granular backup of data directly to disk and migration of data to tape based on storage policy.

- **Integrated VTL** – Flexible disk-based backup structure to allow faster backups and recovery, with 1 TB of disk capacity included with version 6.0.
- **Granular File Level Migration** – Restore policies can be set as granular as specifically designated files.

Designed for Speed

Arkeia Network Backup was designed from the ground up to move data quickly across the network and onto disk or tape. This focus on performance has resulted in lightning fast backups which reduce backup windows and increase productivity. Key performance features include:

- **Parallelism** – ANB architecture leverages parallel data streams from both the clients to the backup server (multi-flow) and from the backup server to tape (multiplexing). Parallelism allows for more than 200 simultaneous backup jobs and simultaneously writes on up to 32 tape drives using multiplexed streams.
- **Disk Staging Optimization** – ANB does not require writing data to disk on the backup server. The data, when in memory, is never copied between protocol stacks (zero memory copy). This results in faster backups since there is no extra step of reading/writing to disk on the backup server.
- **Compression** – Client-side compression reduces network traffic and increases backup throughput.

Ultimate Flexibility

No two IT infrastructures are exactly the same, so Arkeia Network Backup offers flexible deployment options which allow highly granular and customizable data protection policies. Key features include:

- **Implementation Flexibility** – ANB offers an easily customizable and extensible interface that sits on top of the core backup engine, so users can integrate Arkeia into existing data/network management solutions.
- **Centralized Management** – Centralized management of multiple remote sites and backup servers, plus centralized management calendar with easy-to-configure exceptions.
- **Granularity** – Highly granular point-in-time restoration with simple to use catalog consolidated view. Backups preserve directory structure, registry, symbolic links, and special attributes such as ACLs.



Scalable data protection for midsized and large networks.

Arkeia Network Backup: Quick Take

- ▶ **Enhanced SAN Support**
- ▶ **Remote Drive Management**
- ▶ **Granular File-level D2D2T**
- ▶ **Designed for Speed**
- ▶ **Ultimate Flexibility**
- ▶ **Deep Open Source Support**
- ▶ **Single Solution for All Platforms**

Arkeia Network Backup Data Protection

Deep Open Source Support

Arkeia Network Backup was the first enterprise solution for Linux and is the 'gold standard' for Open Source and Linux data protection. Arkeia Network Backup v6 continues leadership to the Linux and Open Source community with features including:

- **Linux Distributions** – ANB supports more than 30 specific packages supporting the most popular Linux distribution/processor combinations.
- **Open Source Applications** – Arkeia was the first to market with data protection for open source applications such as Lotus, Open-Xchange (including SLOX), LDAP, MS Exchange and databases such as Oracle, MySQL, PostgreSQL, DB2, and MS SQL Servers.

Single Solution for All Platforms

Arkeia Network Backup has broad support for Windows, Linux, Unix, Netware and Mac with specific, installable packages designed for the latest operating systems and processors. Additionally, ANB provides support for a wide range of applications and storage devices such as:

- **Devices/Libraries** – ANB supports a huge variety of storage devices, media, and library robotics with more than 600 devices supported.
- **Applications & Databases** – ANB supports extensive modules for hot backup of online applications and databases such as DB2, LDAP, Lotus, MS SQL Servers, Open-Xchange, Oracle, and PostgreSQL.
- **Bare Metal Restore** – Optional Automatic Bare Metal Restore for Linux and Windows machines.

Innovative Data Protection Features

Arkeia Network Backup leads with innovative features which ensure fast, highly reliable data protection for enterprises. Since its launch, ANB has delivered new features such as:

- **Triple Backup Verification** – ANB deploys three levels of data consistency checking: read/write verification on the client, checksumming between the client and the backup server processes, and SCSI read/write verification. Multiple backup verification points ensure data backed up is *actually* backed up.
- **Automatic SCSI Detection** – ANB automatically detects SCSI hardware and recognizes tape drive types.
- **Client-side Encryption** – ANB encrypts data at the source, the client machine before transversing the network. The data is also encrypted on the storage media. Client-side encryption reduces backup windows by leveraging under-utilized processing of client machines (rather than Backup Server) and reduces the risk of sending unprotected data from client to Backup Server.
- **NDMP Option** – Support for NDMP
- **VTL** – Disk-to-disk backup with virtual tape library support embedded in the core product.
- **Cruise Control** – Cruise control limits ANB bandwidth usage to avoid disturbing other network services.

100,000 Networks Protected

5,000 Enterprise Customers

50 Countries

Arkeia Options

- ▶ **Application & Database Modules**
 - MySQL
 - Open-Xchange (including SLOX)
 - Oracle
 - PostgreSQL
 - DB2
 - LDAP
 - Lotus
 - MS Exchange Server
 - MS SQL Server
- ▶ **Disaster Recovery for Windows and Linux servers**
- ▶ **NDMP Module**
- ▶ **Encryption Module**
- ▶ **and many more!**

Highlights of Arkeia Network Backup Version 6.0

New Disk-to-Disk-to-Tape (D2D2T) with integrated VTL of 1 TB included free	Create tiered storage policies to optimize use of disk for faster backup and restores
New Unicode Character Support	Supports global operations through localized characters
New Enhanced SAN Architecture	Leverage SAN investments through new storage node architecture
Optional New Remote Drive Management Module	Optimize hardware investments by consolidating and sharing drives across the network
Optional New LAN-free Backup Module	Backup data directly with new Arkeia SAN-attached Media Server capabilities



Arkeia Americas
1808 Aston Avenue
Carlsbad, CA 92008
USA
Tel : +1 (760) 431 1319
Fax : +1 (760) 602 8599
www.arkeia.com

Arkeia EMEA
31, rue Delizy
93692 Pantin Cedex
France
Tel : +33 (0)1 48 10 89 89
Fax : +33 (0)1 48 10 89 90
www.arkeia.com