WD Arkeia backup software is a fast, easy-to-use, and reliable network backup solution designed for data protection in small and medium business.

**Enterprise Features for Mid-Size Organizations**
WD Arkeia offers the enterprise-class capabilities—features, platform support, and web-based interface—required by small and medium businesses without the complexity that would require a team of software administrators to deploy.

**Protection for Physical and Virtual Systems**
WD Arkeia supports all four of the leading virtualization solutions: VMware’s vSphere®, Microsoft’s Hyper-V®, Citrix’s XenServer®, and Red Hat’s RHEV®. WD Arkeia also supports over 200 combinations of processor architecture and operating systems, meaning WD Arkeia simplifies management and reduces costs for heterogeneous environments.

**Proven Solutions for Data Protection**
WD Arkeia has delivered data protection solutions to customers around the world since 1996. WD Arkeia invests heavily in software innovation and delivered the industry’s first professional backup solution for Linux, first virtual appliance for backup, and first implementation of Progressive Deduplication™ technology for backup.

WD Arkeia capabilities are delivered with a single, consistent architecture that allows data protection to be fast, easy-to-use, and reliable.

**200 Platforms: One Backup Solution**
WD Arkeia offers backup agents for over 200 platforms, supporting virtually all Linux, Windows® and virtualization platforms, as well as AIX®, BSD, HP-UX®, Irix, Macintosh®, Netware® and Solaris®.

We also offer specialized agents for hot backups of open files used by important applications, databases, directory servers, and virtualization hypervisors. This deep platform support provides end-users with a unified network backup solution for all their systems, reducing the cost and complexity associated with backing up heterogeneous environments.

**Progressive Deduplication Means Faster Backup**
WD Arkeia uses an advanced, patented deduplication technology called Progressive Deduplication that is both source-side and block grain. Progressive Deduplication delivers high compression ratios which saves end-users money by reducing storage volume and network performance requirements. Moving less data over the network accelerates backups and shrinks backup windows.

**Hybrid-Cloud**
For some SMBs, the best strategy is to perform backups to disk on local area networks (LANs), and then replicate backup sets to the cloud therefore reducing the amount of data needing to be stored in the cloud and also reducing costs. WD Arkeia provides that strategy with hybrid-cloud backup. Hybrid-cloud backup shortens the backup window and accelerates most data recovery operations. WD Arkeia makes it practical to replace tapes for off-site storage by allowing large backup sets like full backups to be moved on physical media and small backup sets like incremental backups to be sent over the wire.
WD Arkeia Components
WD Arkeia consists of its core backup servers and backup agents, and the advanced backup replication server and central management server.

Backup Servers
A WD Arkeia backup server controls backup agents and manages the backup process and storage devices, whether disk, tape, or cloud resources. WD Arkeia servers can be deployed as appliances, virtual appliances, or software application depending on an end-users backup requirements.

WD Arkeia backup servers support the Network Data Management Protocol (NDMP) to provide agentless backups of network attached storage devices and to save backups to these devices. Other capabilities include backup replication (D2D2D), Disk-to-Disk-to-Tape, Tape Duplication, and replication/archiving to the cloud.

Backup Agents
WD Arkeia backup agents perform the backup of individual data sources. WD Arkeia Generic Backup Agents protect over 200 computer platforms with software installation packages specific to each platform. In addition to Generic Backup Agents, WD Arkeia offers Specialized Backup Agents for hot backups of important applications, database servers, directory servers, and virtualization hypervisors. These agents leverage application programming interfaces (e.g. Microsoft VSS®, VMware vStorage®, Novell SMS®) furnished by each software vendor.

Backup agent options include client-side (“source-side”) Deduplication, Compression, and Encryption. Putting deduplication, encryption, and compression on the client-side distributes CPU load across many client machines rather than centralizing it on the backup server. This architecture shortens backup periods and improves server scalability.

Bare-metal Disaster Recovery
WD Arkeia enables fast bare-metal recovery on x86 and x86-64 platforms using WD Arkeia’s disaster recovery option. Disaster recovery is compatible with the entire suite of on-line backup software on Linux and Windows systems. WD Arkeia also offers off-line backups that record a block-by-block image of any disk.

Backup Replication Servers
WD Arkeia backup replication works seamlessly with WD Arkeia servers to eliminate the challenges associated with distributed data protection. WD Arkeia backup replication increases flexibility for distributed infrastructures and provides a cost-effective disaster recovery solution.

WD Arkeia backup replication manages the replication of Backup Sets across a wide area network (WAN) to a second site, a private or a public cloud.

Central Management Servers
Administrators use the WD Arkeia central management server to manage multiple backup servers from a single dashboard. The central dashboard allows improved control of the backup process due to reporting on backup performance (e.g. backup window, disk and tape utilization, partial or failed backups). Further, global data management policies can be implemented to ensure corporate policies and regulatory requirements are met.

Top-tier Technical Support
WD Arkeia’s technical support and service teams are second-to-none. As backup software specialists, our service engineers are experts in systems and storage, and in data protection best practices. The same California- and France-based engineers that deliver consulting and training also staff our support operation.