

Arkeia hot backup plug-in

MySQL

Backup of open databases is critical for many businesses which cannot afford to interrupt services relying on MySQL™, the world's most widely used open source data management tool. With that reality in mind, Arkeia developed solutions to fully protect MySQL application data.

There is an Arkeia answer for every data protection need.

- Scalable backup solution for large networks :
Arkeia Network Backup
- Easy-to-use backup solution for basic networks :
Arkeia Smart Backup
- Automatic bare-metal restore :
Arkeia Disaster Recovery
- Hot backup solutions for running applications

Take a FREE test drive of any Arkeia product at www.arkeia.com

Power up your data protection solution With MySQL Network hot backup

Administrators can develop a customized backup strategy that protects information without interruption thanks to the Arkeia plug-in which performs either incremental or full backup for MySQL Network while data remains accessible online.

The Arkeia MySQL plug-in is easy to install and configure: databases and table backup/restore can be selected via the convenient navigator in the Arkeia GUI. Backup can be defined up to the table level. Binary logs are also backed up, enabling the restore of databases at an exact state between two backups.

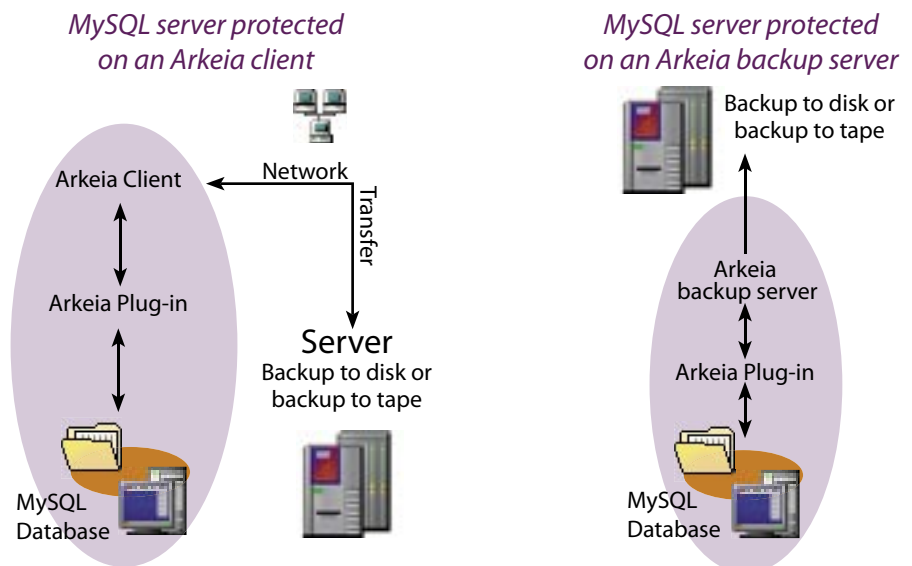


Arkeia's MySQL plug-in runs incremental database backup based on the MySQL binary log data. Each incremental backup includes only the log of the operations since the last backup.

Arkeia state-of-the-art technology merges smoothly with MySQL's proven reliability for secure data protection with fast backup thanks to Arkeia's multi-flow architecture. Multiple MySQL tables are backed up simultaneously, offering significant data rate advantages over other software solutions.



Plug-ins provide an abstraction layer that allows the Arkeia client to connect to databases and save them at the same time as regular files, with proper support of flow interleaving, compression and encryption. These convenient plug-ins appear as specific "trees" in the Arkeia Navigator. They can be added to regular "savepacks" which makes backup a very easy process.



Arkeia hot backup plug-ins work with:



MySQL plug-in solves retailer's protection issues

The largest IT reseller in Finland, Verkko-kokauppa.com (Webshop.com) relies on Arkeia's MySQL plug-in to back up business data and internet transactions. Verkko-kokauppa has used Arkeia beginning with the distribution of version 4. "It seemed like the right system to use with Linux. I didn't want some script-hacks."

"The MySQL plug-in itself works seamlessly with Arkeia and differs in no way from backing up a file system. It's great to have all the data backed up on the same system. And if there is ever a problem, the support team has fast response times."

"We have two public web servers, 2 MySQL servers, an internal web server, mail server, a couple of servers for accounting and of course, development servers. These all are backed up with Arkeia."

"I became interested in the MySQL hot backup plug-in when I saw it on the Arkeia web site. Previously I had backed up the database by dumping it, which resulted in downtime while all the tables were locked.

"I needed the plug-in to create a single point in time for the backup and wanted more consistent data. The tech guys took this very seriously. Soon a new version of the plug-in was released that had the feature. It was truly great to have some influence on the plug-in to add some specific features."

Henrik Weckstrom
System Administrator, Verkko-kokauppa

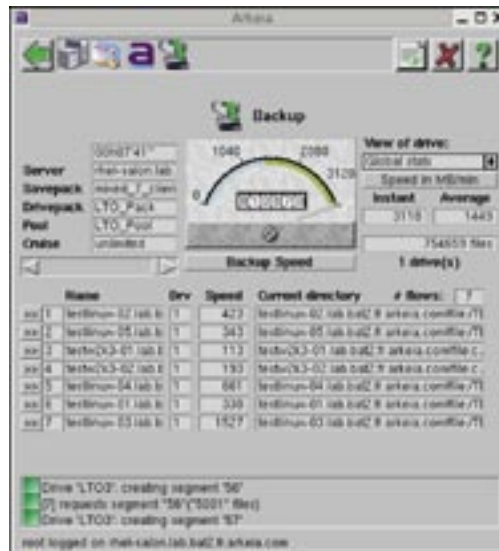
Arkeia plug-in is the answer

Questions:

- How to carry out a reliable backup on a standard market configuration without using Linux shell commands?
- How to manage a library of eight tape cartridges without having to type a series of commands?
- How to launch this backup periodically?
- How to back up information in a MySQL database?
- How to back up an unlimited number of servers?
- How to obtain updates matching Linux updates?
- Where to find simple to use software with small resource requirements?

Arkeia has the solution.

Karim ABDI
IT Manager, UNESCO



MySQL hot backup is easily managed through the convenient Arkeia GUI.

BACKUP

Arkeia uses MySQL attributes which utilize table locking to perform most database snapshots. Arkeia has a distinct advantage over other database backup solutions: a multistream system that enables faster backup than other software. This allows back up of multiple tables at the same time.

INCREMENTAL BACKUPS

The Arkeia MySQL Plug-in supports Incremental Backup of MySQL Network and uses the table copy feature via the MySQL API.

BINARY LOGGING

The consistency of the MySQL database is ensured through the backup of the MySQL Binary Logging via the Arkeia plug-in. The MySQL engine initiates some table locking during the backup process, but the end user will not notice a significant difference during the backup process.

When the database needs to be restored, Arkeia restores the last total backup of the database information as well as the MySQL binary logs.

"Arkeia's certification in the MySQL Network Partner Program ensures that customers can continue to rely on secure, fully-integrated data protection with Arkeia along with the reliability and up-time provided by MySQL Network."

Bertrand Mattheié,
Director of Alliances at MySQL AB



The Arkeia hot backup plug-in is compatible with versions of MySQL Network, starting from 3.21 to 3.23, and version 4.1. It functions with all table formats. Compatible operating systems include Linux, Unix, Windows, Mac OS X, AIX, FreeBSD, HP-UX, Irix, Novell Netware, and others.

