

Backup Manager

Jimmy <jimmy@backup-manager.org>

4.3.2006 / Linuxtage Chemnitz



- 1 Introduction
 - About Backup Manager
 - Philosophy
 - Features
- 2 Architecture of Backup Manager
- 3 Additional Information



Outline

- 1 Introduction
 - About Backup Manager
 - Philosophy
 - Features
- 2 Architecture of Backup Manager
- 3 Additional Information



About Backup Manager

- Commandline tool to create backups
- Developed by Alexis Sukrieh
- Some other developers/contributors joined the team
- Written in bash and perl
- Translated into several languages
- Latest release: 0.6.1



Philosophy

- Setting up backups should be as simple as possible
- Different backup methods should be available
- Most backup scenarios should be covered



Features

- Create tar.gz, tar.bz2 and zip archives
- Incremental backups
- Backups with dar
- Burn archives on CDR/CDRW/DVD media
- Upload archives via ftp, ssh or rsync
- Mirror directories with rsync
- Purge archives after a given number of days
- Backup mysql databases with mysqldump
- Backup svn repository with svnadmin
- Use multiple configuration files for parallel processing
- Run commands before and after backup process
- Cron as scheduler
- Use different configuration files for different setups



Outline

- 1 Introduction
 - About Backup Manager
 - Philosophy
 - Features
- 2 Architecture of Backup Manager
- 3 Additional Information



Architecture

- Creation of archives -> Backup method
- Upload of archives
- External methods



Backup methods I

- Tarballs
 - Create archives (tar.gz, tar.bz2 and zip)
 - Save archives on local disk
 - Delete old archives after x days
 - Exclude files via blacklist
 - Define how often to make a master tarball when using incremental archives
- Mysql dump
 - Which databases
 - Login data
 - Which compression
- Subversion backup
 - Path of repositories
 - Which compression



Backup methods II

- Pipe method
 - Define name of method
 - Define command
 - Define filetype
 - Define compression method



Uploads in detail I

- Methods
 - ftp
 - scp
 - rsync
- Options
 - Upload host
 - Path at upload host
 - Username, password or public key
 - Purge archive at upload host?
 - How to handle symlinks



External methods in detail

Burning archives to optical media

- Which media
- Maximum size of media
- MD5 checksum



Current Development

- Rsync incremental
- More support for databases
- Burning in interactive mode
- Index file for media
- ...



Outline

- 1 Introduction
 - About Backup Manager
 - Philosophy
 - Features
- 2 Architecture of Backup Manager
- 3 Additional Information



How to get started

How to get backup manager

- apt-get install backup-manager
- Latest tarball at homepage
- SVN: svn co
svn://svn.backup-manager.org/backup-manager/trunk
backup-manager

Where to ask for help

- Mailinglist for users
- Mailinglist for developers
- IRC: irc.oftc.net, channel #backup-manager



Links

- Homepage of backup manager: www.backup-manager.org
- Bugtracking System:
bugzilla.backup-manager.org/cgi-bin/index.cgi
- My homepage: www.jimmy.co.at
- Homepage of my company: www.g-tec.co.at



Feedback

Questions and feedback are greatly appreciated!

jimmy@backup-manager.org

