



Enterprise backup & recovery

BWeb

Presentation



Enterprise backup & recovery

BWeb

Job management

“Official” Bacula GUIs



- Bconsole
- BAT
- Bacula-web
- BWeb

```
eric@zog4:~$
JobRetention=10 years FileRetention=10 years AutoPrune=1
-> Catalog: name=MyCatalog address=None DBport=0 db_name=bacula
db_driver=None db_user=bacula MutliDBConn=0

*run
A job name must be specified.
The defined Job resources are:
  1: Client1
  2: eeepc
  3: zog4
  4: zog1
  5: BackupCatalog
  6: ZOG4_VERIFY
  7: RestoreFiles
Select Job resource (1-7): 1
Run Backup job
JobName: Client1
Level: Incremental
Client: zog4-fd
FileSet: FS_Client1
Pool: Default (From Job resource)
Storage: File (From Job resource)
When: 2010-09-23 15:04:29
Priority: 10
OK to run? (yes/mod/no):
```

Bacula-Web 1.0RC1

GENERAL DATA

Total clients:	21	Total bytes stored:	1.42 TB
Total files:	2833743	Last month bytes transferred:	13.1G GB

Pools

Volume Name	Volume Bytes	Media Type	When expires?	Last Written	Volume Status
-C001	3.21 GB	File	200+/06/17	2004/06/16	Used
-C002	371.00 B	File	200+/06/17	2004/06/17	Used
-C003	50.25 MB	File	200+/06/16	2004/06/16	Used
-C004	2.97 GB	File	200+/06/17	2004/06/17	Used

Incremental

Volume Name	Volume Bytes	Media Type	When expires?	Last Written	Volume Status
003001	54.00 GB	-TO2	200+/07/07	2004/06/17	Append
003002	211.14 GB	-TO2	200+/04/08	2004/04/08	Append
003003	379.05 GB	-TO2	200+/05/08	2004/06/05	Full

Full

Volume Name	Volume Bytes	Media Type	When expires?	Last Written	Volume Status
003004	252.54 GB	-TO2	200+/05/19	2004/05/09	Append
003005	250.04 GB	-TO2	200+/06/08	2004/05/23	Full
003006	244.32 GB	-TO2	200+/06/22	2004/05/31	Full
003007	218.89 GB	-TO2	200+/06/30	2004/06/17	Append

Block

Volume Name	Volume Bytes	Media Type	When expires?	Last Written	Volume Status
-0001	1.35 GB	File	200+/04/04	2004/03/25	Append
-0002	0	File	1970/01/11	1999/11/30	Append

Status from last 24h

Errors: 0
Terminated Jobs: 22
Total time spent to do backups: 0h:56:54
Bytes transferred last 24h: 13.1G GB

General report

bat - Bacula Admin Tool

File Edit Settings Help

Page Selector

- Select Page
 - zog4-dir
 - Console
 - Clients
 - FileSets
 - Jobs
 - JobList
 - Media
 - Storage

Client Name	File Retention	Job Retention	AutoPrune	ClientId	Uname
zog4-ld	1m	6m	Yes	1	3.0.2 (15May09) x86_64-unknown-linux-gnu.ubuntu.8.04

Context menu for Client 1:

- Refresh Client List
- List Jobs of Client
- Status Client in Console
- Status Client Window
- Purge Jobs
- Prune Jobs

Console Command Line Entry

Command:

Bacula Administration Tool

BWeb – Software stack



ExtJS

Javascript

Firefox, Chrome, IE

Apache

GD

CGI

HTML::Template

Expect

Perl

BWeb – Backup management



- All basic operations
 - ✓ Start a job
 - ✓ Follow running jobs
 - ✓ View logs
 - ✓ Restart jobs
 - ✓ Prune/purge jobs
 - ✓ Restore files
 - ✓ ...



BWeb – Volume and Device

- Disk
 - ✓ More or less automatic
- Tapes
 - ✓ Rotation
 - ✓ Move in, Move out, Replace
 - ✓ Autochanger management
 - ✓ Volume location management

BWeb – Groups

- Group clients by
 - ✓ Customer
 - ✓ Application
 - ✓ Mission critical/non critical
 - ✓ ...

- Good for
 - ✓ Statistics
 - ✓ Billing
 - ✓ Day to day management
 - ✓ Supervision



Probes based on Bweb

- ✓ check_bacula.pl
 - Check Storage daemon status
 - Check Scratch pool content
 - Various tests about running jobs
- ✓ bcheck.pl
 - Check if a backup grows or shrinks too quickly
 - Check if all clients have a recent backup

BWeb – Users



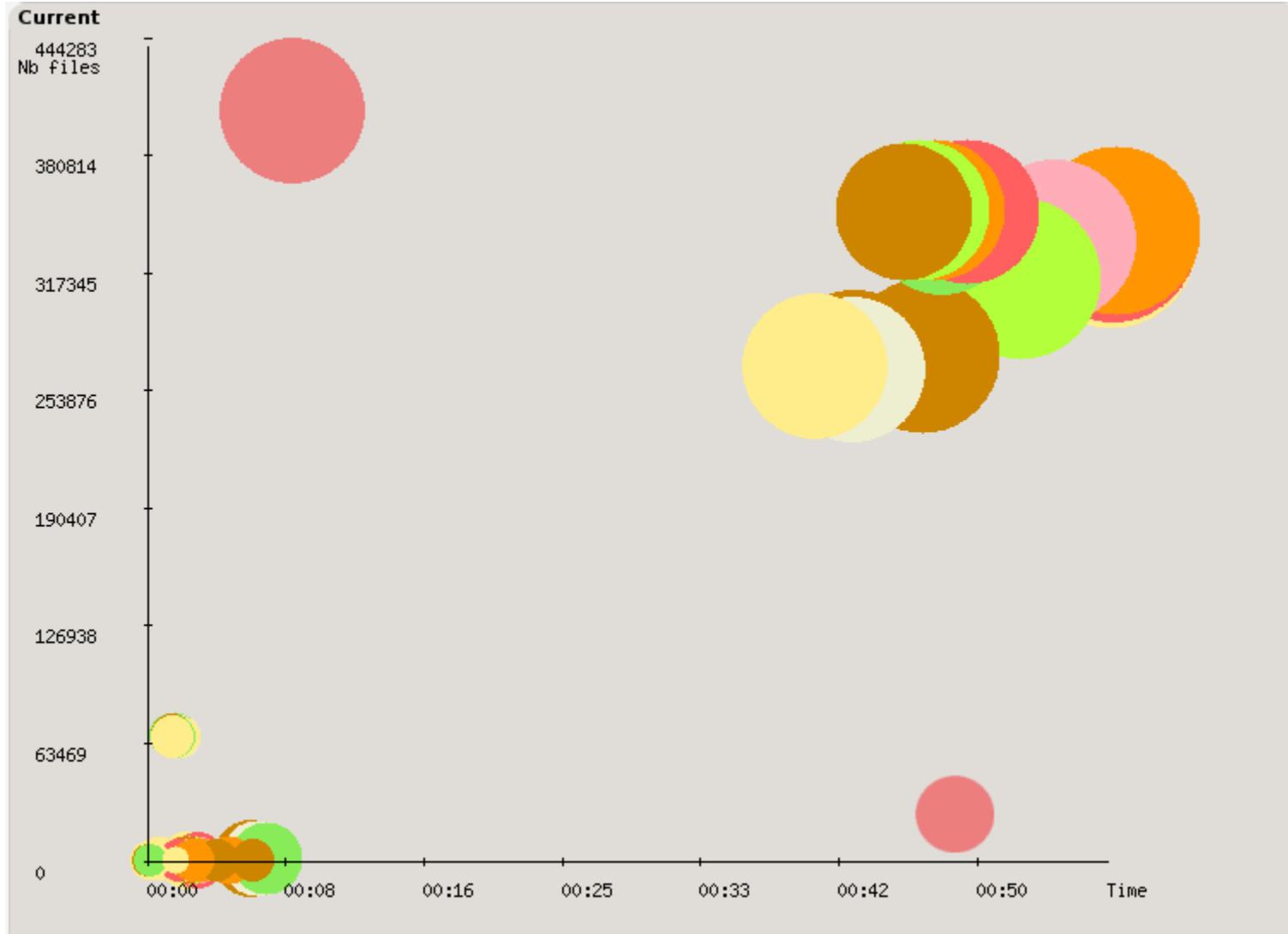
- Let users handle their:
 - ✓ Backup
 - ✓ Restore



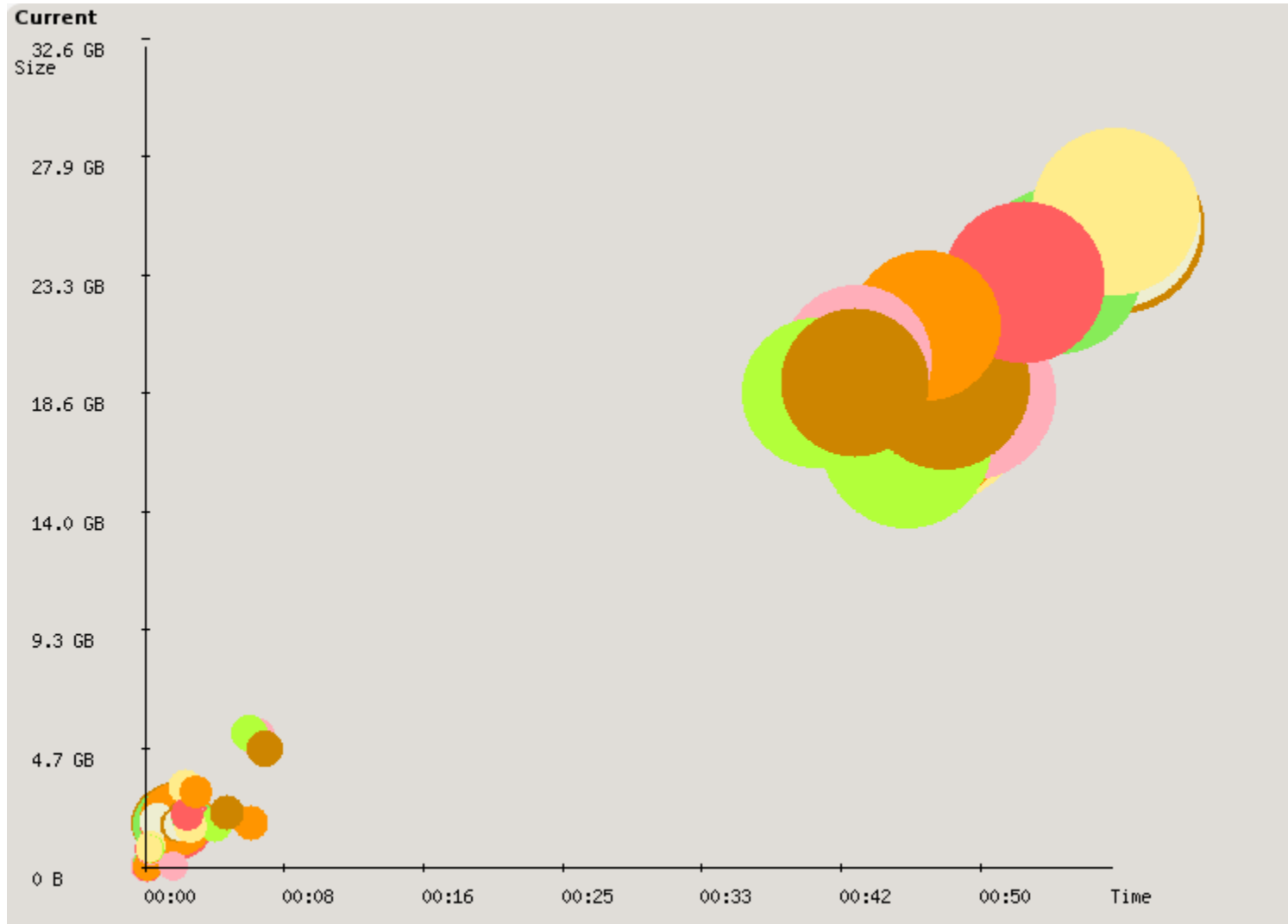
BWeb – Other nice tools included

- Schedule optimization, Btime view
- Tracking lost backups
- Backup navigation tool
- Overview and statistics
- Problem resolution, Balloon view

BWeb - Problem detection



BWeb - Problem detection



BWeb Management Center



Bweb - Bacula Web Interface



Main

Directors

Clients

Jobs

Media

Statistics

Configuration

About



search...

Global Overview

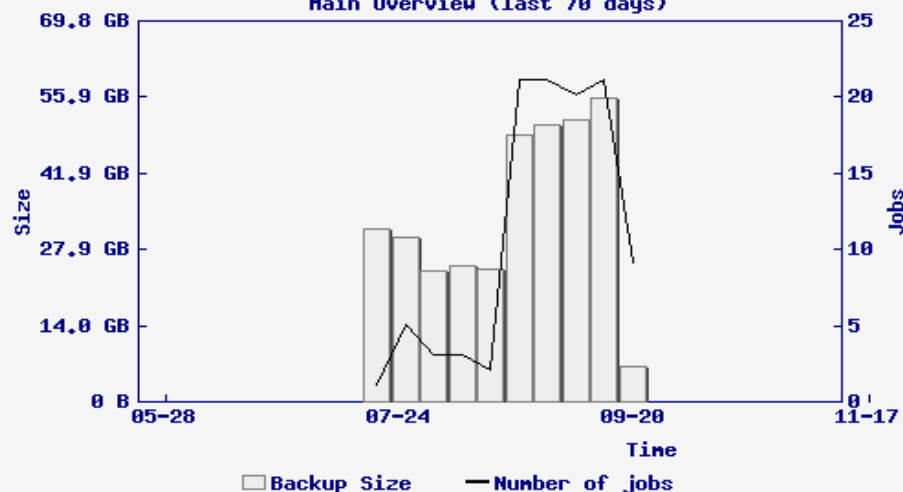
Total Clients: 6 Total bytes stored: 1.5 TB Total files stored: 11714068
Total Databases size: 24.3 MB Total Pools: 12 Total Jobs: 243
Jobs failed (last 7 days): 0 Total Media: 12

Global Trends

Job Status all (last 7 days)



Main Overview (last 70 days)



Running Jobs

JobId Client Job Name Level Start Time Duration Status Select



View



Cancel

BWeb Management Center

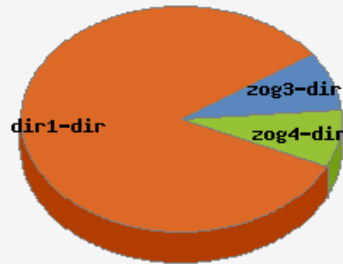


Media Overview

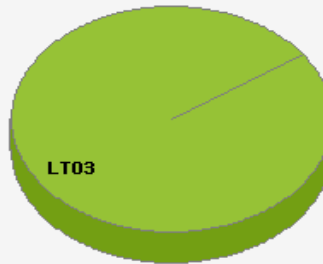
Media Size per SiteName



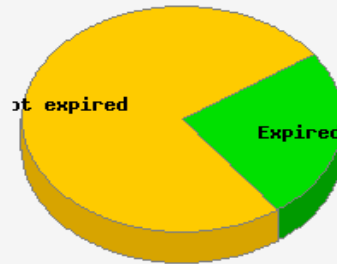
Media Nb per SiteName



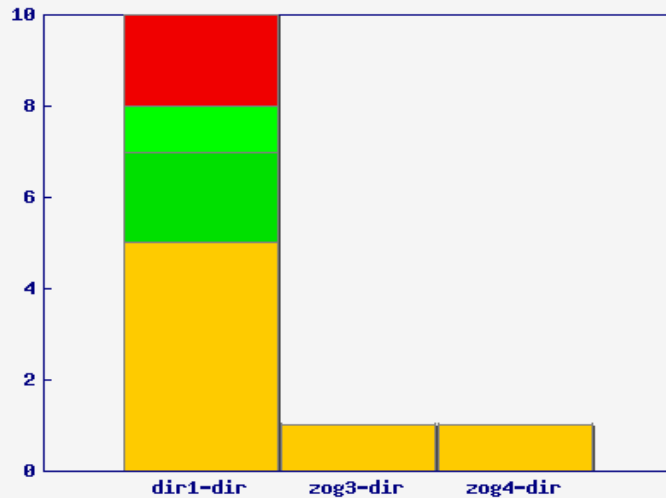
Media Size per MediaType



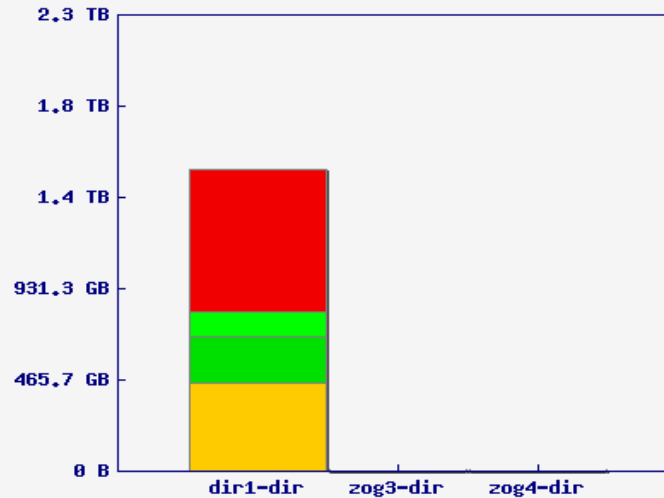
Full expired volumes Size



Volumes Nb overview



Volumes Size overview



Site
 Append Expired Purged Used

Site
 Append Expired Purged Used

- Comments, questions ?