

Summary of site report session – Tue. Jan. 31st

SURFdrive growth

10,000th SURFdrive user of Applied University of Applied Sciences
 More than 20,000 SURFdrive users at 48 institutions. Read the news item about the 20,000th user ow.ly/L4O1305kTpt
 15,000 users are now using SURFdrive!!! *RT
 Now 5,000 users are using SURFdrive!!!!
 7,500 users are now using SURFdrive!!! *RT
 13,000 users are now using SURFdrive. *RT

CERNBox Service Numbers

	Jan 2016	Jan 2017
Users	4074	8411
# files	55 Million	176 Million
# dirs	7.2 Million	19 Million
Used Raw Space	208 TB	806 TB
Deployed Raw Space	1.3 PB	3.2 PB

Engineers Physicists
 Services & Administration

Rapid Access Cloud

Some numbers from early 2016

Filetypes / Storage usage >

Modification / Storage Usage v

Usage Statistics - b2drop.eudat.eu

- users: 1000
 - 330 in 9/2015
 - 125 in 3/2015
- volume: 950 GB
- objects: 990.000 #
- requests:
 - 313.000 #/day
 - 3,6 #/sec

Cluster design

A cloud for all universities of Rheinland-Pfalz

- Load balancer
- NFS storage
- 4 Virtual servers
- 1 Seafiele cluster
 - 5.000+ active users
 - 8 TByte data
 - Fast!
 - All servers are idling!
 - File transfers at cable speed!

SWITCHdrive

- Owncloud 8.1 (upgrade 9.0 in March)
- Users: 24'000
- Quota: 50 GiB / user
- Number of files: 62M
- Storage: 61 TiB
 - 50 TiB live data
 - 7.2 TiB trash
 - 2.2 TiB versions
 - 1.5 TiB ...
- Paid service since 1.1.2016

2.7 FOLLOW-UP - INDICATORS

Trainings sessions :

- 21 sessions & 230 trainees (from various horizons and levels!)

Documentation

- 2052 connexions on detailed documentation in 2016

More stats :

- 1083 unique users in december 2016
- +8% of unique users more per month (average)
- 17 libraries (top folders) / user
- 1138 groups created
- Only 35 persons who used Seafiele in 2015 didn't return in 2016.
- 11% of guests accounts are students accounts ...

space usage in HU Box

users in HU Box

our deployment

- active users: 810
- shares: 5336
- public links: 3762
- direct shares to accounts or groups: 1297
- file count: 14.129.395 (x2 in dCache backend) (max count 2016: 30*10⁹)

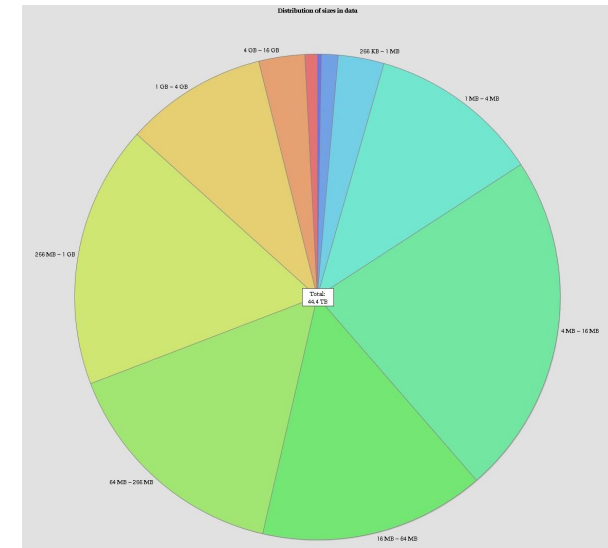
Flannone: A Staging Storage Sharing System for Data Handling in a Multisite Scientific Organization

HTTP: Performance Measures

- ✓ Prestan: PUT/GET loading (100 files of 1 MB)
- ✓ 2 httpd configuration: KeepAlive ON / OFF
- ✓ collectl tool: measure Rx/Tx iB port on server

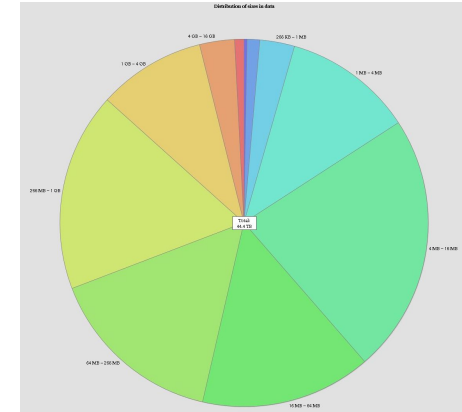
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- Numbers shown within the site reports may be worth to be reported on a “dashboard”.
- If wanted ETH will take the lead for a common dashboard and propose a template to collect data and generate a reporting tool
- Bottlenecks being reported from sites could probably be mapped to reported numbers -> developers can focus on



Summary of site report session – Tue. Jan. 1st

First proposal – to be discussed



University - Institution	user related numbers	storage related numbers	software related information	transfer & load related information	file types
	# of active accounts	Used TBs	Installed sync & share sw and release	GET / PUT related to unique IPs in a given (e.g. 15s) time window -> sync info	# of different mime types stored
	# of different users per day/week/month	user quota			modification rates of files – details tbd
	# of files, dirs / average # of files, dirs per user	Data transfer rates on different time levels / windows			
	# of shared files	Growth rate			
	Geomap of users	Data in versions / trash			