



Paper data repository of China-VO

Cui Chenzhou, Li Changhua

National Astronomical Observatories, CAS

china-VO Paper Data Repository

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长华李

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ScienceCloud

简体中文



中国虚拟天文台

Telescope

Data

Tools

Cloud

Public



Dashboard



Instances



MyVOSpace



PaperData



Regions



Templates



Events

PaperData - planetarium

Domain Setting

Upload File

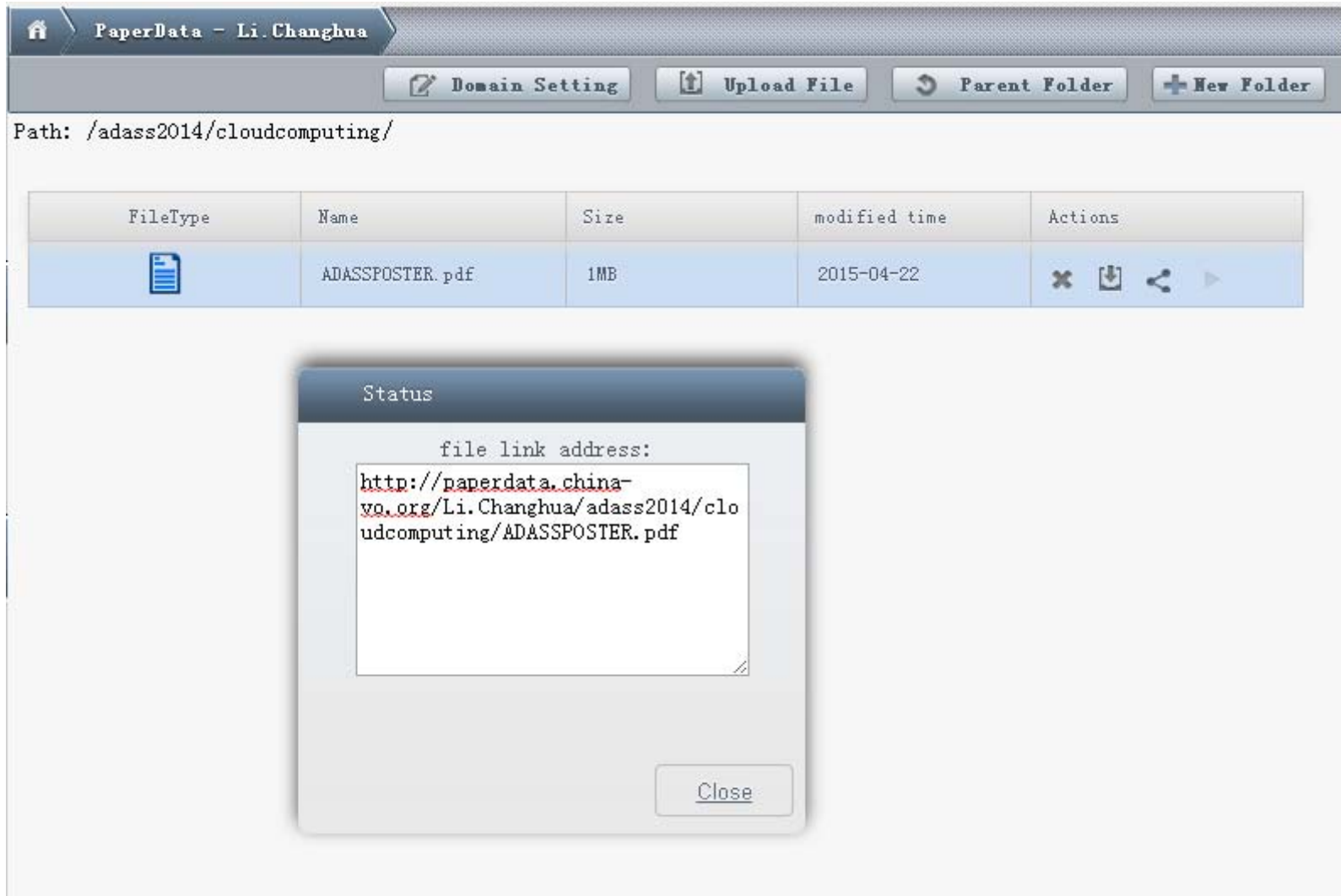
Parent Folder

New Folder

Path: /adass2014/






FileType	Name	Size	modified time	Actions
	cloudcomputing	4KB	2015-04-22	

Customized URLs



The screenshot shows a web interface for "PaperData - Li.Changhua". The path is "/adass2014/cloudcomputing/". A table lists a file named "ADASSPOSTER.pdf" with a size of 1MB and a modified time of 2015-04-22. A status dialog box is open, displaying the file link address: <http://paperdata.china-vo.org/Li.Changhua/adass2014/cloudcomputing/ADASSPOSTER.pdf>. The dialog box has a "Close" button.

Path: /adass2014/cloudcomputing/

FileType	Name	Size	modified time	Actions
	ADASSPOSTER.pdf	1MB	2015-04-22	   

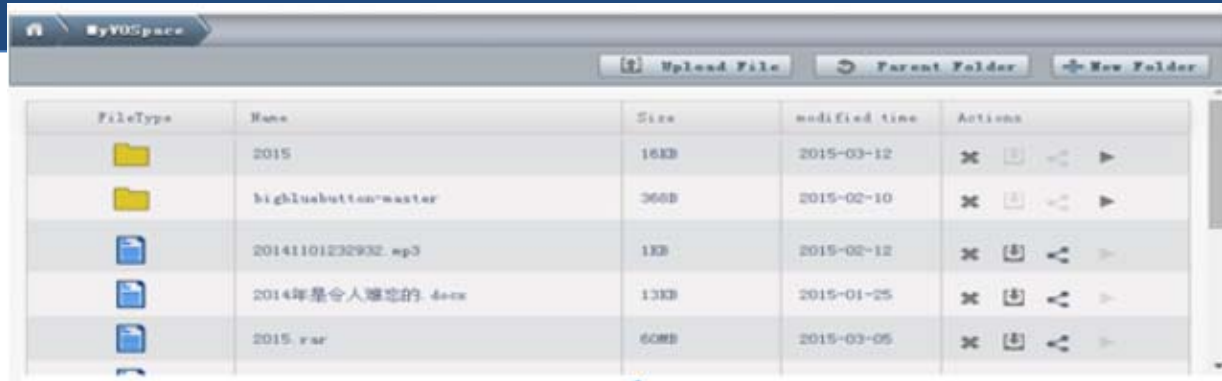
Status

file link address:

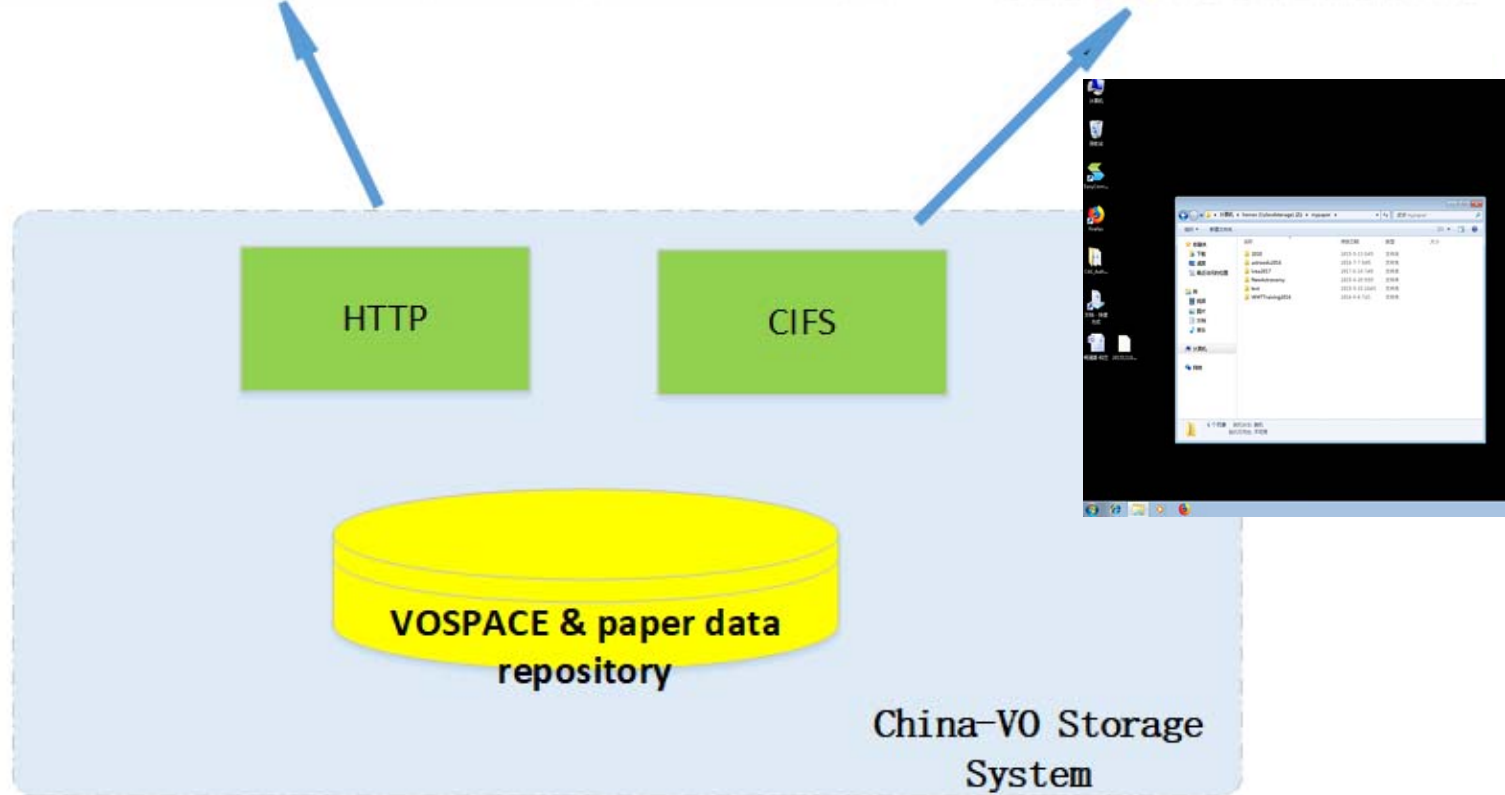
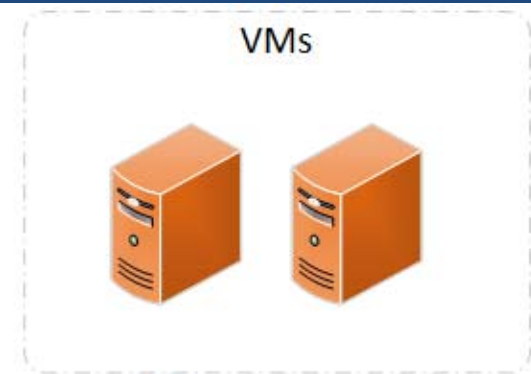
<http://paperdata.china-vo.org/Li.Changhua/adass2014/cloudcomputing/ADASSPOSTER.pdf>

Close

Diverse data access methods



FileType	Name	Size	modified time	Actions
Folder	2015	16KB	2015-03-12	✕ ⏪ ⏩ ▶
Folder	highluabutton-master	360B	2015-02-10	✕ ⏪ ⏩ ▶
File	20141101232932.mp3	13B	2015-02-12	✕ ⏪ ⏩ ▶
File	2014年是令人难忘的.docx	13KB	2015-01-25	✕ ⏪ ⏩ ▶
File	2015.rar	60MB	2015-03-05	✕ ⏪ ⏩ ▶



Stable and reliable storage system

- The distributed storage--GlusterFS

Storage for your Cloud

GlusterFS is a scalable network filesystem. Using common off-the-shelf hardware, you can create large, distributed storage solutions for media streaming, data analysis, and other data- and bandwidth-intensive tasks. GlusterFS is free and open source software.



```
time dd if=/dev/zero of=/root/cloudvol/iotest bs=16384k count=100000 conv=fsync
```

```
1677721600000 bytes (1.7 TB) copied, 2343.05 s, 716 MB/s
```

```
real 39m21.953s  
user 0m0.520s  
sys 20m29.405s
```

Servers

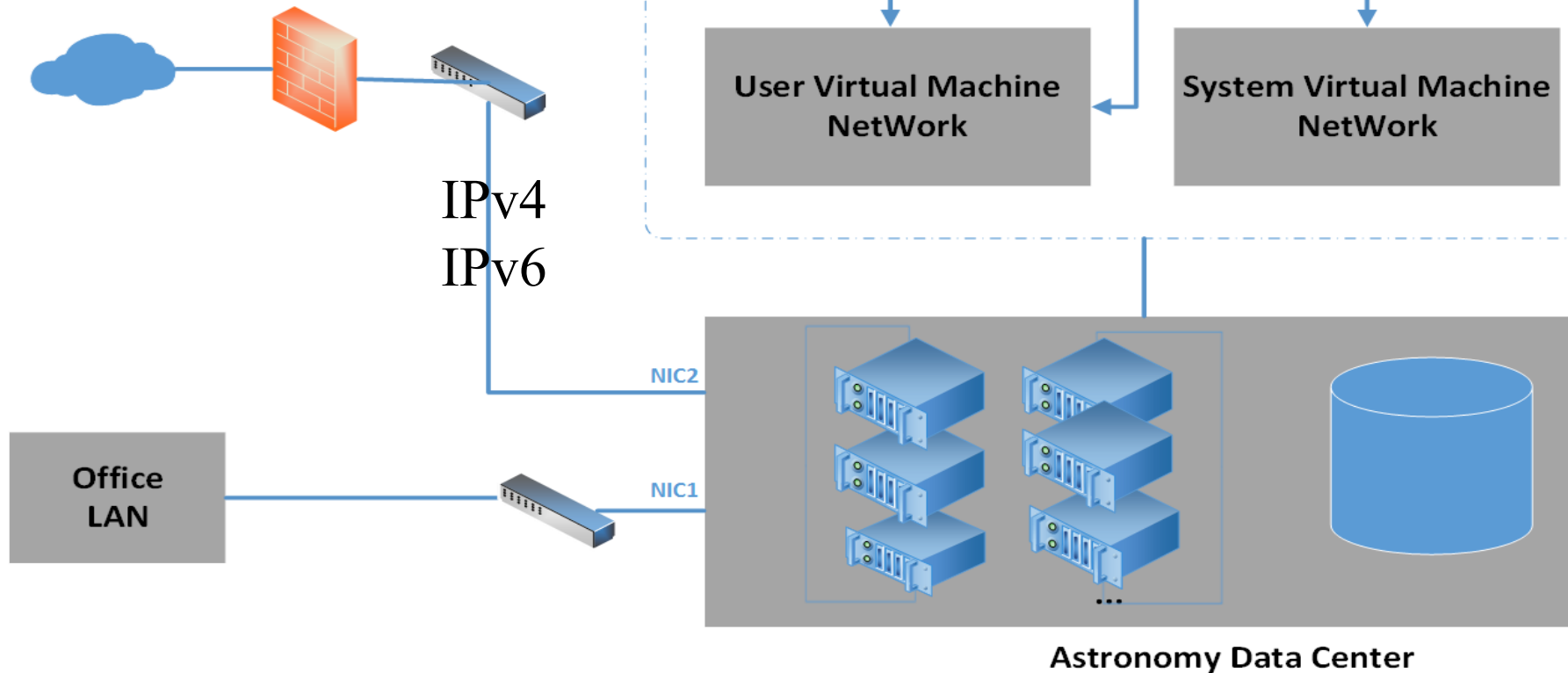
Raids

...

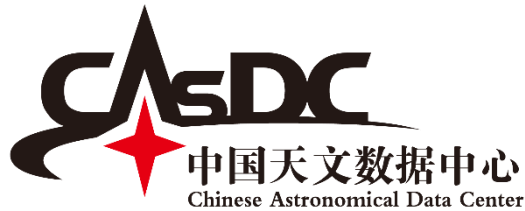
others

IPv4/6 Supported

The speed in IPv6 is 50 times faster than IPv4



Availability and Persistence



The screenshot shows the 'Community' page of the Chinese Astronomical Data Center. It features a search bar at the top, navigation tabs for 'Home', 'About', 'Community', 'Data and Services', 'Publications', 'News', and 'Events'. The main content area is titled 'Membership' and includes a 'Become a WDS Member' button. Below this, there is a 'Community' section with links for 'Membership', 'Working Groups', 'Workshops', 'WDS Members' Forum', 'SciDataCon Conference', 'Data Stewardship Award', and 'Promotion'. A 'Member Profile' table is displayed, providing details for the Chinese Astronomical Data Center as a regular member since December 13, 2011. The table includes fields for Organization Name, Membership Type, Member Since, Organization Website, Host Organization Name, Representative Name, Address, Country, and Network Affiliation. A social media bar with icons for Facebook, Twitter, LinkedIn, and YouTube is also visible.

Member Profile	
Organization Name	Chinese Astronomical Data Center
Membership Type	Regular Member
Member Since	13 Dec 2011
Organization Website	http://explore.china-vo.org/
Host Organization Name	Chinese National Astronomical Observatories, MOSTICAS
Representative Name	Cui Chenzhou
Address	20A Datun road, Chaoyang District, Beijing 100012
Country	CHINA
Network Affiliation	We are hosting the Chinese Virtual Observatory project, which is a member of IACA.

The screenshot shows the 'Certified Repositories' page of the CORE TRUST SEAL website. It features a navigation bar with 'Home', 'About', 'Certification', 'Certified Repositories', 'Apply', and 'Contact'. The main content area displays a world map with colored markers indicating the locations of certified repositories. A legend on the left side of the map lists the following counts: WDS Certified Repositories (51), DSA Certified Repositories (41), DSA & WDS Certified Repositories (5), and CTS Certified Repositories (33). Below the map, there is a search bar for markers and a list of repository entries. The first entry is for the Chinese Astronomical Data Center, which is a WDS Regular Member since 2017-2019. The second entry is for the CSIRO Data Access Portal.

Repository Name	Count
WDS Certified Repositories	51
DSA Certified Repositories	41
DSA & WDS Certified Repositories	5
CTS Certified Repositories	33

China-VO

Thank You!



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China-VO