

STORK: A Scheduler for Data Placement Activities

Data placement activities as "first class citizens" in the Grid just like the computational jobs.
<http://storkproject.org>

Ex: **submit file**

```
[ dest_url = "gsiftp://eric1.loni.org/scratch/user/";  
arguments = "-p 4 -dbg -vb";  
src_url = "file:///home/user/test/";  
dap_type = "transfer";  
verify_checksum = true;  
verify_filesize = true;  
set_permission = "755" ;  
recursive_copy = true;  
network_check = true;  
checkpoint_transfer = true;  
output = "user.out";  
err = "user.err";  
log = "userjob.log"; ]
```



Protocols:

file:/	->	local file
ftp://	->	FTP
http://	->	HTTP
gsiftp://	->	GridFTP
srb://	->	SRB (Storage Resource Broker)
irods://	->	iRODS

Extended list of features :

- Recursive directory copy
- Checksum and file size comparison
- File Permission Modification
- Support for heterogeneously
- Protocol translation using Stork memory buffer/Disk Cache
- Flexible Job Representation and Multilevel Policy Support
- Run-time adaptation
- Dynamic protocol selection, Run-time Protocol Auto-tuning
- Failure Recovery and Efficient Resource Utilization