



globus online

# Advanced Endpoint Configuration

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# Path Restriction

- **By default all paths are allowed, and access control is handled by the OS.**
- **RestrictPaths = A comma separated list of full paths that clients may access**
- **Each path may be prefixed by R and/or W, denoting read or write access, or N to explicitly deny access to a path.**
- **'~' for authenticated user's home directory, and \* may be used for simple wildcard matching.**
- **Examples:**
  - Allow read to /data and full access to user's home directory:  
– RestrictPaths = RW~,R/data
  - Allow full access to home directory, but deny hidden files there:  
– RestrictPaths = RW~,N~/.\*



# Sharing Path Restriction

- **Same syntax as RestrictPaths**
- **Defines additional restrictions on which paths that sharing clients may access**



# Per user sharing control

- **SharingFile = False (default)**
  - Sharing is enabled for all users when 'Sharing = True'
- **If SharingFile is set to True**
  - Sharing is enabled only for users who have the file `~/.globus_sharing`.
- **Or SharingFile can be set to a path that must exist in order for sharing to be enabled.**
  - For instance, `SharingFile = "/var/globusonline/sharing/$USER"` will enable sharing for any user for which a file exists in `/var/globusonline/sharing/`



# Host certificate

- **If you want to use a host certificate for the GridFTP server**
  - Comment 'FetchCredentialFromRelay = True'
  - Set CertificateFile = <path to the host certificate>
  - Set KeyFile = <path to private key associated with the host certificate>
  - Set TrustedCertificateDirectory = <path to trust roots>



# CILogon issued user certificates

- **If you want to allow CILogon issued certificates for authentication**
  - You need to have your organization allow CILogon to release ePPN attribute in the certificate
  - Set AuthorizationMethod = CILogon in the globus connect multiuser configuration
  - Set CILogonIdentityProvider = <your institution as listed in the CILogon's identity provider list>
  - Add CILogon CA to your trustroots (/var/lib/globus-connect-multiuser/grid-security/certificates/)



# Setting up additional GridFTP servers for your endpoint

```
curl -LOs http://www.globus.org/ftppub/gt5/5.2/stable/  
installers/repo/globus-repository-5.2-stable-  
oneirc_0.0.3_all.deb
```

```
sudo dpkg -i globus-repository-5.2-stable-  
oneirc_0.0.3_all.deb
```

```
sudo aptitude update
```

```
sudo aptitude -y install globus-connect-multiuser
```

```
sudo vi /etc/globus-connect-multiuser.conf
```

```
<-- comment 'Server = %(HOSTNAME)s' in 'MyProxy Config'
```

```
Copy contents of '/var/lib/globus-connect-multiuser/grid-  
security/certificates/' from the first machine to same  
location on this machine
```

```
sudo globus-connect-multiuser-setup <-- enter Globus  
Online username and password
```



# Setting up an anonymous endpoint

- **globus-gridftp-server -aa -anonymous-user <user>**
- **-anonymous-user <user>** needed if run as root
- **endpoint-add <name> -p ftp://<host>:<port>**
- **endpoint-modify --myproxy-server=myproxy.globusonline.org**



## For More Information

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  - Papers
  - Case Studies
- **Contact [support@globusonline.org](mailto:support@globusonline.org) for:**
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