



# FTS IPv6 Reporting

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for the FTS team**

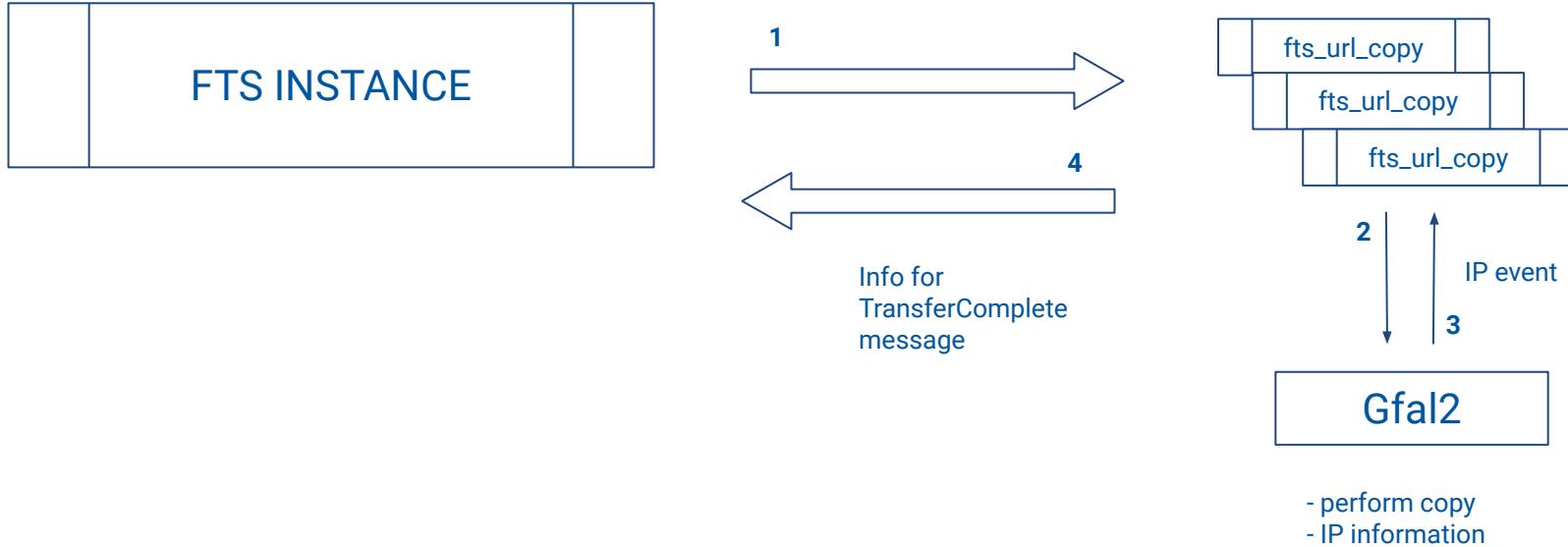
# FTS Instance (monitoring messages enabled)



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```
Transfer completed
{
...
"ipv6" = <true/false>
...
}
```

# FTS Transfer - IP Stack event



# IP Stack events

- Implemented only for Gfal2 GridFTP plugin
- Gfal2 XRootd Plugin:
  - We are interested in the IP used during the TPC between <src> and <dst>
  - XRD\_NETWORKSTACK variable is not sufficient
  - [xrootd/xrootd#1471](#) and [xrootd/xrootd#1472](#)
- Gfal2 HTTP Plugin - To Be Investigated
- Work planned to start in September 2021



# Requesting IPv4/6 in FTS

- At submission time:

```
fts-rest-transfer-submit --ipv4 / --ipv6
```

- Server Configuration:

```
StorageEndpoint: ipv4 / ipv6
```

- Gfal2 configuration (to allow / disallow use of IPv6 - only for GridFTP plugin)

```
gsiftp_plugin.conf: IPV6=TRUE
```

## Priority Order:

- user submission
- server configuration
- default (no IP policy preference)





**FTS**  
File Transfer Service

- 🌐 [cern.ch/fts](http://cern.ch/fts)
- ✉️ [fts-devel@cern.ch](mailto:fts-devel@cern.ch)
- ⬇️ <https://gitlab.cern.ch/fts/fts3>
- ⬇️ <https://gitlab.cern.ch/dmc/gfal2>