StoRM WebDAV TPC support update

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DOMA TPC meeting

October 24th 2018

TPC support in StoRM WebDAV

TPC support has been added to StoRM WebDAV 1.1.0

- currently a pre-release version (1.1.0-SNAPSHOT)

Delegation only supported via bearer tokens

- No support for GSI delegation
- Client issuing TPC requests should use the **TransferHeaderAuthorization** header to pass the token that will be used for authn/authz at the remote endpoint

Currently deployed in production for ATLAS @ CNAF at:

- https://gridftp-storm-atlas.cr.cnaf.infn.it:8443

Other interested sites (QMUL) in deploying this pre-release package can contact me to get info on where to get packages, etc…

- Documentation still missing

How to get a token out of StoRM WebDAV?

StoRM WebDAV now implements an embedded OAuth authorization server

- initial support for OAuth AuthZ server metadata
  - https://gridftp-storm-atlas.cr.cnaf.infn.it:8443/.well-known/oauth-authorization-server
- Support for GSI+VOMS authenticated client_credentials flow to get a token
  - the token will grant the same privileges that the proxy would provide
  - the token lifetime is limited by the server maximum token lifetime (configurable) and by VOMS attributes lifetime
  - token lifetime can be limited with the lifetime request parameter (which brings the requested token lifetime in seconds)

Example token request (for a token valid for 1 hour):

- curl -X POST ${X509_PROXY_OPTS} -d grant_type=client_credentials -d lifetime=3600 https://gridftp-storm-atlas.cr.cnaf.infn.it:8443/oauth/token