GitHub

OSG: topology

<username>: topology (fork)

Must exist prior

OSG Connect REST API

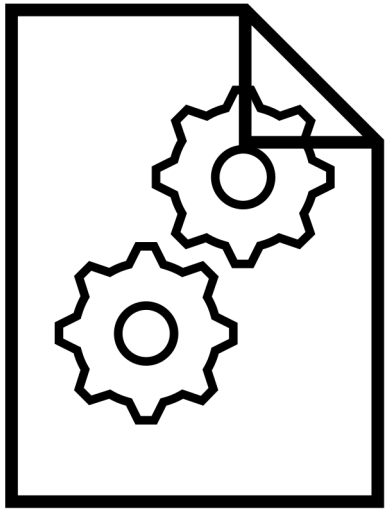
Local Machine / Server

Files

OSG API Access Token

GH Token

Osg-topology-sync



GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

Local Machine / Server

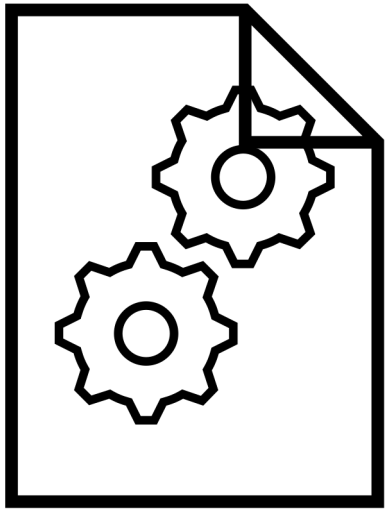
Files

OSG API Access Token

GH Token

1. Read in credentials

Osg-topology-sync



GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

2. Clone topology
to tmpdir

Local Machine / Server

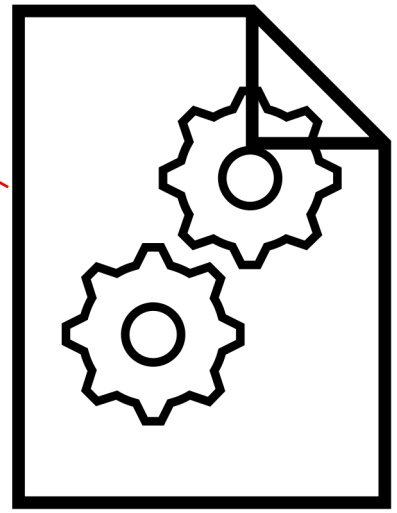
Files

/tmpdir/topology

OSG API Access Token

GH Token

Osg-topology-sync



GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

3. Obtain list of osg projects and creation dates

Local Machine / Server

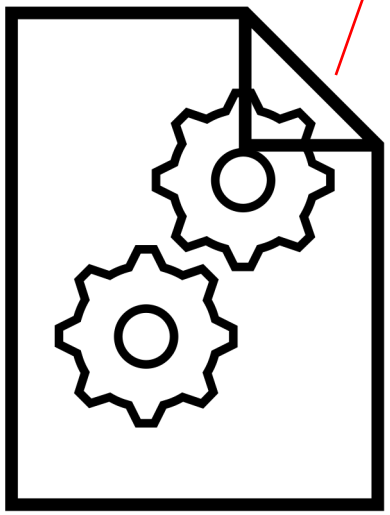
Files

/tmpdir/topology

OSG API Access Token

GH Token

Osg-topology-sync



```
('root.osg.GATech_Brown', 'vbmSPA', datetime.datetime(2020, 3, 23, 18, 40, 46, 716576))
('root.osg.snada', 'social network analysis  ', datetime.datetime(2019, 12, 19, 1, 26, 51, 435423))
('root.osg.sPHENIX', 'sPHENIX  ', datetime.datetime(2019, 12, 19, 1, 26, 17, 87695))
('root.osg.psims', 'psims  ', datetime.datetime(2019, 12, 19, 1, 25, 52, 75928))
('root.osg.BDEML', 'prediction of bond dissocation energy  ', datetime.datetime(2019, 12, 19, 0, 59, 40, 481857))
('root.osg.UCF_Wiegand', 'predictTraffic', datetime.datetime(2019, 12, 19, 1, 17, 41, 121026))
('root.osg.polymer', 'polymer  ', datetime.datetime(2019, 12, 19, 1, 25, 46, 948783))
('root.osg.MCSimulations', 'osg.wsuhep  ', datetime.datetime(2019, 12, 19, 1, 9, 18, 328823))
('root.osg', 'osg', datetime.datetime(2019, 12, 19, 0, 58, 48, 329079))
('root.osg.nicesims', 'nicesims  ', datetime.datetime(2019, 12, 19, 1, 24, 48, 485457))
('root.osg.GWU_TikidjiHamburyan', 'modeling neural activity and connectivity in the critical period of brain
development and after', datetime.datetime(2020, 1, 31, 19, 15, 45, 415488))
('root.osg.aprime', 'massive photon detection simulations  ', datetime.datetime(2019, 12, 19, 1, 21, 39, 200355))
('root.osg.BaylorCM_Hirschi', 'mRNA Processing Pipeline', datetime.datetime(2020, 9, 4, 21, 39, 13, 925338))
('root.osg.login-nodes.login05', 'login05.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 6, 527293))
('root.osg.login-nodes.login04', 'login04.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 5, 724784))
('root.osg.login-nodes.login03', 'login03.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 4, 239278))
('root.osg.login-nodes.login02', 'login02.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 3, 210665))
```

GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

Files

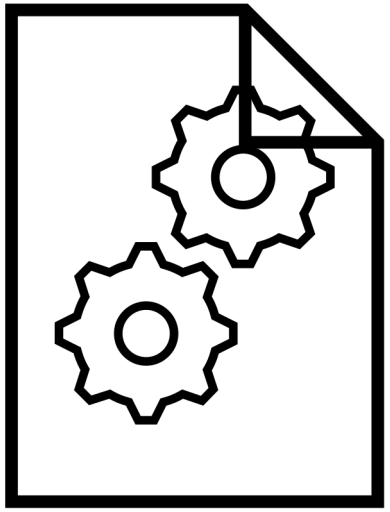
/tmpdir/topology

OSG API Access Token

GH Token

Local Machine / Server

Osg-topology-sync



4. Filter for projects added in last 24 hours

```
('root.osg.GATech_Brown', 'vbmSPA', datetime.datetime(2020, 3, 23, 18, 40, 46, 716576))
('root.osg.snada', 'social network analysis  ', datetime.datetime(2019, 12, 19, 1, 26, 51, 435423))
('root.osg.sPHENIX', 'sPHENIX  ', datetime.datetime(2019, 12, 19, 1, 26, 17, 87695))
('root.osg.psims', 'psims  ', datetime.datetime(2019, 12, 19, 1, 25, 52, 75928))
('root.osg.BDEML', 'prediction of bond dissocation energy  ', datetime.datetime(2019, 12, 19, 0, 59, 40, 481857))
('root.osg.UCF_Wiegand', 'predictTraffic', datetime.datetime(2019, 12, 19, 1, 17, 41, 121026))
('root.osg.polymer', 'polymer  ', datetime.datetime(2019, 12, 19, 1, 25, 46, 948783))
('root.osg.MCSimulations', 'osg.wsuhep  ', datetime.datetime(2019, 12, 19, 1, 9, 18, 328823))
('root.osg', 'osg', datetime.datetime(2019, 12, 19, 0, 58, 48, 329079))
('root.osg.nicesims', 'nicesims  ', datetime.datetime(2019, 12, 19, 1, 24, 48, 485457))
('root.osg.GWU_TikidjiHamburyan', 'modeling neural activity and connectivity in the critical period of brain
development and after', datetime.datetime(2020, 1, 31, 19, 15, 45, 415488))
('root.osg.aprime', 'massive photon detection simulations  ', datetime.datetime(2019, 12, 19, 1, 21, 39, 200355))
('root.osg.BaylorCM_Hirschi', 'mRNA Processing Pipeline', datetime.datetime(2020, 9, 4, 21, 39, 13, 925338))
('root.osg.login-nodes.login05', 'login05.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 6, 527293))
('root.osg.login-nodes.login04', 'login04.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 5, 724784))
('root.osg.login-nodes.login03', 'login03.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 4, 239278))
('root.osg.login-nodes.login02', 'login02.osgconnect.net', datetime.datetime(2019, 12, 19, 1, 28, 3, 210665))
```

GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

5. For each newly added project, that doesn't have a corresponding <project>.yaml file, create one , commit, and push to fork.

Local Machine / Server

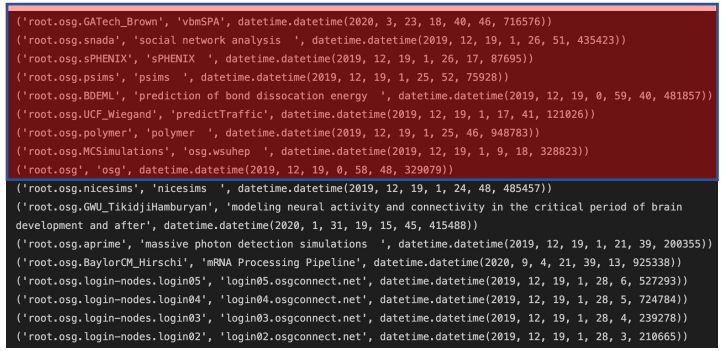
Files

Project.yaml

/tmpdir/topology

OSG API Access Token

Osg-topology-sync



GitHub

OSG: topology

<username>: topology (fork)

OSG Connect REST API

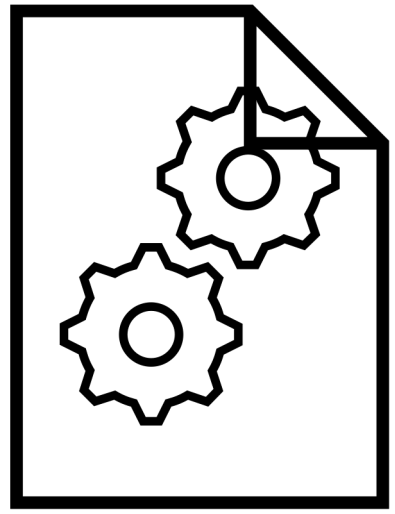
6. Create pull request

Local Machine / Server

Files

Project.yaml

/tmpdir/topology

OSG API Access Token

Osg-topology-sync