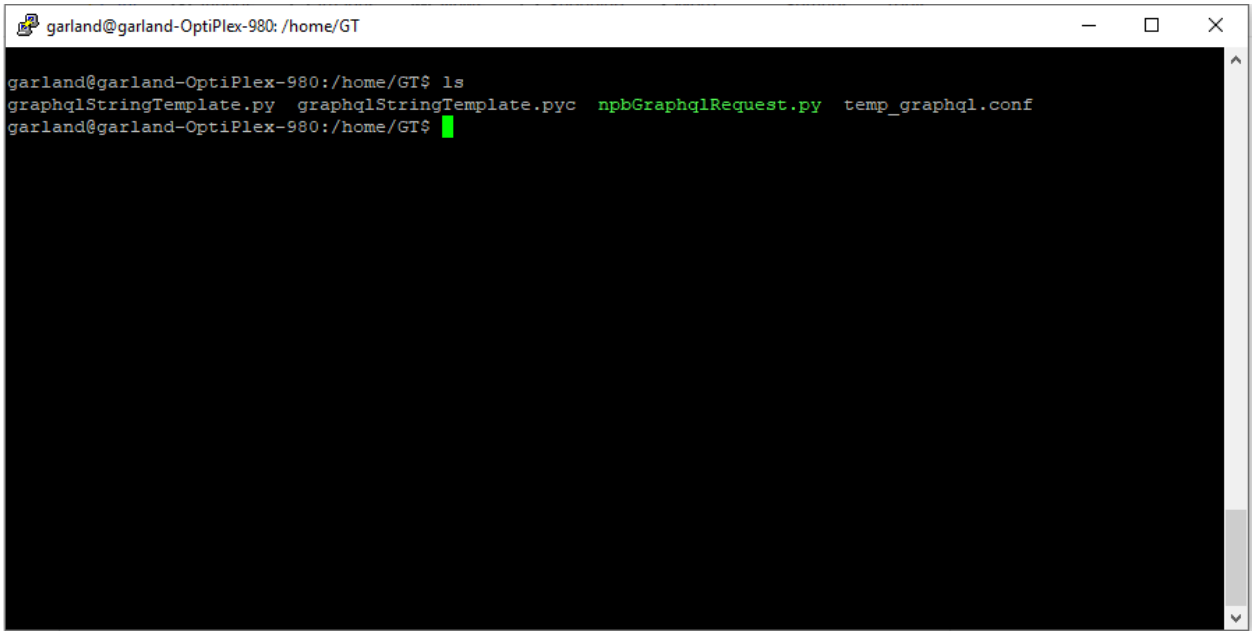
AA1G52

The Advanced Aggregators may be configured via the Restful API. The procedure outlined in this document was created using a Linux server with Python. This document does not describe setting up a Linux server or installing Python.

There are two Python commands necessary to configure an Advanced Aggregator.

./npbGraphqlRequest.py token

./npbGraphqlRequest.py mutation



Note: All of the commands and responses that follow were entered and received on the SSH session established with the Linux server.

1) Receive a Token. ./npbGraphqlRequest.py token

A token must be active to the Advanced Aggregator. Tokens are active for 30 minutes.

1. Enter the following command to receive a token.

```
garland@garland-PowerEdge-T130:~/Support$ ./npbGraphqlRequest.py token
#Input server IP address (Default:xxx.xxx.xxx.xxx):
```

2. The Input server IP Address prompt will be received. The default displayed will be the IP Address of last Advanced Aggregator a token was successfully received. If the default IP Address is correct, simply press the “Enter” key. If not then enter the new IP Address for the desired unit and press the “Enter” key.

3. Enter the Username, (default = admin)

```
#Input Username:
admin
```

4. Enter the Password, (default = gtadmin1)

```
#Input Password:
gtadmin1

---------------------------------

Token:

Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJwYXNzd29yZCI6ImFjOTI2YThmMjZhOWE1YjQyZjBiOGJhN
GY1NzA4MjRmMjIwMTY5YmRhYjBiY2UyMjc3NzZmYTk1MDkyNzlmNjgiLCJyb2xlIjoxLCJuYW1lIjoiYWRtaW4
iLCJleHAiOjk4ODU3ODgzMX0.J8Ny9KCTc7AucOnAcK8q_orbdY9csjxjw9xdnOqiaKY

cURL command example:

curl http://xxx.xxx.xxx.xxx/api/graphql/interface\?username=admin\&password=gtadmin1
```

The Advanced Aggregator will respond with the active token and associated Curl Command.

2) Perform a mutation. ./npbGraphqlRequest.py mutation

1. Enter the command to perform a mutation to the Advanced Aggregator. A mutation will allow changes to the Advanced Aggregator's database.

```
garland@garland-PowerEdge-T130:~/Support$ ./npbGraphqlRequest.py mutation
#Input server IP address (Default:xxx.xxx.xxx.xxx):
```

2. Press the "Enter" key.

```
#Input valid token :

## Default: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJwYXNzd29yZCI6ImFjOTI2YThmMjZhOWE1
YjQyZjBiOGJhNGY1NzA4MjRmMjIwMTY5YmRhYjBiY2UyMjc3NzZmYTk1MDkyNzlmNjgiLCJ
yb2xlIjoxLCJuYW1lIjoiYWRtaW4iLCJleHAiOjk4MDgzOTkwMH0.yCX5KaCDotGuo6XALIRbx
eiHgCFuHjBJzThSTcgxtcU
```

The Advanced Aggregator will respond with the active token.

3. Press the "Enter" key.

The Advanced Aggregator will respond with the supported mutation commands.

```
#Select supported mutation ['deleteEPG', 'addTimeServer', 'createPassFilter',
'updateMappingRule', 'setARPProxy', 'addDNSSettings', 'doNPBRestore',
'addSyslogSettings', 'doNPBReboot', 'deleteDNSSettings', 'setSessionLoadBalance',
'createMPG', 'addRADIUS', 'doSwitchUpgrade', 'createMirrorRule',
'clearFlowStatistics', 'deleteTimeServer', 'deleteTunnelPort', 'setSNMPv2c',
'deleteMirrorRule', 'createAction', 'deleteAction', 'clearPortStatistics',
'setIPAddressSettings', 'setGlobalL2GRE', 'setUDFSettings', 'setPortMode',
'updateEPG', 'deleteVPG', 'createVPG', 'updateDropFilter', 'generateTechSupportFile',
'setGlobalMTU', 'doNPBDownloadConfig', 'deleteSyslogSettings', 'deleteMappingRule',
'setLicense', 'createMappingRule', 'updateVPG', 'updatePassFilter', 'setMatchMode',
'downloadTechSupportFile', 'changeUserPassword', 'setGlobalHash', 'createDropFilter',
'deleteDropFilter', 'deleteMPG', 'doNPBUploadConfig', 'updatePhysicalPorts',
'updateMirrorRule', 'updateMPG', 'createTunnelPort', 'setLAGMemberPortsSorted',
'createEPG', 'deletePassFilter', 'updateAction', 'deleteRADIUS']
```

4. Enter the desired mutation command, for example.

```
CreatePassFilter
```

The Advanced Aggregator will respond with the required options for the mutation command entered.

Supported mutation commands.

createPassFilter	updatePassFilter	deletePassFilter
createMPG	updateMPG	deleteMPG
createMirrorRule	updateMirrorRule	deleteMirrorRule
createAction	updateAction	deleteAction
createVPG	updateVPG	deleteVPG
createMappingRule	updateMappingRule	deleteMappingRule
createDropFilter	updateDropFilter	deleteDropFilter
createEPG	updateEPG	deleteEPG
createTunnelPort	deleteTunnelPort	
addRADIUS	deleteRADIUS	
addSyslogSettings	deleteSyslogSettings	
addDNSSettings	deleteDNSSettings	
addTimeServer	deleteTimeServer	
doSwitchUpgrade		
doNPBRestore		
doNPBReboot		
doNPBUploadConfig	doNPBDownloadConfig	
generateTechSupportFile	downloadTechSupportFile	
setARPProxy	setLAGMemberPortsSorted	setGlobalHash
setMatchMode	setGlobalMTU	setLicense
setIPAddressSettings	setGlobalL2GRE	setUDFSettings
setPortMode	setSNMPv2c	setSessionLoadBalance
clearFlowStatistics	clearPortStatistics	changeUserPassword
updatePhysicalPorts		