

GSH template exec

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[Grouper Web Services](#)

Description

Execute a GSH template via web service. v2.5.43+

Features

- Identify the template by ID
- Specify the owner object (e.g. folder)
- Can actAs another user
- This is only available with REST/JSON (not SOAP, not XML, etc)

GSH template exec

- Documentation: [SOAP](#) (click on getMembers), [REST](#) (click on getMembers)
- REST request (colon is escaped to %3A): POST /grouper-ws/servicesRest/v1_3_000/groups/aStem%3AaGroup
- (see documentation above for details): [Request object](#), [response object](#)
- [Response codes overall](#)
- [Samples](#) (all files without "Lite" in them, click on "download" to see files)

Example of sending JSON output in an output line

POST https://grouperWs.school.edu/grouper-ws/servicesRest/2.6.0/gshTemplateExec
Content-Type: application/json
Authorization: sas9f8d7sa9df87asd98f

```
{
  "WsRestGshTemplateExecRequest":{
    "ownerStemLookup":{
      "stemName":"penn:etc:templates:membershipCount"
    },
    "ownerType":"stem",
    "configId":"membershipCount",
    "wsInput": {}, // new in v4.9.4+ and v5.6.1+. arbitrary input based on the template and its needs
    "inputs":[
      {
        "name":"gsh_input_groupName",
        "value":"test:testGroup"
      }
    ]
  }
}
```

RESPONSE

```
STATUS: 200
x-grouper-resultcode: SUCCESS
x-grouper-resultcode2: NONE
x-grouper-success: T
{
  "WsGshTemplateExecResult":{
    "resultMetadata":{
      "success":"T",
      "resultCode":"SUCCESS",
      "resultMessage":"Success for: clientVersion: 2.6.0, configId: membershipCount, ownerType: stem ,
inputs: Array size: 1: [0]: edu.internet2.middleware.grouper.ws.coresoap.WsGshTemplateInput@106d7e5e\n\n,
actAsSubject: null, paramNames: \n, params: null"
    },
    "gshOutputLines":[
      {
        "messageType":"success",
        "text":"{\"totalMembershipCount\":3,\"immediateMembershipCount\":3}"
      }
    ],
    "responseMetadata":{
      "serverVersion":"2.5.55",
      "resultWarnings":", Client version: 2.6.0 is greater than (major/minor) server version: 2.5.55, Client
version: 2.6.0 is greater than (major/minor) server version: 2.5.55",
      "millis":"4046"
    },
    "gshValidationLines":[
      ]
    "transaction":true
  }
}
```