

# v1.6.0 Assign Attributes

## Description

Assign or remove attributes and values of attribute assignments. These attributes can be on groups, stems, members, memberships (immediate or any), attribute definitions, or on assignments of attributes (one level deep).

You can lookup attributes by attribute definition name, or attribute definition id

All assignments will be filtered for security based on the logged in or acted as user (security rules are on [attribute framework wiki](#))

The returned data will include the attribute assignments, value(s) on those assignments, and a normalized list of references (owner objects e.g. group/stem/etc, attribute definitions, attribute names, etc), if things changed or were already assigned, etc

You can assign attributes to multiple owners, definitions, actions, etc

attributeAssignType is a required field, must be: group, member, stem, any\_mem, imm\_mem, attr\_def, group\_asgn, mem\_asgn, stem\_asgn, any\_mem\_asgn, imm\_mem\_asgn, attr\_def\_asgn

attributeAssignOperation is required and is the operation to perform for attribute on owners, from enum AttributeAssignOperation: assign\_attr, add\_attr, remove\_attr, replace\_attr. In this case, assigning an attribute will not assign if already there. add\_attr will add this assignment even if it is already there (attribute definition must allow multi assignments)

attributeAssignValueOperation is required if passing values to assign. It is the operation to perform for attribute value on attribute assignments: assign\_value, add\_value, remove\_value, replace\_values. Like the attribute assign operation, assign\_value will assign if not there, or ignore if already there. add\_value will add even if assigned. And replace\_values will remove orphans not in the assign list.

## Features

- Can pass owners, actions, values, etc. If multiples are passed, then each attribute def name will be assigned for each action on each owner.
- Lookup owner or other objects by object lookup (by id, name, etc)
- Returns group / subject information, can be detailed or not
- Can actAs another user

## Assign attributes lite service

- Accepts one group, or one subject, or stem, one attribute definition name, one action to assign, one value (optional)
- Documentation: [SOAP](#) (click on assignAttributesLite), [REST](#) (click on assignAttributesLite)
- For REST, the request can put data in query string (in URL or request body)
- REST request (colon is escaped to %3A):
  - PUT /grouper-ws/servicesRest/v1\_6\_000/assignAttributes
  - Note: if passing data in request body e.g. actAs, use a POST
- (see documentation above for details): [Request object](#), [response object](#)
- [Response codes](#)
- [Samples](#) (all files with "Lite" in them, click on "download" to see file)

## Get attribute assignments service

- Accepts multiple groups or subjects or memberhplds (or combination) etc, attribute definitions, actions, etc to assign
- Documentation: [SOAP](#) (click on assignAttributes), [REST](#) (click on assignAttributes)
- REST request (colon is escaped to %3A):
  - POST /grouper-ws/servicesRest/v1\_6\_000/assignAttributes
- (see documentation above for details): [Request object](#), [response object](#)
- [Response codes overall](#)
- Returns an overall status
- [Samples](#) (all files without "Lite" in them, click on "download" to see files)