

U of Washington Group Service Statistics, Jan, 2016

Introduction

This is intended as a reference data point for questions relating to the "most common" or "most heavily used" components of a group service. It represents UW's group service activity from Jan 1 through Jan 27, 2016.

The service's API is mostly described in the swagger doc: [UW group service](#).

A couple of points regarding the usage and resources:

1. Everything into or out of the group service goes through the API. There is no behind-the-scenes marshaling of groups or members.
2. Group membership is of two types: direct and effective. Effective being all direct members plus all effective members of member groups. The difference is important.
 - a. Direct membership is generally the concern when the group is managed.
 - b. Effective membership is generally the concern when the group is referenced--for authorization, mailing lists, etc.
3. We use PUT to either create or update a group or its membership.



There was an interesting email thread on the [TIER-API list](#) about this data. See subject "group service api usage statistics", January 29, 2016.

Usage statistics for January

action	resource	accesses	rank	comments
get	effective member	19923850	1	this is a test if an entity is an effective member of a group
get	effective membership	4640478	2	I suspect some downstream caching of group membership
get	group	3134336	3	some of this is automatic updates of course groups and other institutional groups
put	group	2283918	4	ditto
get	direct membership	2049067	5	
put	direct membership	999822	6	mostly courses and other automatic, institutional group maintenance
get	search by effective member	899308	7	gets all groups by an effective member. Our IdP uses this to populate group membership attributes.
get	search by stem	503675	8	one way for people to find all their groups
get	search by direct member	367650	9	
put	member	259579	10	adds one or more members to a group
get	member	108374	11	test if an entity is a direct member of a group
delete	member	89706	12	
get	search by name	22512	13	a way to find groups, allows wildcard characters
delete	group	426	14	some people apparently clean up after themselves
delete	membership	71	15	starting over I suppose