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Chapter 1. Overview

Access Grouper through the UHGroupings API.

1.1. Version information

Version: version 2.1

1.2. Contact information

Contact: University of Hawaii

Contact Email: ITS-IAM-WEB-APP-DEV-HELP-L@LISTS.HAWAII.EDU

1.3. License information

License: License of API (no link yet)

License URL : API license URL (replace me)

Terms of service: Terms of service URL (replace me)

1.4. URI scheme

Host : localhost *BasePath* : /

1.5. Tags

• basic-error-controller : Basic Error Controller

- groupings-rest-controllerv-2_1 : Groupings Rest Controllerv 2_1
- home-controller: Home Controller
- operation-handler : Operation Handler
- web-mvc-endpoint-handler-mapping : Web Mvc Endpoint Handler Mapping

Chapter 2. Resources

2.1. Basic-error-controller

Basic Error Controller

2.1.1. error

POST /error

Responses

HTTP Code	Description	Schema
200	ОК	< string, object > map
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

• /

2.1.2. error

GET /error

HTTP Code	Description	Schema
200	OK	< string, object > map
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

• /

2.1.3. error

PUT /error

Responses

HTTP Code	Description	Schema
200	ОК	< string, object > map
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

• /

2.1.4. error

DELETE /error

Responses

HTTP Code	Description	Schema
200	OK	< string, object > map
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Produces

• /

2.1.5. error

PATCH /error

Responses

HTTP Code	Description	Schema
200	OK	< string, object > map
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

application/json

Produces

• /

2.1.6. error

HEAD /error

Responses

HTTP Code	Description	Schema
200	OK	< string, object > map
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

application/json

Produces

• /

2.1.7. error

OPTIONS /error

Responses

HTTP Code	Description	Schema
200	OK	< string, object > map
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

• application/json

Produces

• /

${\bf 2.2.\ Groupings\text{-}rest\text{-}controllerv\text{-}2_1}$

Groupings Rest Controllerv 2_1

2.2.1. hello

GET /api/groupings/v2.1/

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• /

2.2.2. addNewAdmin

POST /api/groupings/v2.1/admins/{uid}

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	OK	GroupingsService Result
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.3. deleteNewAdmin

DELETE /api/groupings/v2.1/admins/{uid}

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	GroupingsService Result
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Produces

• application/json

2.2.4. adminsGroupings

GET /api/groupings/v2.1/adminsGroupings

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string

Responses

HTTP Code	Description	Schema
200	ок	AdminListsHolder
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• application/json

2.2.5. addNewGrouping

POST /api/groupings/v2.1/groupings/{path}

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string

HTTP Code	Description	Schema
200	OK	<pre>< GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.6. getGrouping

GET /api/groupings/v2.1/groupings/{path}

Type	Name	Description	Schema
Header	<pre>current_user required</pre>	current_user	string
Path	path required	path	string
Query	isAscending optional	isAscending	boolean
Query	page optional	page	integer(int32)
Query	size optional	size	integer(int32)
Query	sortString optional	sortString	string

HTTP Code	Description	Schema
200	ОК	Grouping
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• application/json

2.2.7. deleteNewGrouping

DELETE /api/groupings/v2.1/groupings/{path}

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string

Responses

HTTP Code	Description	Schema
200	OK	<pre> < GroupingsService Result > array</pre>
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Produces

• application/json

2.2.8. getGroup

GET /api/groupings/v2.1/groupings/{path}/components/{componentId}

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	componentId required	componentId	string
Path	path required	path	string

Responses

HTTP Code	Description	Schema
200	ОК	Group
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

application/json

2.2.9. getAsyncMembers

GET /api/groupings/v2.1/groupings/{path}/components/{componentId}/async

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	componentId required	componentId	string
Path	path required	path	string

HTTP Code	Description	Schema
200	OK	Group
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

• application/json

2.2.10. searchMembers

GET /api/groupings/v2.1/groupings/{path}/components/{componentId}/members/{uid}

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	componentId required	componentId	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ОК	< Person > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• application/json

2.2.11. excludeMembers

PUT /api/groupings/v2.1/groupings/{path}/excludeMembers/{uid}

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	<pre> < GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.12. deleteExclude

 ${\tt DELETE~/api/groupings/v2.1/groupings/\{path\}/excludeMembers/\{uid\}}$

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	GroupingsService Result
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

• application/json

2.2.13. optOut

PUT /api/groupings/v2.1/groupings/{path}/excludeMembers/{uid}/self

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ОК	<pre>< GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

• application/json

2.2.14. includeMembers

PUT /api/groupings/v2.1/groupings/{path}/includeMembers/{uid}

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ОК	<pre>< GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

• application/json

2.2.15. deleteInclude

DELETE /api/groupings/v2.1/groupings/{path}/includeMembers/{uid}

Туре	Name	Description	Schema
Header	current_user required	current_user	string

Туре	Name	Description	Schema
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	ОК	GroupingsService Result
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Produces

• application/json

2.2.16. optIn

PUT /api/groupings/v2.1/groupings/{path}/includeMembers/{uid}/self

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	<pre>< GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

Consumes

application/json

Produces

application/json

2.2.17. addManager

PUT /api/groupings/v2.1/groupings/{path}/managers/{uid}

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	OK	RedirectView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

application/json

2.2.18. deleteManager

DELETE /api/groupings/v2.1/groupings/{path}/managers/{uid}

Parameters

Type	Name	Description	Schema
Header	<pre>current_user required</pre>	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ок	RedirectView
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Produces

• application/json

2.2.19. disableManagerPermission

PUT /api/groupings/v2.1/groupings/{path}/managers/{uid}/permissions/{id}/disable

Type	Name	Description	Schema
Header	<pre>current_user required</pre>	current_user	string
Path	id required	id	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	RedirectView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.20. enableManagerPermission

 $PUT /api/groupings/v2.1/groupings/\{path\}/managers/\{uid\}/permissions/\{id\}/enable$

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	id required	id	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	ОК	RedirectView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

application/json

2.2.21. promoteManager

PUT /api/groupings/v2.1/groupings/{path}/managers/{uid}/promote

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	OK	RedirectView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

application/json

2.2.22. addOwner

PUT /api/groupings/v2.1/groupings/{path}/owners/{uid}

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	OK	GroupingsService Result
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

application/json

2.2.23. deleteOwner

DELETE /api/groupings/v2.1/groupings/{path}/owners/{uid}

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	GroupingsService Result
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

• application/json

2.2.24. demoteOwner

PUT /api/groupings/v2.1/groupings/{path}/owners/{uid}/demote

Parameters

Type	Name	Description	Schema
Header	<pre>current_user required</pre>	current_user	string
Path	path required	path	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ОК	RedirectView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.25. disablePreference

PUT /api/groupings/v2.1/groupings/{path}/preferences/{preferenceId}/disable

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	path required	path	string
Path	preferenceId required	preferenceId	string

Responses

HTTP Code	Description	Schema
200	ОК	<pre>< GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

application/json

Produces

• application/json

2.2.26. enablePreference

PUT /api/groupings/v2.1/groupings/{path}/preferences/{preferenceId}/enable

Туре	Name	Description	Schema
Header	current_user required	current_user	string

Type	Name	Description	Schema
Path	path required	path	string
Path	preferenceId required	preferenceId	string

HTTP Code	Description	Schema
200	OK	<pre> < GroupingsService Result > array</pre>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

• application/json

Produces

• application/json

2.2.27. managerGroupings

GET /api/groupings/v2.1/managers/{uid}/groupings

Parameters

Type	Name	Description	Schema
Path	uid required	uid	string

HTTP Code	Description	Schema
200	ОК	RedirectView
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

application/json

2.2.28. memberAttributes

GET /api/groupings/v2.1/members/{uid}

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	OK	< string, string > map
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• application/json

2.2.29. memberGroupings

GET /api/groupings/v2.1/members/{uid}/groupings

Parameters

Туре	Name	Description	Schema
Header	current_user required	current_user	string
Path	uid required	uid	string

HTTP Code	Description	Schema
200	OK	MembershipAssig nment
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

• application/json

2.2.30. ownerGroupings

GET /api/groupings/v2.1/owners/{uid}/groupings

Parameters

Type	Name	Description	Schema
Header	current_user required	current_user	string
Path	uid required	uid	string

Responses

HTTP Code	Description	Schema
200	ок	< Grouping > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• application/json

2.3. Home-controller

Home Controller

2.3.1. home

Parameters

Туре	Name	Description	Schema
Query	ISO3Country optional		string
Query	ISO3Language optional		string
Query	country optional		string
Query	displayCountr y optional		string
Query	displayLangua ge optional		string
Query	displayName optional		string
Query	displayScript optional		string
Query	displayVariant optional		string
Query	language optional		string
Query	model optional	model	object
Query	script optional		string
Query	unicodeLocale Attributes optional		< string > array(multi)
Query	unicodeLocale Keys optional		< string > array(multi)
Query	variant optional		string

HTTP Code	Description	Schema
200	ОК	string
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

• /

2.3.2. home

GET /home

Туре	Name	Description	Schema
Query	ISO3Country optional		string
Query	ISO3Language optional		string
Query	country optional		string
Query	displayCountr y optional		string
Query	displayLangua ge optional		string
Query	displayName optional		string
Query	displayScript optional		string
Query	displayVariant optional		string
Query	language optional		string
Query	model optional	model	object
Query	script optional		string
Query	unicodeLocale Attributes optional		< string > array(multi)

Type	Name	Description	Schema
Query	unicodeLocale Keys optional		< string > array(multi)
Query	variant optional		string

HTTP Code	Description	Schema
200	ОК	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

• /

2.3.3. login

GET /login

Туре	Name	Schema	
Query	ISO3Country optional	string	
Query	ISO3Language optional	string	
Query	country optional	string	
Query	displayCountry optional	string	
Query	displayLanguage optional	string	
Query	displayName optional	string	
Query	displayScript optional	string	
Query	displayVariant optional	string	

Туре	Name	Schema
Query	language optional	string
Query	script optional	string
Query	unicodeLocaleAttributes optional	< string > array(multi)
Query	unicodeLocaleKeys optional	< string > array(multi)
Query	variant optional	string

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

. /

2.4. Operation-handler

Operation Handler

2.4.1. handle

GET /actuator/health

Parameters

Type	Name	Description	Schema
Body	body optional	body	< string, string > map

HTTP Code	Description	Schema
200	OK	object

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

- application/json
- application/vnd.spring-boot.actuator.v2+json

2.4.2. handle

GET /actuator/info

Parameters

Туре	Name	Description	Schema
Body	body optional	body	< string, string > map

Responses

HTTP Code	Description	Schema
200	ОК	object
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

- application/json
- application/vnd.spring-boot.actuator.v2+json

2.5. Web-mvc-endpoint-handler-mapping

Web Mvc Endpoint Handler Mapping

2.5.1. links

GET /actuator

HTTP Code	Description	Schema
200	OK	< string, < string, Link > map > map
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Produces

- application/json
- application/vnd.spring-boot.actuator.v2+json

Chapter 3. Definitions

3.1. AdminListsHolder

Name	Schema
adminGroup optional	Group
allGroupings optional	< Grouping > array

3.2. ApplicationContext

Name	Schema
applicationName optional	string
autowireCapableBeanFactory optional	AutowireCapableBeanFactory
beanDefinitionCount optional	integer(int32)
beanDefinitionNames optional	< string > array
classLoader optional	ClassLoader
displayName optional	string
environment optional	Environment
id optional	string
<pre>parent optional</pre>	ApplicationContext
parentBeanFactory optional	BeanFactory
startupDate optional	integer(int64)

3.3. AutowireCapableBeanFactory

Type: object

3.4. BeanFactory

Type: object

3.5. ClassLoader

Name	Schema
parent optional	ClassLoader

3.6. Environment

Name	Schema
activeProfiles optional	< string > array
defaultProfiles optional	< string > array

3.7. Group

Name	Schema
members optional	< Person > array
path optional	string

3.8. Grouping

Name	Schema
basis optional	Group
composite optional	Group
exclude optional	Group
include optional	Group
listservOn optional	boolean
name optional	string
optInOn optional	boolean

Name	Schema
optOutOn optional	boolean
owners optional	Group
path optional	string
releasedGroupingOn optional	boolean

3.9. GroupingsServiceResult

Name	Schema
action optional	string
resultCode optional	string

3.10. Link

Name	Schema
href optional	string
templated optional	boolean

3.11. Map«string,Link»

Type: < string, Link > map

3.12. MembershipAssignment

Name	Schema
groupingsIn optional	< Grouping > array
groupingsToOptInTo optional	< Grouping > array

3.13. ModelAndView

Name	Schema
empty optional	boolean
model optional	object
modelMap optional	< string, object > map
reference optional	boolean
status optional	enum (100, 101, 102, 103, 200, 201, 202, 203, 204, 205, 206, 207, 208, 226, 300, 301, 302, 303, 304, 305, 307, 308, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 426, 428, 429, 431, 451, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511)
view optional	View
viewName optional	string

3.14. Person

Name	Schema
firstName optional	string
lastName optional	string
name optional	string
username optional	string
uuid optional	string

3.15. RedirectView

Name	Schema
applicationContext optional	ApplicationContext
attributesMap optional	object
beanName optional	string

Name	Schema
contentType optional	string
exposePathVariables optional	boolean
hosts optional	< string > array
propagateQueryProperties optional	boolean
redirectView optional	boolean
requestContextAttribute optional	string
staticAttributes optional	object
url optional	string

3.16. View

Name	Schema
contentType optional	string