

UHGroupings REST API

Table of Contents

1. Overview	1
1.1. Version information	1
1.2. Contact information	1
1.3. License information	1
1.4. URI scheme	1
1.5. Tags	1
2. Resources	2
2.1. Basic-error-controller	2
2.1.1. errorHtml	2
2.1.2. errorHtml	2
2.1.3. errorHtml	3
2.1.4. errorHtml	3
2.1.5. errorHtml	4
2.1.6. errorHtml	4
2.1.7. errorHtml	4
2.2. Groupings-rest-controllerv-2_1	5
2.2.1. hello	5
2.2.2. addNewAdmin	5
2.2.3. deleteNewAdmin	6
2.2.4. adminsGroupings	7
2.2.5. addNewGrouping	7
2.2.6. getGrouping	8
2.2.7. deleteNewGrouping	9
2.2.8. getGroup	9
2.2.9. searchMembers	10
2.2.10. excludeMembers	10
2.2.11. deleteExclude	11
2.2.12. optOut	12
2.2.13. includeMembers	13
2.2.14. deleteInclude	13
2.2.15. optIn	14
2.2.16. addManager	15
2.2.17. deleteManager	16
2.2.18. disableManagerPermission	16
2.2.19. enableManagerPermission	17
2.2.20. promoteManager	18
2.2.21. addOwner	18
2.2.22. deleteOwner	19

2.2.23. demoteOwner	20
2.2.24. disablePreference	21
2.2.25. enablePreference	21
2.2.26. managerGroupings	22
2.2.27. memberAttributes	23
2.2.28. memberGroupings	23
2.2.29. ownerGroupings	24
2.3. Home-controller	24
2.3.1. home	24
2.3.2. home	26
2.3.3. login	27
2.4. Operation-handler	28
2.4.1. handle	28
2.4.2. handle	29
2.5. Web-mvc-endpoint-handler-mapping	29
2.5.1. links	29
3. Definitions	31
3.1. AdminListsHolder	31
3.2. ApplicationContext	31
3.3. AutowireCapableBeanFactory	31
3.4. BeanFactory	32
3.5. ClassLoader	32
3.6. Environment	32
3.7. Group	32
3.8. Grouping	32
3.9. GroupingsServiceResult	33
3.10. Link	33
3.11. Map«string,Link»	33
3.12. MembershipAssignment	33
3.13. ModelAndView	33
3.14. Person	34
3.15. RedirectView	34
3.16. View	35

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. errorHtml

POST /error

Responses

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

Consumes

- `application/json`

Produces

- `text/html`

2.1.2. errorHtml

GET /error

Responses

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

Produces

- `text/html`

2.1.3. errorHtml

PUT /error

Responses

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

Consumes

- `application/json`

Produces

- `text/html`

2.1.4. errorHtml

DELETE /error

Responses

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

Produces

- `text/html`

2.1.5. errorHtml

PATCH /error

Responses

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

Consumes

- `application/json`

Produces

- `text/html`

2.1.6. errorHtml

HEAD /error

Responses

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

Consumes

- `application/json`

Produces

- `text/html`

2.1.7. errorHtml

OPTIONS /error

Responses

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

Consumes

- `application/json`

Produces

- `text/html`

2.2. Groupings-rest-controllerv-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

Type	Name	Description	Schema
Header	current_user <i>required</i>	current_user	string
Path	uid <i>required</i>	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}
```

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	GroupingsService Result

HTTP Code	Description	Schema
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 <i>required</i>	current_user	string

Responses

HTTP Code	Description	Schema
200	OK	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}
```

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsServiceResult > array
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}
```

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	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

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

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsService Result > array
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

Type	Name	Description	Schema
Header	current_user <i>required</i>	current_user	string
Path	componentId <i>required</i>	componentId	string
Path	path <i>required</i>	path	string

Responses

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

Produces

- `application/json`

2.2.9. searchMembers

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

Parameters

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

Responses

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

Produces

- `application/json`

2.2.10. excludeMembers

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

Parameters

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

Responses

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

Consumes

- `application/json`

Produces

- `application/json`

2.2.11. deleteExclude

```
DELETE /api/groupings/v2.1/groupings/{path}/excludeMembers/{uid}
```

Parameters

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

Responses

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

Produces

- `application/json`

2.2.12. optOut

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

Parameters

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

Responses

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

Consumes

- `application/json`

Produces

- `application/json`

2.2.13. includeMembers

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

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsServiceResult > array
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. deleteInclude

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

Parameters

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

Responses

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

Produces

- `application/json`

2.2.15. optIn

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

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsService Result > array
201	Created	No Content

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

Consumes

- `application/json`

Produces

- `application/json`

2.2.16. addManager

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

Parameters

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

2.2.17. deleteManager

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

Parameters

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

Responses

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

Produces

- `application/json`

2.2.18. disableManagerPermission

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

Parameters

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

2.2.19. enableManagerPermission

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

Parameters

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

2.2.20. promoteManager

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

Parameters

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

2.2.21. addOwner

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

Parameters

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

2.2.22. deleteOwner

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

Parameters

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

Responses

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

Produces

- `application/json`

2.2.23. demoteOwner

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

Parameters

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

2.2.24. disablePreference

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

Parameters

Type	Name	Description	Schema
Header	current_user <i>required</i>	current_user	string
Path	path <i>required</i>	path	string
Path	preferenceId <i>required</i>	preferenceId	string

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsService Result > array
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. enablePreference

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

Parameters

Type	Name	Description	Schema
Header	current_user <i>required</i>	current_user	string

Type	Name	Description	Schema
Path	path <i>required</i>	path	string
Path	preferenceId <i>required</i>	preferenceId	string

Responses

HTTP Code	Description	Schema
200	OK	< GroupingsServiceResult > array
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. managerGroupings

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

Parameters

Type	Name	Description	Schema
Path	uid <i>required</i>	uid	string

Responses

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

Produces

- `application/json`

2.2.27. memberAttributes

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

Parameters

Type	Name	Description	Schema
Header	current_user <i>required</i>	current_user	string
Path	uid <i>required</i>	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`

2.2.28. memberGroupings

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

Parameters

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

Responses

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

Produces

- `application/json`

2.2.29. ownerGroupings

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

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	< 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

GET /

Parameters

Type	Name	Description	Schema
Query	ISO3Country <i>optional</i>		string
Query	ISO3Language <i>optional</i>		string
Query	country <i>optional</i>		string
Query	displayCountry <i>optional</i>		string
Query	displayLanguage <i>optional</i>		string
Query	displayName <i>optional</i>		string
Query	displayScript <i>optional</i>		string
Query	displayVariant <i>optional</i>		string
Query	language <i>optional</i>		string
Query	model <i>optional</i>	model	object
Query	script <i>optional</i>		string
Query	unicodeLocaleAttributes <i>optional</i>		< string > array(multi)
Query	unicodeLocaleKeys <i>optional</i>		< string > array(multi)
Query	variant <i>optional</i>		string

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content

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

Produces

- /

2.3.2. home

GET /home

Parameters

Type	Name	Description	Schema
Query	ISO3Country <i>optional</i>		string
Query	ISO3Language <i>optional</i>		string
Query	country <i>optional</i>		string
Query	displayCountry <i>optional</i>		string
Query	displayLanguage <i>optional</i>		string
Query	displayName <i>optional</i>		string
Query	displayScript <i>optional</i>		string
Query	displayVariant <i>optional</i>		string
Query	language <i>optional</i>		string
Query	model <i>optional</i>	model	object
Query	script <i>optional</i>		string
Query	unicodeLocaleAttributes <i>optional</i>		< string > array(multi)

Type	Name	Description	Schema
Query	unicodeLocaleKeys <i>optional</i>		< string > array(multi)
Query	variant <i>optional</i>		string

Responses

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

Produces

• /

2.3.3. login

GET /login

Parameters

Type	Name	Schema
Query	ISO3Country <i>optional</i>	string
Query	ISO3Language <i>optional</i>	string
Query	country <i>optional</i>	string
Query	displayCountry <i>optional</i>	string
Query	displayLanguage <i>optional</i>	string
Query	displayName <i>optional</i>	string
Query	displayScript <i>optional</i>	string
Query	displayVariant <i>optional</i>	string

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

Responses

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 <i>optional</i>	body	< string, string > map

Responses

HTTP Code	Description	Schema
200	OK	object

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

Produces

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

2.4.2. handle

GET /actuator/info

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	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

Responses

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 <i>optional</i>	Group
allGroupings <i>optional</i>	< Grouping > array

3.2. ApplicationContext

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

3.3. AutowireCapableBeanFactory

Type : object

3.4. BeanFactory

Type : object

3.5. ClassLoader

Name	Schema
parent <i>optional</i>	ClassLoader

3.6. Environment

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

3.7. Group

Name	Schema
members <i>optional</i>	< Person > array
path <i>optional</i>	string

3.8. Grouping

Name	Schema
basis <i>optional</i>	Group
composite <i>optional</i>	Group
exclude <i>optional</i>	Group
include <i>optional</i>	Group
listservOn <i>optional</i>	boolean
name <i>optional</i>	string
optInOn <i>optional</i>	boolean

Name	Schema
optOutOn <i>optional</i>	boolean
owners <i>optional</i>	Group
path <i>optional</i>	string
releasedGroupingOn <i>optional</i>	boolean

3.9. GroupingsServiceResult

Name	Schema
action <i>optional</i>	string
resultCode <i>optional</i>	string

3.10. Link

Name	Schema
href <i>optional</i>	string
templated <i>optional</i>	boolean

3.11. Map«string,Link»

Type : < string, [Link](#) > map

3.12. MembershipAssignment

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

3.13. ModelAndView

Name	Schema
empty <i>optional</i>	boolean
model <i>optional</i>	object
modelMap <i>optional</i>	< string, object > map
reference <i>optional</i>	boolean
status <i>optional</i>	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 <i>optional</i>	View
viewName <i>optional</i>	string

3.14. Person

Name	Schema
firstName <i>optional</i>	string
lastName <i>optional</i>	string
name <i>optional</i>	string
username <i>optional</i>	string
uuid <i>optional</i>	string

3.15. RedirectView

Name	Schema
applicationContext <i>optional</i>	ApplicationContext
attributesMap <i>optional</i>	object
beanName <i>optional</i>	string

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

3.16. View

Name	Schema
contentType <i>optional</i>	string