



Red Hat Quay 3.8

Red Hat Quay API Guide

Red Hat Quay API Guide

Legal Notice

Copyright © 2023 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux[®] is the registered trademark of Linus Torvalds in the United States and other countries.

Java[®] is a registered trademark of Oracle and/or its affiliates.

XFS[®] is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL[®] is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js[®] is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack[®] Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

Use the Red Hat Quay API

Table of Contents

PREFACE	17
CHAPTER 1. USING THE RED HAT QUAY API	18
1.1. ACCESSING THE QUAY API FROM QUAY.IO	18
1.2. CREATE OAUTH ACCESS TOKEN	18
1.3. ACCESSING YOUR QUAY API FROM A WEB BROWSER	19
1.4. ACCESSING THE RED HAT QUAY API FROM THE COMMAND LINE	19
1.4.1. Get superuser information	19
1.4.2. Creating a superuser using the API	20
1.4.3. List usage logs	21
1.4.3.1. Example for pagination	21
1.4.4. Directory synchronization	24
1.4.5. Create a repository build via API	24
1.4.6. Create an org robot	25
1.4.7. Trigger a build	25
1.4.8. Create a private repository	25
1.4.9. Create a mirrored repository	25
CHAPTER 2. RED HAT QUAY APPLICATION PROGRAMMING INTERFACE (API)	27
2.1. AUTHORIZATION	27
Scopes	27
2.2. APPSPECIFICTOKENS	27
2.2.1. createAppToken	27
POST /api/v1/user/apptoken	27
Request body schema (application/json)	28
Responses	28
2.2.2. listAppTokens	28
GET /api/v1/user/apptoken	28
Query parameters	28
Responses	28
2.2.3. getAppToken	29
GET /api/v1/user/apptoken/{token_uuid}	29
Path parameters	29
Responses	29
2.2.4. revokeAppToken	29
DELETE /api/v1/user/apptoken/{token_uuid}	29
Path parameters	29
Responses	30
2.3. BUILD	30
2.3.1. getRepoBuildStatus	30
GET /api/v1/repository/{repository}/build/{build_uuid}/status	30
Path parameters	30
Responses	30
2.3.2. getRepoBuildLogs	31
GET /api/v1/repository/{repository}/build/{build_uuid}/logs	31
Path parameters	31
Responses	31
2.3.3. getRepoBuild	31
GET /api/v1/repository/{repository}/build/{build_uuid}	31
Path parameters	31
Responses	31

2.3.4. cancelRepoBuild	32
DELETE /api/v1/repository/{repository}/build/{build_uuid}	32
Path parameters	32
Responses	32
2.3.5. requestRepoBuild	32
POST /api/v1/repository/{repository}/build/	33
Path parameters	33
Request body schema (application/json)	33
Responses	33
2.3.6. getRepoBuilds	34
GET /api/v1/repository/{repository}/build/	34
Path parameters	34
Query parameters	34
Responses	34
2.4. DISCOVERY	34
2.4.1. discovery	35
GET /api/v1/discovery	35
Query parameters	35
Responses	35
2.5. ERROR	35
2.5.1. getErrorDescription	35
GET /api/v1/error/{error_type}	35
Path parameters	35
Responses	35
2.6. GLOBALMESSAGES	36
2.6.1. createGlobalMessage	36
POST /api/v1/messages	36
Request body schema (application/json)	36
Responses	36
2.6.2. getGlobalMessages	37
GET /api/v1/messages	37
Responses	37
2.6.3. deleteGlobalMessage	37
DELETE /api/v1/message/{uuid}	37
Path parameters	37
Responses	37
2.7. LOGS	38
2.7.1. getAggregateUserLogs	38
GET /api/v1/user/aggregatelogs	38
Query parameters	38
Responses	38
2.7.2. exportUserLogs	38
POST /api/v1/user/exportlogs	38
Query parameters	38
Request body schema (application/json)	39
Responses	39
2.7.3. listUserLogs	39
GET /api/v1/user/logs	39
Query parameters	39
Responses	40
2.7.4. getAggregateOrgLogs	40
GET /api/v1/organization/{orgname}/aggregatelogs	40
Path parameters	40

Query parameters	40
Responses	41
2.7.5. exportOrgLogs	41
POST /api/v1/organization/{orgname}/exportlogs	41
Path parameters	41
Query parameters	41
Request body schema (application/json)	42
Responses	42
2.7.6. listOrgLogs	42
GET /api/v1/organization/{orgname}/logs	42
Path parameters	42
Query parameters	42
Responses	43
2.7.7. getAggregateRepoLogs	43
GET /api/v1/repository/{repository}/aggregatelog	43
Path parameters	43
Query parameters	43
Responses	43
2.7.8. exportRepoLogs	44
POST /api/v1/repository/{repository}/exportlogs	44
Path parameters	44
Query parameters	44
Request body schema (application/json)	44
Responses	45
2.7.9. listRepoLogs	45
GET /api/v1/repository/{repository}/logs	45
Path parameters	45
Query parameters	45
Responses	45
2.8. MANIFEST	46
2.8.1. getManifestLabel	46
GET /api/v1/repository/{repository}/manifest/{manifestref}/labels/{labelid}	46
Path parameters	46
Responses	46
2.8.2. deleteManifestLabel	47
DELETE /api/v1/repository/{repository}/manifest/{manifestref}/labels/{labelid}	47
Path parameters	47
Responses	47
2.8.3. addManifestLabel	47
POST /api/v1/repository/{repository}/manifest/{manifestref}/labels	47
Path parameters	47
Request body schema (application/json)	48
Responses	48
2.8.4. listManifestLabels	48
GET /api/v1/repository/{repository}/manifest/{manifestref}/labels	48
Path parameters	48
Query parameters	48
Responses	49
2.8.5. getRepoManifest	49
GET /api/v1/repository/{repository}/manifest/{manifestref}	49
Path parameters	49
Responses	49
2.9. MIRROR	50

2.9.1. syncCancel	50
POST /api/v1/repository/{repository}/mirror/sync-cancel	50
Path parameters	50
Responses	50
2.9.2. syncNow	50
POST /api/v1/repository/{repository}/mirror/sync-now	50
Path parameters	50
Responses	51
2.9.3. getRepoMirrorConfig	51
GET /api/v1/repository/{repository}/mirror	51
Path parameters	51
Responses	51
2.9.4. changeRepoMirrorConfig	51
PUT /api/v1/repository/{repository}/mirror	51
Path parameters	52
Request body schema (application/json)	52
Responses	52
2.9.5. createRepoMirrorConfig	53
POST /api/v1/repository/{repository}/mirror	53
Path parameters	53
Request body schema (application/json)	53
Responses	54
2.10. NAMESPACEQUOTA	54
2.10.1. listUserQuota	54
GET /api/v1/user/quota	54
Responses	54
2.10.2. getOrganizationQuotaLimit	55
GET /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}	55
Path parameters	55
Responses	55
2.10.3. changeOrganizationQuotaLimit	55
PUT /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}	55
Path parameters	55
Request body schema (application/json)	56
Responses	56
2.10.4. deleteOrganizationQuotaLimit	56
DELETE /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}	56
Path parameters	56
Responses	57
2.10.5. createOrganizationQuotaLimit	57
POST /api/v1/organization/{orgname}/quota/{quota_id}/limit	57
Path parameters	57
Request body schema (application/json)	57
Responses	58
2.10.6. listOrganizationQuotaLimit	58
GET /api/v1/organization/{orgname}/quota/{quota_id}/limit	58
Path parameters	58
Responses	58
2.10.7. getUserQuotaLimit	59
GET /api/v1/user/quota/{quota_id}/limit/{limit_id}	59
Path parameters	59
Responses	59
2.10.8. listUserQuotaLimit	59

GET /api/v1/user/quota/{quota_id}/limit	59
Path parameters	59
Responses	60
2.10.9. getOrganizationQuota	60
GET /api/v1/organization/{orgname}/quota/{quota_id}	60
Path parameters	60
Responses	60
2.10.10. changeOrganizationQuota	61
PUT /api/v1/organization/{orgname}/quota/{quota_id}	61
Path parameters	61
Request body schema (application/json)	61
Responses	61
2.10.11. deleteOrganizationQuota	61
DELETE /api/v1/organization/{orgname}/quota/{quota_id}	61
Path parameters	62
Responses	62
2.10.12. createOrganizationQuota	62
POST /api/v1/organization/{orgname}/quota	62
Path parameters	62
Request body schema (application/json)	62
Responses	62
2.10.13. listOrganizationQuota	63
GET /api/v1/organization/{orgname}/quota	63
Path parameters	63
Responses	63
2.10.14. getUserQuota	63
GET /api/v1/user/quota/{quota_id}	63
Path parameters	63
Responses	64
2.11. ORGANIZATION	64
2.11.1. createOrganization	64
POST /api/v1/organization/	64
Request body schema (application/json)	64
Responses	64
2.11.2. validateProxyCacheConfig	65
POST /api/v1/organization/{orgname}/validateproxycache	65
Path parameters	65
Request body schema (application/json)	65
Responses	65
2.11.3. getOrganizationCollaborators	66
GET /api/v1/organization/{orgname}/collaborators	66
Path parameters	66
Responses	66
2.11.4. getOrganizationApplication	66
GET /api/v1/organization/{orgname}/applications/{client_id}	66
Path parameters	66
Responses	67
2.11.5. updateOrganizationApplication	67
PUT /api/v1/organization/{orgname}/applications/{client_id}	67
Path parameters	67
Request body schema (application/json)	67
Responses	68
2.11.6. deleteOrganizationApplication	68

DELETE /api/v1/organization/{orgname}/applications/{client_id}	68
Path parameters	68
Responses	68
2.11.7. createOrganizationApplication	69
POST /api/v1/organization/{orgname}/applications	69
Path parameters	69
Request body schema (application/json)	69
Responses	69
2.11.8. getOrganizationApplications	70
GET /api/v1/organization/{orgname}/applications	70
Path parameters	70
Responses	70
2.11.9. getProxyCacheConfig	70
GET /api/v1/organization/{orgname}/proxycache	70
Path parameters	71
Responses	71
2.11.10. deleteProxyCacheConfig	71
DELETE /api/v1/organization/{orgname}/proxycache	71
Path parameters	71
Responses	71
2.11.11. createProxyCacheConfig	72
POST /api/v1/organization/{orgname}/proxycache	72
Path parameters	72
Request body schema (application/json)	72
Responses	72
2.11.12. getOrganizationMember	72
GET /api/v1/organization/{orgname}/members/{membername}	72
Path parameters	72
Responses	73
2.11.13. removeOrganizationMember	73
DELETE /api/v1/organization/{orgname}/members/{membername}	73
Path parameters	73
Responses	73
2.11.14. getOrganizationMembers	74
GET /api/v1/organization/{orgname}/members	74
Path parameters	74
Responses	74
2.11.15. getOrganization	74
GET /api/v1/organization/{orgname}	74
Path parameters	74
Responses	75
2.11.16. changeOrganizationDetails	75
PUT /api/v1/organization/{orgname}	75
Path parameters	75
Request body schema (application/json)	75
Responses	76
2.11.17. deleteAdminedOrganization	76
DELETE /api/v1/organization/{orgname}	76
Path parameters	76
Responses	76
2.11.18. getApplicationInformation	77
GET /api/v1/app/{client_id}	77
Path parameters	77

Responses	77
2.12. PERMISSION	77
2.12.1. getUserTransitivePermission	77
GET /api/v1/repository/{repository}/permissions/user/{username}/transitive	77
Path parameters	77
Responses	78
2.12.2. getUserPermissions	78
GET /api/v1/repository/{repository}/permissions/user/{username}	78
Path parameters	78
Responses	78
2.12.3. changeUserPermissions	79
PUT /api/v1/repository/{repository}/permissions/user/{username}	79
Path parameters	79
Request body schema (application/json)	79
Responses	79
2.12.4. deleteUserPermissions	80
DELETE /api/v1/repository/{repository}/permissions/user/{username}	80
Path parameters	80
Responses	80
2.12.5. getTeamPermissions	80
GET /api/v1/repository/{repository}/permissions/team/{teamname}	80
Path parameters	80
Responses	80
2.12.6. changeTeamPermissions	81
PUT /api/v1/repository/{repository}/permissions/team/{teamname}	81
Path parameters	81
Request body schema (application/json)	81
Responses	81
2.12.7. deleteTeamPermissions	82
DELETE /api/v1/repository/{repository}/permissions/team/{teamname}	82
Path parameters	82
Responses	82
2.12.8. listRepoTeamPermissions	82
GET /api/v1/repository/{repository}/permissions/team/	82
Path parameters	82
Responses	83
2.12.9. listRepoUserPermissions	83
GET /api/v1/repository/{repository}/permissions/user/	83
Path parameters	83
Responses	83
2.13. PROTOTYPE	84
2.13.1. updateOrganizationPrototypePermission	84
PUT /api/v1/organization/{orgname}/prototypes/{prototypeid}	84
Path parameters	84
Request body schema (application/json)	84
Responses	84
2.13.2. deleteOrganizationPrototypePermission	84
DELETE /api/v1/organization/{orgname}/prototypes/{prototypeid}	84
Path parameters	85
Responses	85
2.13.3. createOrganizationPrototypePermission	85
POST /api/v1/organization/{orgname}/prototypes	85
Path parameters	85

Request body schema (application/json)	85
Responses	86
2.13.4. getOrganizationPrototypePermissions	86
GET /api/v1/organization/{orgname}/prototypes	86
Path parameters	86
Responses	86
2.14. REPOSITORY	87
2.14.1. createRepo	87
POST /api/v1/repository	87
Request body schema (application/json)	87
Responses	87
2.14.2. listRepos	87
GET /api/v1/repository	88
Query parameters	88
Responses	88
2.14.3. changeRepoVisibility	88
POST /api/v1/repository/{repository}/changevisibility	88
Path parameters	88
Request body schema (application/json)	89
Responses	89
2.14.4. changeRepoState	89
PUT /api/v1/repository/{repository}/changestate	89
Path parameters	89
Request body schema (application/json)	89
Responses	90
2.14.5. getRepo	90
GET /api/v1/repository/{repository}	90
Path parameters	90
Query parameters	90
Responses	90
2.14.6. updateRepo	91
PUT /api/v1/repository/{repository}	91
Path parameters	91
Request body schema (application/json)	91
Responses	91
2.14.7. deleteRepository	92
DELETE /api/v1/repository/{repository}	92
Path parameters	92
Responses	92
2.15. REPOSITORYNOTIFICATION	92
2.15.1. testRepoNotification	92
POST /api/v1/repository/{repository}/notification/{uuid}/test	92
Path parameters	92
Responses	93
2.15.2. getRepoNotification	93
GET /api/v1/repository/{repository}/notification/{uuid}	93
Path parameters	93
Responses	93
2.15.3. deleteRepoNotification	94
DELETE /api/v1/repository/{repository}/notification/{uuid}	94
Path parameters	94
Responses	94
2.15.4. resetRepositoryNotificationFailures	94

POST /api/v1/repository/{repository}/notification/{uuid}	94
Path parameters	94
Responses	95
2.15.5. createRepoNotification	95
POST /api/v1/repository/{repository}/notification/	95
Path parameters	95
Request body schema (application/json)	95
Responses	96
2.15.6. listRepoNotifications	96
GET /api/v1/repository/{repository}/notification/	96
Path parameters	96
Responses	96
2.16. REPTOKEN	97
2.16.1. getTokens	97
GET /api/v1/repository/{repository}/tokens/{code}	97
Path parameters	97
Responses	97
2.16.2. changeToken	97
PUT /api/v1/repository/{repository}/tokens/{code}	97
Path parameters	97
Request body schema (application/json)	98
Responses	98
2.16.3. deleteToken	98
DELETE /api/v1/repository/{repository}/tokens/{code}	98
Path parameters	98
Responses	99
2.16.4. createToken	99
POST /api/v1/repository/{repository}/tokens/	99
Path parameters	99
Request body schema (application/json)	99
Responses	99
2.16.5. listRepoTokens	100
GET /api/v1/repository/{repository}/tokens/	100
Path parameters	100
Responses	100
2.17. ROBOT	100
2.17.1. getUserRobots	100
GET /api/v1/user/robots	100
Query parameters	100
Responses	101
2.17.2. getOrgRobotPermissions	101
GET /api/v1/organization/{orgname}/robots/{robot_shortname}/permissions	101
Path parameters	101
Responses	101
2.17.3. regenerateOrgRobotToken	102
POST /api/v1/organization/{orgname}/robots/{robot_shortname}/regenerate	102
Path parameters	102
Responses	102
2.17.4. getUserRobotPermissions	102
GET /api/v1/user/robots/{robot_shortname}/permissions	103
Path parameters	103
Responses	103
2.17.5. regenerateUserRobotToken	103

POST /api/v1/user/robots/{robot_shortname}/regenerate	103
Path parameters	103
Responses	103
2.17.6. getOrgRobot	104
GET /api/v1/organization/{orgname}/robots/{robot_shortname}	104
Path parameters	104
Responses	104
2.17.7. createOrgRobot	104
PUT /api/v1/organization/{orgname}/robots/{robot_shortname}	104
Path parameters	104
Request body schema (application/json)	105
Responses	105
2.17.8. deleteOrgRobot	105
DELETE /api/v1/organization/{orgname}/robots/{robot_shortname}	105
Path parameters	105
Responses	106
2.17.9. getOrgRobots	106
GET /api/v1/organization/{orgname}/robots	106
Path parameters	106
Query parameters	106
Responses	107
2.17.10. getUserRobot	107
GET /api/v1/user/robots/{robot_shortname}	107
Path parameters	107
Responses	107
2.17.11. createUserRobot	108
PUT /api/v1/user/robots/{robot_shortname}	108
Path parameters	108
Request body schema (application/json)	108
Responses	108
2.17.12. deleteUserRobot	108
DELETE /api/v1/user/robots/{robot_shortname}	108
Path parameters	108
Responses	109
2.18. SEARCH	109
2.18.1. conductRepoSearch	109
GET /api/v1/find/repositories	109
Query parameters	109
Responses	109
2.18.2. conductSearch	110
GET /api/v1/find/all	110
Query parameters	110
Responses	110
2.18.3. getMatchingEntities	110
GET /api/v1/entities/{prefix}	110
Path parameters	111
Query parameters	111
Responses	111
2.19. SECSCAN	111
2.19.1. getRepoManifestSecurity	111
GET /api/v1/repository/{repository}/manifest/{manifestref}/security	111
Path parameters	111
Query parameters	112

Responses	112
2.20. SUPERUSER	112
2.20.1. createInstallUser	112
POST /api/v1/superuser/users/	112
Request body schema (application/json)	112
Responses	113
2.20.2. listAllUsers	113
GET /api/v1/superuser/users/	113
Query parameters	113
Responses	113
2.20.3. listAllLogs	113
GET /api/v1/superuser/logs	113
Query parameters	114
Responses	114
2.20.4. createServiceKey	114
POST /api/v1/superuser/keys	114
Request body schema (application/json)	114
Responses	115
2.20.5. listServiceKeys	115
GET /api/v1/superuser/keys	115
Responses	115
2.20.6. changeUserQuotaSuperUser	115
PUT /api/v1/superuser/organization/{namespace}/quota/{quota_id}	115
Path parameters	115
Request body schema (application/json)	116
Responses	116
2.20.7. deleteUserQuotaSuperUser	116
DELETE /api/v1/superuser/organization/{namespace}/quota/{quota_id}	116
Path parameters	116
Responses	116
2.20.8. createUserQuotaSuperUser	117
POST /api/v1/superuser/organization/{namespace}/quota	117
Path parameters	117
Request body schema (application/json)	117
Responses	117
2.20.9. listUserQuotaSuperUser	118
GET /api/v1/superuser/organization/{namespace}/quota	118
Path parameters	118
Responses	118
2.20.10. changeOrganizationQuotaSuperUser	118
PUT /api/v1/superuser/users/{namespace}/quota/{quota_id}	118
Path parameters	118
Request body schema (application/json)	118
Responses	119
2.20.11. deleteOrganizationQuotaSuperUser	119
DELETE /api/v1/superuser/users/{namespace}/quota/{quota_id}	119
Path parameters	119
Responses	119
2.20.12. createOrganizationQuotaSuperUser	119
POST /api/v1/superuser/users/{namespace}/quota	119
Path parameters	120
Request body schema (application/json)	120
Responses	120

2.20.13. listOrganizationQuotaSuperUser	120
GET /api/v1/superuser/users/{namespace}/quota	120
Path parameters	120
Responses	120
2.20.14. changeOrganization	121
PUT /api/v1/superuser/organizations/{name}	121
Path parameters	121
Request body schema (application/json)	121
Responses	121
2.20.15. deleteOrganization	122
DELETE /api/v1/superuser/organizations/{name}	122
Path parameters	122
Responses	122
2.20.16. approveServiceKey	122
POST /api/v1/superuser/approvedkeys/{kid}	122
Path parameters	122
Request body schema (application/json)	123
Responses	123
2.20.17. getServiceKey	123
GET /api/v1/superuser/keys/{kid}	123
Path parameters	123
Responses	123
2.20.18. updateServiceKey	124
PUT /api/v1/superuser/keys/{kid}	124
Path parameters	124
Request body schema (application/json)	124
Responses	124
2.20.19. deleteServiceKey	125
DELETE /api/v1/superuser/keys/{kid}	125
Path parameters	125
Responses	125
2.20.20. getRepoBuildStatusSuperUser	125
GET /api/v1/superuser/{build_uuid}/status	125
Path parameters	125
Responses	125
2.20.21. getRepoBuildSuperUser	126
GET /api/v1/superuser/{build_uuid}/build	126
Path parameters	126
Responses	126
2.20.22. getRepoBuildLogsSuperUser	126
GET /api/v1/superuser/{build_uuid}/logs	126
Path parameters	127
Responses	127
2.21. TAG	127
2.21.1. restoreTag	127
POST /api/v1/repository/{repository}/tag/{tag}/restore	127
Path parameters	127
Request body schema (application/json)	127
Responses	128
2.21.2. changeTag	128
PUT /api/v1/repository/{repository}/tag/{tag}	128
Path parameters	128
Request body schema (application/json)	128

Responses	129
2.21.3. deleteFullTag	129
DELETE /api/v1/repository/{repository}/tag/{tag}	129
Path parameters	129
Responses	129
2.21.4. listRepoTags	129
GET /api/v1/repository/{repository}/tag/	129
Path parameters	130
Query parameters	130
Responses	130
2.22. TEAM	130
2.22.1. getOrganizationTeamPermissions	130
GET /api/v1/organization/{orgname}/team/{teamname}/permissions	130
Path parameters	131
Responses	131
2.22.2. updateOrganizationTeamMember	131
PUT /api/v1/organization/{orgname}/team/{teamname}/members/{membername}	131
Path parameters	131
Responses	131
2.22.3. deleteOrganizationTeamMember	132
DELETE /api/v1/organization/{orgname}/team/{teamname}/members/{membername}	132
Path parameters	132
Responses	132
2.22.4. getOrganizationTeamMembers	133
GET /api/v1/organization/{orgname}/team/{teamname}/members	133
Path parameters	133
Query parameters	133
Responses	133
2.22.5. inviteTeamMemberEmail	133
PUT /api/v1/organization/{orgname}/team/{teamname}/invite/{email}	134
Path parameters	134
Responses	134
2.22.6. deleteTeamMemberEmailInvite	134
DELETE /api/v1/organization/{orgname}/team/{teamname}/invite/{email}	134
Path parameters	134
Responses	135
2.22.7. updateOrganizationTeam	135
PUT /api/v1/organization/{orgname}/team/{teamname}	135
Path parameters	135
Request body schema (application/json)	135
Responses	135
2.22.8. deleteOrganizationTeam	136
DELETE /api/v1/organization/{orgname}/team/{teamname}	136
Path parameters	136
Responses	136
2.23. TRIGGER	136
2.23.1. activateBuildTrigger	136
POST /api/v1/repository/{repository}/trigger/{trigger_uuid}/activate	137
Path parameters	137
Request body schema (application/json)	137
Responses	137
2.23.2. listTriggerRecentBuilds	137
GET /api/v1/repository/{repository}/trigger/{trigger_uuid}/builds	137

Path parameters	137
Query parameters	138
Responses	138
2.23.3. manuallyStartBuildTrigger	138
POST /api/v1/repository/{repository}/trigger/{trigger_uuid}/start	138
Path parameters	138
Request body schema (application/json)	138
Responses	139
2.23.4. getBuildTrigger	139
GET /api/v1/repository/{repository}/trigger/{trigger_uuid}	139
Path parameters	139
Responses	139
2.23.5. updateBuildTrigger	140
PUT /api/v1/repository/{repository}/trigger/{trigger_uuid}	140
Path parameters	140
Request body schema (application/json)	140
Responses	140
2.23.6. deleteBuildTrigger	141
DELETE /api/v1/repository/{repository}/trigger/{trigger_uuid}	141
Path parameters	141
Responses	141
2.23.7. listBuildTriggers	141
GET /api/v1/repository/{repository}/trigger/	141
Path parameters	141
Responses	142
2.24. USER	142
2.24.1. createStar	142
POST /api/v1/user/starred	142
Request body schema (application/json)	142
Responses	142
2.24.2. listStarredRepos	143
GET /api/v1/user/starred	143
Query parameters	143
Responses	143
2.24.3. getLoggedInUser	143
GET /api/v1/user/	143
Responses	143
2.24.4. deleteStar	144
DELETE /api/v1/user/starred/{repository}	144
Path parameters	144
Responses	144
2.24.5. getUserInformation	144
GET /api/v1/users/{username}	144
Path parameters	145
Responses	145
2.25. DEFINITIONS	145
2.25.1. ApiError	145
2.25.2. UserView	145
2.25.3. ViewMirrorConfig	146
2.25.4. ApiErrorDescription	147
CHAPTER 3. API CONFIGURATION EXAMPLES	148
3.1. EXTERNAL_REGISTRY_CONFIG OBJECT REFERENCE	148

3.2. RULE_RULE OBJECT REFERENCE	148
---------------------------------	-----

PREFACE

The Red Hat Quay application programming interface (API) is an OAuth 2 RESTful API that consists of a set of endpoints for adding, displaying, changing and deleting features for Red Hat Quay.

Red Hat Quay abides by the [Semantic Versioning \(SemVer\) specifications](#). The following conditions are met with each major, minor, and patch release:

- Major versions of Red Hat Quay might include incompatible API changes. For example, the API of Red Hat Quay 2.0 differs from Red Hat Quay 3.0.
- Minor versions of Red Hat Quay, for example, 3.y, adds functionality in a backwards compatible manner.
- Patch versions of Red Hat Quay, for example, 3.y.z, introduces backwards compatible bug fixes.

Currently, Red Hat Quay uses the **api/v1** endpoint for 3.y.z releases.

This guide describes the **api/v1** endpoints and the browser-based examples for accessing those endpoints.

CHAPTER 1. USING THE RED HAT QUAY API

Red Hat Quay provides a full [OAuth 2](#), RESTful API that:

- Is available from endpoints of each Red Hat Quay instance from the URL <https://<yourquayhost>/api/v1>
- Lets you connect to endpoints, via a browser, to get, delete, post, and put Red Hat Quay settings by enabling the Swagger UI
- Can be accessed by applications that make API calls and use OAuth tokens
- Sends and receives data as JSON

The following text describes how to access the Red Hat Quay API and use it to view and modify setting in your Red Hat Quay cluster. The next section lists and describes API endpoints.

1.1. ACCESSING THE QUAY API FROM QUAY.IO

If you don't have your own Red Hat Quay cluster running yet, you can explore the Red Hat Quay API available from Quay.io from your web browser:

<https://docs.quay.io/api/swagger/>

The API Explorer that appears shows Quay.io API endpoints. You will not see superuser API endpoints or endpoints for Red Hat Quay features that are not enabled on Quay.io (such as Repository Mirroring).

From API Explorer, you can get, and sometimes change, information on:

- Billing, subscriptions, and plans
- Repository builds and build triggers
- Error messages and global messages
- Repository images, manifests, permissions, notifications, vulnerabilities, and image signing
- Usage logs
- Organizations, members and OAuth applications
- User and robot accounts
- and more...

Select to open an endpoint to view the Model Schema for each part of the endpoint. Open an endpoint, enter any required parameters (such as a repository name or image), then select the **Try it out!** button to query or change settings associated with a Quay.io endpoint.

1.2. CREATE OAUTH ACCESS TOKEN

To create an OAuth access token so you can access the API for your organization:

1. Log in to Red Hat Quay and select your Organization (or create a new one).

2. Select the Applications icon from the left navigation.
3. Select Create New Application and give the new application a name when prompted.
4. Select the new application.
5. Select Generate Token from the left navigation.
6. Select the checkboxes to set the scope of the token and select Generate Access Token.
7. Review the permissions you are allowing and select Authorize Application to approve it.
8. Copy the newly generated token to use to access the API.

1.3. ACCESSING YOUR QUAY API FROM A WEB BROWSER

By enabling Swagger, you can access the API for your own Red Hat Quay instance through a web browser. This URL exposes the Red Hat Quay API explorer via the Swagger UI and this URL:

```
https://<yourquayhost>/api/v1/discovery.
```

That way of accessing the API does not include superuser endpoints that are available on Red Hat Quay installations. Here is an example of accessing a Red Hat Quay API interface running on the local system by running the swagger-ui container image:

```
# export SERVER_HOSTNAME=<yourhostname>
# sudo podman run -p 8888:8080 -e API_URL=https://$SERVER_HOSTNAME:8443/api/v1/discovery
docker.io/swaggerapi/swagger-ui
```

With the swagger-ui container running, open your web browser to localhost port 8888 to view API endpoints via the swagger-ui container.

To avoid errors in the log such as "API calls must be invoked with an X-Requested-With header if called from a browser," add the following line to the **config.yaml** on all nodes in the cluster and restart Red Hat Quay:

```
BROWSER_API_CALLS_XHR_ONLY: false
```

1.4. ACCESSING THE RED HAT QUAY API FROM THE COMMAND LINE

You can use the **curl** command to GET, PUT, POST, or DELETE settings via the API for your Red Hat Quay cluster. Replace **<token>** with the OAuth access token you created earlier to get or change settings in the following examples.

1.4.1. Get superuser information

```
$ curl -X GET -H "Authorization: Bearer <token_here>" \
  "https://<yourquayhost>/api/v1/superuser/users/"
```

For example:

```
$ curl -X GET -H "Authorization: Bearer mFCdgS7SAIoMcNtsHCGx23vcNsTgziAa4CmmHlsg"
http://quay-server:8080/api/v1/superuser/users/ | jq
```

```
{
  "users": [
    {
      "kind": "user",
      "name": "quayadmin",
      "username": "quayadmin",
      "email": "quayadmin@example.com",
      "verified": true,
      "avatar": {
        "name": "quayadmin",
        "hash": "357a20e8c56e69d6f9734d23ef9517e8",
        "color": "#5254a3",
        "kind": "user"
      },
      "super_user": true,
      "enabled": true
    }
  ]
}
```

1.4.2. Creating a superuser using the API

- Configure a superuser name, as described in the Deploy Quay book:
 - Use the configuration editor UI or
 - Edit the **config.yaml** file directly, with the option of using the configuration API to validate (and download) the updated configuration bundle
- Create the user account for the superuser name:
 - Obtain an authorization token as detailed above, and use **curl** to create the user:

```
$ curl -H "Content-Type: application/json" -H "Authorization: Bearer
Fava2kV9C92p1eXnMawBZx9vTqVnksvwNm0ckFKZ" -X POST --data '{
  "username": "quaysuper",
  "email": "quaysuper@example.com"
}' http://quay-server:8080/api/v1/superuser/users/ | jq
```

- The returned content includes a generated password for the new user account:

```
{
  "username": "quaysuper",
  "email": "quaysuper@example.com",
  "password": "EH67NB3Y6PTBED8H0HC6UVHGGGA3ODSE",
  "encrypted_password":
  "fn37AZAUQH0PTsU+vlO9IS0QxPW9A/boXL4ovZjIFtIUPrBz9i4j9UDOqMjuxQ/0HTfy38go
KEpG8zYXVeQh3IOFzuOjSvKic2Vq7xdtQsU="
}
```

Now, when you request the list of users, it will show **quaysuper** as a superuser:

```
$ curl -X GET -H "Authorization: Bearer mFCdgS7SAIoMcnTsHCGx23vcNsTgziAa4CmmHlsg"
http://quay-server:8080/api/v1/superuser/users/ | jq
```



```
{
  "users": [
    {
      "kind": "user",
      "name": "quayadmin",
      "username": "quayadmin",
      "email": "quayadmin@example.com",
      "verified": true,
      "avatar": {
        "name": "quayadmin",
        "hash": "357a20e8c56e69d6f9734d23ef9517e8",
        "color": "#5254a3",
        "kind": "user"
      },
      "super_user": true,
      "enabled": true
    },
    {
      "kind": "user",
      "name": "quaysuper",
      "username": "quaysuper",
      "email": "quaysuper@example.com",
      "verified": true,
      "avatar": {
        "name": "quaysuper",
        "hash": "c0e0f155afcef68e58a42243b153df08",
        "color": "#969696",
        "kind": "user"
      },
      "super_user": true,
      "enabled": true
    }
  ]
}
```

1.4.3. List usage logs

An internal API, `/api/v1/superuser/logs`, is available to list the usage logs for the current system. The results are paginated, so in the following example, more than 20 repos were created to show how to use multiple invocations to access the entire result set.

1.4.3.1. Example for pagination

First invocation

```
$ curl -X GET -k -H "Authorization: Bearer qz9NZ2Np1f55CSZ3RVOvxjeUdkzYuCp0pKggABCD"
https://example-registry-quay-quay-enterprise.apps.example.com/api/v1/superuser/logs | jq
```

Initial output

```
{
  "start_time": "Sun, 12 Dec 2021 11:41:55 -0000",
  "end_time": "Tue, 14 Dec 2021 11:41:55 -0000",
```

```
"logs": [  
  {  
    "kind": "create_repo",  
    "metadata": {  
      "repo": "t21",  
      "namespace": "namespace1"  
    },  
    "ip": "10.131.0.13",  
    "datetime": "Mon, 13 Dec 2021 11:41:16 -0000",  
    "performer": {  
      "kind": "user",  
      "name": "user1",  
      "is_robot": false,  
      "avatar": {  
        "name": "user1",  
        "hash": "5d40b245471708144de9760f2f18113d75aa2488ec82e12435b9de34a6565f73",  
        "color": "#ad494a",  
        "kind": "user"  
      }  
    },  
    "namespace": {  
      "kind": "org",  
      "name": "namespace1",  
      "avatar": {  
        "name": "namespace1",  
        "hash": "6cf18b5c19217bfc6df0e7d788746ff7e8201a68cba333fca0437e42379b984f",  
        "color": "#e377c2",  
        "kind": "org"  
      }  
    }  
  },  
  {  
    "kind": "create_repo",  
    "metadata": {  
      "repo": "t20",  
      "namespace": "namespace1"  
    },  
    "ip": "10.131.0.13",  
    "datetime": "Mon, 13 Dec 2021 11:41:05 -0000",  
    "performer": {  
      "kind": "user",  
      "name": "user1",  
      "is_robot": false,  
      "avatar": {  
        "name": "user1",  
        "hash": "5d40b245471708144de9760f2f18113d75aa2488ec82e12435b9de34a6565f73",  
        "color": "#ad494a",  
        "kind": "user"  
      }  
    },  
    "namespace": {  
      "kind": "org",  
      "name": "namespace1",  
      "avatar": {  
        "name": "namespace1",  
        "hash": "6cf18b5c19217bfc6df0e7d788746ff7e8201a68cba333fca0437e42379b984f",
```

```

        "color": "#e377c2",
        "kind": "org"
      }
    }
  },
  ...

  {
    "kind": "create_repo",
    "metadata": {
      "repo": "t2",
      "namespace": "namespace1"
    },
    "ip": "10.131.0.13",
    "datetime": "Mon, 13 Dec 2021 11:25:17 -0000",
    "performer": {
      "kind": "user",
      "name": "user1",
      "is_robot": false,
      "avatar": {
        "name": "user1",
        "hash": "5d40b245471708144de9760f2f18113d75aa2488ec82e12435b9de34a6565f73",
        "color": "#ad494a",
        "kind": "user"
      }
    },
    "namespace": {
      "kind": "org",
      "name": "namespace1",
      "avatar": {
        "name": "namespace1",
        "hash": "6cf18b5c19217bfc6df0e7d788746ff7e8201a68cba333fca0437e42379b984f",
        "color": "#e377c2",
        "kind": "org"
      }
    }
  }
],
"next_page":
"gAAAAABhtzGDsH38x7pjWhD8MJq1_2FAgqUw2X9S2LoCLNPH65QJqB4XAU2qAxYb6QqtlcWj9eI6
DUiMN_q3e3I0agCvB2VPQ8rY75WeaiUzM3rQIMc4i6EIR78t8oUxVfNp1RMPIRQYYZyXP9h6E8LZZhq
TMs0S-SedaQJ3kVFtkxZqJwHVjgt23Ts2DonVoYwtKgl3bCC5"
}

```

Second invocation using next_page

```

$ curl -X GET -k -H "Authorization: Bearer qz9NZ2Np1f55CSZ3RVOvxjeUdkzYuCp0pKggABCD"
https://example-registry-quay-quay-enterprise.apps.example.com/api/v1/superuser/logs?
next_page=gAAAAABhtzGDsH38x7pjWhD8MJq1_2FAgqUw2X9S2LoCLNPH65QJqB4XAU2qAxYb6Q
qtlcWj9eI6DUiMN_q3e3I0agCvB2VPQ8rY75WeaiUzM3rQIMc4i6EIR78t8oUxVfNp1RMPIRQYYZyXP9h
6E8LZZhqTMs0S-SedaQJ3kVFtkxZqJwHVjgt23Ts2DonVoYwtKgl3bCC5 | jq

```

Output from second invocation

```
{
```

```

"start_time": "Sun, 12 Dec 2021 11:42:46 -0000",
"end_time": "Tue, 14 Dec 2021 11:42:46 -0000",
"logs": [
  {
    "kind": "create_repo",
    "metadata": {
      "repo": "t1",
      "namespace": "namespace1"
    },
    "ip": "10.131.0.13",
    "datetime": "Mon, 13 Dec 2021 11:25:07 -0000",
    "performer": {
      "kind": "user",
      "name": "user1",
      "is_robot": false,
      "avatar": {
        "name": "user1",
        "hash": "5d40b245471708144de9760f2f18113d75aa2488ec82e12435b9de34a6565f73",
        "color": "#ad494a",
        "kind": "user"
      }
    },
    "namespace": {
      "kind": "org",
      "name": "namespace1",
      "avatar": {
        "name": "namespace1",
        "hash": "6cf18b5c19217bfc6df0e7d788746ff7e8201a68cba333fca0437e42379b984f",
        "color": "#e377c2",
        "kind": "org"
      }
    }
  },
  ...
]
}

```

1.4.4. Directory synchronization

To enable directory synchronization for the team **newteam** in organization **testadminorg**, where the corresponding group name in LDAP is **ldapgroup**:

```

$ curl -X POST -H "Authorization: Bearer 9rJYBR3v3pXcj5XqIA2XX6Thkww4gld4TCYLLWDF" \
  -H "Content-type: application/json" \
  -d '{"group_dn": "cn=ldapgroup,ou=Users"}' \
  http://quay1-server:8080/api/v1/organization/testadminorg/team/newteam/syncing

```

To disable synchronization for the same team:

```

$ curl -X DELETE -H "Authorization: Bearer 9rJYBR3v3pXcj5XqIA2XX6Thkww4gld4TCYLLWDF" \
  http://quay1-server:8080/api/v1/organization/testadminorg/team/newteam/syncing

```

1.4.5. Create a repository build via API

In order to build a repository from the specified input and tag the build with custom tags, users can use requestRepoBuild endpoint. It takes the following data:

```
{
  "docker_tags": [
    "string"
  ],
  "pull_robot": "string",
  "subdirectory": "string",
  "archive_url": "string"
}
```

The **archive_url** parameter should point to a **tar** or **zip** archive that includes the Dockerfile and other required files for the build. The **file_id** parameter was apart of our older build system. It cannot be used anymore. If Dockerfile is in a sub-directory it needs to be specified as well.

The archive should be publicly accessible. OAuth app should have "Administer Organization" scope because only organization admins have access to the robots' account tokens. Otherwise, someone could get robot permissions by simply granting a build access to a robot (without having access themselves), and use it to grab the image contents. In case of errors, check the json block returned and ensure the archive location, pull robot, and other parameters are being passed correctly. Click "Download logs" on the top-right of the individual build's page to check the logs for more verbose messaging.

1.4.6. Create an org robot

```
$ curl -X PUT https://quay.io/api/v1/organization/{orgname}/robots/{robot shortname} \
-H 'Authorization: Bearer <token>'
```

1.4.7. Trigger a build

```
$ curl -X POST https://quay.io/api/v1/repository/YOURORGRNAME/YOURREPONAME/build/ \
-H 'Authorization: Bearer <token>'
```

Python with requests

```
import requests
r = requests.post('https://quay.io/api/v1/repository/example/example/image', headers={'content-type':
'application/json', 'Authorization': 'Bearer <redacted>'}, data=[<request-body-contents>])
print(r.text)
```

1.4.8. Create a private repository

```
$ curl -X POST https://quay.io/api/v1/repository \
-H 'Authorization: Bearer {token}' \
-H 'Content-Type: application/json' \
-d '{"namespace": "yournamespace", "repository": "yourreponame",
"description": "descriptionofyourrepo", "visibility": "private"}' | jq
```

1.4.9. Create a mirrored repository

Minimal configuration

■

```
curl -X POST
-H "Authorization: Bearer ${bearer_token}"
-H "Content-Type: application/json"
--data '{"external_reference": "quay.io/minio/mc", "external_registry_username": "", "sync_interval":
600, "sync_start_date": "2021-08-06T11:11:39Z", "root_rule": {"rule_kind": "tag_glob_csv",
"rule_value": [ "latest" ]}, "robot_username": "orga+robot"}'
https://${quay_registry}/api/v1/repository/${orga}/${repo}/mirror | jq
```

Extended configuration

```
$ curl -X POST
-H "Authorization: Bearer ${bearer_token}"
-H "Content-Type: application/json"
--data '{"is_enabled": true, "external_reference": "quay.io/minio/mc", "external_registry_username":
"username", "external_registry_password": "password", "external_registry_config":
{"unsigned_images": true, "verify_tls": false, "proxy": {"http_proxy": "http://proxy.tld", "https_proxy":
"https://proxy.tld", "no_proxy": "domain"}}, "sync_interval": 600, "sync_start_date": "2021-08-
06T11:11:39Z", "root_rule": {"rule_kind": "tag_glob_csv", "rule_value": [ "*" ]}, "robot_username":
"orga+robot"}' https://${quay_registry}/api/v1/repository/${orga}/${repo}/mirror | jq
```

CHAPTER 2. RED HAT QUAY APPLICATION PROGRAMMING INTERFACE (API)

This API allows you to perform many of the operations required to work with Red Hat Quay repositories, users, and organizations.

2.1. AUTHORIZATION

oauth2_implicit

Scopes

The following scopes are used to control access to the API endpoints:

Scope	Description
repo:read	This application will be able to view and pull all repositories visible to the granting user or robot account
repo:write	This application will be able to view, push and pull to all repositories to which the granting user or robot account has write access
repo:admin	This application will have administrator access to all repositories to which the granting user or robot account has access
repo:create	This application will be able to create repositories in to any namespaces that the granting user or robot account is allowed to create repositories
user:read	This application will be able to read user information such as username and email address.
org:admin	This application will be able to administer your organizations including creating robots, creating teams, adjusting team membership, and changing billing settings. You should have absolute trust in the requesting application before granting this permission.
super:user	This application will be able to administer your installation including managing users, managing organizations and other features found in the superuser panel. You should have absolute trust in the requesting application before granting this permission.
user:admin	This application will be able to administer your account including creating robots and granting them permissions to your repositories. You should have absolute trust in the requesting application before granting this permission.

2.2. APPSPECIFICTOKENS

Manages app specific tokens for the current user.

2.2.1. createAppToken

Create a new app specific token for user.

POST /api/v1/user/apptoken

Authorizations: oauth2_implicit (**user:admin**)

Request body schema (application/json)

Description of a new token.

Name	Description	Schema
friendlyName <i>optional</i>	Friendly name to help identify the token	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.2.2. listAppTokens

Lists the app specific tokens for the user.

GET /api/v1/user/apptoken

Authorizations: oauth2_implicit (**user:admin**)

Query parameters

Type	Name	Description	Schema
query	expiring <i>optional</i>	If true, only returns those tokens expiring soon	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError

HTTP Code	Description	Schema
403	Unauthorized access	ApiError
404	Not found	ApiError

2.2.3. getAppToken

Returns a specific app token for the user.

GET /api/v1/user/apptoken/{token_uuid}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	token_uuid <i>required</i>	The uuid of the app specific token	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.2.4. revokeAppToken

Revokes a specific app token for the user.

DELETE /api/v1/user/apptoken/{token_uuid}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	token_uuid <i>required</i>	The uuid of the app specific token	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.3. BUILD

Create, list, cancel and get status/logs of repository builds.

2.3.1. getRepoBuildStatus

Return the status for the builds specified by the build uuids.

GET /api/v1/repository/{repository}/build/{build_uuid}/status

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.3.2. getRepoBuildLogs

Return the build logs for the build specified by the build uuid.

GET /api/v1/repository/{repository}/build/{build_uuid}/logs

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.3.3. getRepoBuild

Returns information about a build.

GET /api/v1/repository/{repository}/build/{build_uuid}

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.3.4. cancelRepoBuild

Cancels a repository build.

DELETE /api/v1/repository/{repository}/build/{build_uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.3.5. requestRepoBuild

Request that a repository be built and pushed from the specified input.

POST /api/v1/repository/{repository}/build/**Authorizations:** oauth2_implicit (**repo:write**)**Path parameters**

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Description of a new repository build.

Name	Description	Schema
file_id <i>optional</i>	The file id that was generated when the build spec was uploaded	string
archive_url <i>optional</i>	The URL of the .tar.gz to build. Must start with "http" or "https".	string
subdirectory <i>optional</i>	Subdirectory in which the Dockerfile can be found. You can only specify this or dockerfile_path	string
dockerfile_path <i>optional</i>	Path to a dockerfile. You can only specify this or subdirectory.	string
context <i>optional</i>	Pass in the context for the dockerfile. This is optional.	string
pull_robot <i>optional</i>	Username of a Quay robot account to use as pull credentials	string
docker_tags <i>optional</i>	The tags to which the built images will be pushed. If none specified, "latest" is used.	array of string non-empty unique

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.3.6. getRepoBuilds

Get the list of repository builds.

GET /api/v1/repository/{repository}/build/

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	since <i>optional</i>	Returns all builds since the given unix timecode	integer
query	limit <i>optional</i>	The maximum number of builds to return	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.4. DISCOVERY

API discovery information.

2.4.1. discovery

List all of the API endpoints available in the swagger API format.

GET /api/v1/discovery

Authorizations:

Query parameters

Type	Name	Description	Schema
query	internal <i>optional</i>	Whether to include internal APIs.	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.5. ERROR

Error details API.

2.5.1. getErrorDescription

Get a detailed description of the error.

GET /api/v1/error/{error_type}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	error_type <i>required</i>	The error code identifying the type of error.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	ApiErrorDescription
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.6. GLOBALMESSAGES

Messages API.

2.6.1. createGlobalMessage

Create a message.

POST /api/v1/messages

Authorizations: oauth2_implicit (super:user)

Request body schema (application/json)

Create a new message

Name	Description	Schema
message <i>optional</i>	A single message	object

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.6.2. getGlobalMessages

Return a super users messages.

GET /api/v1/messages

Authorizations:

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.6.3. deleteGlobalMessage

Delete a message.

DELETE /api/v1/message/{uuid}

Authorizations: oauth2_implicit (**super:user**)

Path parameters

Type	Name	Description	Schema
path	uuid <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7. LOGS

Access usage logs for organizations or repositories.

2.7.1. getAggregateUserLogs

Returns the aggregated logs for the current user.

GET /api/v1/user/aggregatelogs

Authorizations: oauth2_implicit (**user:admin**)

Query parameters

Type	Name	Description	Schema
query	performer <i>optional</i>	Username for which to filter logs.	string
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.2. exportUserLogs

Returns the aggregated logs for the current user.

POST /api/v1/user/exportlogs

Authorizations: oauth2_implicit (**user:admin**)

Query parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Request body schema (application/json)

Configuration for an export logs operation

Name	Description	Schema
callback_url <i>optional</i>	The callback URL to invoke with a link to the exported logs	string
callback_email <i>optional</i>	The e-mail address at which to e-mail a link to the exported logs	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.3. listUserLogs

List the logs for the current user.

GET /api/v1/user/logs**Authorizations:** oauth2_implicit (**user:admin**)**Query parameters**

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string

Type	Name	Description	Schema
query	performer <i>optional</i>	Username for which to filter logs.	string
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.4. getAggregateOrgLogs

Gets the aggregated logs for the specified organization.

GET /api/v1/organization/{orgname}/aggregatelogs

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Query parameters

Type	Name	Description	Schema
query	performer <i>optional</i>	Username for which to filter logs.	string

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.5. exportOrgLogs

Exports the logs for the specified organization.

POST /api/v1/organization/{orgname}/exportlogs

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Query parameters

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Request body schema (application/json)

Configuration for an export logs operation

Name	Description	Schema
callback_url <i>optional</i>	The callback URL to invoke with a link to the exported logs	string
callback_email <i>optional</i>	The e-mail address at which to e-mail a link to the exported logs	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.6. listOrgLogs

List the logs for the specified organization.

GET /api/v1/organization/{orgname}/logs**Authorizations:** oauth2_implicit (**org:admin**)**Path parameters**

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Query parameters

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string
query	performer <i>optional</i>	Username for which to filter logs.	string

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.7. getAggregateRepoLogs

Returns the aggregated logs for the specified repository.

GET /api/v1/repository/{repository}/aggregatelogs

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.8. exportRepoLogs

Queues an export of the logs for the specified repository.

POST /api/v1/repository/{repository}/exportlogs

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Request body schema (application/json)

Configuration for an export logs operation

Name	Description	Schema
callback_url <i>optional</i>	The callback URL to invoke with a link to the exported logs	string
callback_email <i>optional</i>	The e-mail address at which to e-mail a link to the exported logs	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.7.9. listRepoLogs

List the logs for the specified repository.

GET /api/v1/repository/{repository}/logs

Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string
query	endtime <i>optional</i>	Latest time for logs. Format: "%m/%d/%Y" in UTC.	string
query	starttime <i>optional</i>	Earliest time for logs. Format: "%m/%d/%Y" in UTC.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.8. MANIFEST

Manage the manifests of a repository.

2.8.1. getManifestLabel

Retrieves the label with the specific ID under the manifest.

GET `/api/v1/repository/{repository}/manifest/{manifestref}/labels/{labelid}`

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string
path	labelid <i>required</i>	The ID of the label	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.8.2. deleteManifestLabel

Deletes an existing label from a manifest.

DELETE /api/v1/repository/{repository}/manifest/{manifestref}/labels/{labelid}

Authorizations: oauth2_implicit (repo:write)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string
path	labelid <i>required</i>	The ID of the label	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.8.3. addManifestLabel

Adds a new label into the tag manifest.

POST /api/v1/repository/{repository}/manifest/{manifestref}/labels

Authorizations: oauth2_implicit (repo:write)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Adds a label to a manifest

Name	Description	Schema
key <i>optional</i>	The key for the label	string
value <i>optional</i>	The value for the label	string
media_type <i>optional</i>	The media type for this label	

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.8.4. listManifestLabels

GET /api/v1/repository/{repository}/manifest/{manifestref}/labels

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
query	filter <i>optional</i>	If specified, only labels matching the given prefix will be returned	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.8.5. getRepoManifest

GET /api/v1/repository/{repository}/manifest/{manifestref}

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.9. MIRROR

2.9.1. syncCancel

Update the sync_status for a given Repository's mirroring configuration.

POST /api/v1/repository/{repository}/mirror/sync-cancel

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.9.2. syncNow

Update the sync_status for a given Repository's mirroring configuration.

POST /api/v1/repository/{repository}/mirror/sync-now

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.9.3. getRepoMirrorConfig

Return the Mirror configuration for a given Repository.

GET `/api/v1/repository/{repository}/mirror`

Authorizations: `oauth2_implicit (repo:admin)`

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	ViewMirrorConfig
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.9.4. changeRepoMirrorConfig

Allow users to modifying the repository's mirroring configuration.

PUT `/api/v1/repository/{repository}/mirror`

Authorizations: `oauth2_implicit (repo:admin)`

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Update the repository mirroring configuration.

Name	Description	Schema
is_enabled <i>optional</i>	Used to enable or disable synchronizations.	boolean
external_reference <i>optional</i>	Location of the external repository.	string
external_registry_username <i>optional</i>	Username used to authenticate with external registry.	
external_registry_password <i>optional</i>	Password used to authenticate with external registry.	
sync_start_date <i>optional</i>	Determines the next time this repository is ready for synchronization.	string
sync_interval <i>optional</i>	Number of seconds after next_start_date to begin synchronizing.	integer
robot_username <i>optional</i>	Username of robot which will be used for image pushes.	string
root_rule <i>optional</i>	A list of glob-patterns used to determine which tags should be synchronized.	object
external_registry_config <i>optional</i>		object

Responses

HTTP Code	Description	Schema
200	Successful invocation	

HTTP Code	Description	Schema
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.9.5. createRepoMirrorConfig

Create a RepoMirrorConfig for a given Repository.

POST /api/v1/repository/{repository}/mirror

Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Create the repository mirroring configuration.

Name	Description	Schema
is_enabled <i>optional</i>	Used to enable or disable synchronizations.	boolean
external_reference <i>optional</i>	Location of the external repository.	string
external_registry_username <i>optional</i>	Username used to authenticate with external registry.	
external_registry_password <i>optional</i>	Password used to authenticate with external registry.	
sync_start_date <i>optional</i>	Determines the next time this repository is ready for synchronization.	string

Name	Description	Schema
sync_interval <i>optional</i>	Number of seconds after next_start_date to begin synchronizing.	integer
robot_username <i>optional</i>	Username of robot which will be used for image pushes.	string
root_rule <i>optional</i>	A list of glob-patterns used to determine which tags should be synchronized.	object
external_registry_config <i>optional</i>		object

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10. NAMESPACEQUOTA

2.10.1. listUserQuota

GET /api/v1/user/quota

Authorizations: oauth2_implicit (user:admin)

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError

HTTP Code	Description	Schema
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.2. getOrganizationQuotaLimit

GET /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	limit_id <i>required</i>		string
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.3. changeOrganizationQuotaLimit

PUT /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	limit_id <i>required</i>		string
path	orgname <i>required</i>		string

Request body schema (application/json)

Description of changing organization quota limit

Name	Description	Schema
type <i>optional</i>	Type of quota limit: "Warning" or "Reject"	string
threshold_percent <i>optional</i>	Quota threshold, in percent of quota	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.4. deleteOrganizationQuotaLimit

DELETE /api/v1/organization/{orgname}/quota/{quota_id}/limit/{limit_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	limit_id <i>required</i>		string
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.5. createOrganizationQuotaLimit

POST /api/v1/organization/{orgname}/quota/{quota_id}/limit

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	orgname <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota limit

Name	Description	Schema
type <i>optional</i>	Type of quota limit: "Warning" or "Reject"	string
threshold_percent <i>optional</i>	Quota threshold, in percent of quota	integer

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.6. listOrganizationQuotaLimit

GET /api/v1/organization/{orgname}/quota/{quota_id}/limit

Authorizations:

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.7. getUserQuotaLimit

GET /api/v1/user/quota/{quota_id}/limit/{limit_id}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	limit_id <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.8. listUserQuotaLimit

GET /api/v1/user/quota/{quota_id}/limit

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
path	quota_id <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.9. getOrganizationQuota

GET /api/v1/organization/{orgname}/quota/{quota_id}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.10.10. changeOrganizationQuota

PUT /api/v1/organization/{orgname}/quota/{quota_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	orgname <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.11. deleteOrganizationQuota

DELETE /api/v1/organization/{orgname}/quota/{quota_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.12. createOrganizationQuota

Create a new organization quota.

POST /api/v1/organization/{orgname}/quota

Authorizations: oauth2_implicit (**super:user**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.13. listOrganizationQuota

GET /api/v1/organization/{orgname}/quota

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.10.14. getUserQuota

GET /api/v1/user/quota/{quota_id}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	quota_id <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11. ORGANIZATION

Manage organizations, members and OAuth applications.

2.11.1. createOrganization

Create a new organization.

POST /api/v1/organization/

Authorizations: oauth2_implicit (**user:admin**)

Request body schema (application/json)

Description of a new organization.

Name	Description	Schema
name <i>optional</i>	Organization username	string
email <i>optional</i>	Organization contact email	string
recaptcha_response <i>optional</i>	The (may be disabled) recaptcha response code for verification	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.2. validateProxyCacheConfig

POST /api/v1/organization/{orgname}/validateproxycache



NOTE

Running **POST /api/v1/organization/{orgname}/validateproxycache** currently returns a **202** response payload of **Valid**. This is a known issue. It should return a **Successful Creation** response payload. This will be fixed in a future version of Red Hat Quay.

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>		string

Request body schema (application/json)

Proxy cache configuration for an organization

Name	Description	Schema
upstream_registry <i>optional</i>	Name of the upstream registry that is to be cached	string

Responses

HTTP Code	Description	Schema
201	Successful creation	

HTTP Code	Description	Schema
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.3. getOrganizationCollaborators

List outside collaborators of the specified organization.

GET /api/v1/organization/{orgname}/collaborators

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.4. getOrganizationApplication

Retrieves the application with the specified client_id under the specified organization.

GET /api/v1/organization/{orgname}/applications/{client_id}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	client_id <i>required</i>	The OAuth client ID	string
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.5. updateOrganizationApplication

Updates an application under this organization.

PUT /api/v1/organization/{orgname}/applications/{client_id}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	client_id <i>required</i>	The OAuth client ID	string
path	orgname <i>required</i>	The name of the organization	string

Request body schema (application/json)

Description of an updated application.

Name	Description	Schema
name <i>required</i>	The name of the application	string

Name	Description	Schema
redirect_uri <i>required</i>	The URI for the application's OAuth redirect	string
application_uri <i>required</i>	The URI for the application's homepage	string
description <i>optional</i>	The human-readable description for the application	string
avatar_email <i>optional</i>	The e-mail address of the avatar to use for the application	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.6. deleteOrganizationApplication

Deletes the application under this organization.

DELETE /api/v1/organization/{orgname}/applications/{client_id}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	client_id <i>required</i>	The OAuth client ID	string
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.7. createOrganizationApplication

Creates a new application under this organization.

POST /api/v1/organization/{orgname}/applications

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Request body schema (application/json)

Description of a new organization application.

Name	Description	Schema
name <i>required</i>	The name of the application	string
redirect_uri <i>required</i>	The URI for the application's OAuth redirect	string
application_uri <i>required</i>	The URI for the application's homepage	string
description <i>optional</i>	The human-readable description for the application	string
avatar_email <i>optional</i>	The e-mail address of the avatar to use for the application	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.8. getOrganizationApplications

List the applications for the specified organization.

GET /api/v1/organization/{orgname}/applications

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.9. getProxyCacheConfig

Retrieves the proxy cache configuration of the organization.

GET /api/v1/organization/{orgname}/proxycache

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.10. deleteProxyCacheConfig

Delete proxy cache configuration for the organization.

DELETE /api/v1/organization/{orgname}/proxycache

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.11. createProxyCacheConfig

Creates proxy cache configuration for the organization.

POST /api/v1/organization/{orgname}/proxycache

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Request body schema (application/json)

Proxy cache configuration for an organization

Name	Description	Schema
upstream_registry <i>optional</i>	Name of the upstream registry that is to be cached	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.12. getOrganizationMember

Retrieves the details of a member of the organization.

GET /api/v1/organization/{orgname}/members/{membername}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	membername <i>required</i>	The username of the organization member	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.13. removeOrganizationMember

Removes a member from an organization, revoking all its repository priviledges and removing it from all teams in the organization.

DELETE /api/v1/organization/{orgname}/members/{membername}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	membername <i>required</i>	The username of the organization member	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.14. getOrganizationMembers

List the human members of the specified organization.

GET /api/v1/organization/{orgname}/members

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.15. getOrganization

Get the details for the specified organization.

GET /api/v1/organization/{orgname}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.16. changeOrganizationDetails

Change the details for the specified organization.

PUT /api/v1/organization/{orgname}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Request body schema (application/json)

Description of updates for an existing organization

Name	Description	Schema
email <i>optional</i>	Organization contact email	string
invoice_email <i>optional</i>	Whether the organization desires to receive emails for invoices	boolean

Name	Description	Schema
invoice_email_address <i>optional</i>	The email address at which to receive invoices	
tag_expiration_s <i>optional</i>	The number of seconds for tag expiration	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.17. deleteAdmindedOrganization

Deletes the specified organization.

DELETE /api/v1/organization/{orgname}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError

HTTP Code	Description	Schema
403	Unauthorized access	ApiError
404	Not found	ApiError

2.11.18. getApplicationInformation

Get information on the specified application.

GET /api/v1/app/{client_id}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	client_id <i>required</i>	The OAuth client ID	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12. PERMISSION

Manage repository permissions.

2.12.1. getUserTransitivePermission

Get the fetch the permission for the specified user.

GET /api/v1/repository/{repository}/permissions/user/{username}/transitive

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	username <i>required</i>	The username of the user to which the permissions apply	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.2. getUserPermissions

Get the permission for the specified user.

GET /api/v1/repository/{repository}/permissions/user/{username}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	username <i>required</i>	The username of the user to which the permission applies	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.3. changeUserPermissions

Update the permissions for an existing repository.

PUT /api/v1/repository/{repository}/permissions/user/{username}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	username <i>required</i>	The username of the user to which the permission applies	string

Request body schema (application/json)

Description of a user permission.

Name	Description	Schema
role <i>optional</i>	Role to use for the user	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.4. deleteUserPermissions

Delete the permission for the user.

DELETE /api/v1/repository/{repository}/permissions/user/{username}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	username <i>required</i>	The username of the user to which the permission applies	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.5. getTeamPermissions

Fetch the permission for the specified team.

GET /api/v1/repository/{repository}/permissions/team/{teamname}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	teamname <i>required</i>	The name of the team to which the permission applies	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.6. changeTeamPermissions

Update the existing team permission.

PUT /api/v1/repository/{repository}/permissions/team/{teamname}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	teamname <i>required</i>	The name of the team to which the permission applies	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Description of a team permission.

Name	Description	Schema
role <i>optional</i>	Role to use for the team	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError

HTTP Code	Description	Schema
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.7. deleteTeamPermissions

Delete the permission for the specified team.

DELETE `/api/v1/repository/{repository}/permissions/team/{teamname}`

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	teamname <i>required</i>	The name of the team to which the permission applies	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.8. listRepoTeamPermissions

List all team permission.

GET `/api/v1/repository/{repository}/permissions/team/`

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.12.9. listRepoUserPermissions

List all user permissions.

GET /api/v1/repository/{repository}/permissions/user/

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.13. PROTOTYPE

Manage default permissions added to repositories.

2.13.1. updateOrganizationPrototypePermission

Update the role of an existing permission prototype.

PUT /api/v1/organization/{orgname}/prototypes/{prototypeid}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	prototypeid <i>required</i>	The ID of the prototype	string

Request body schema (application/json)

Description of a the new prototype role

Name	Description	Schema
role <i>optional</i>	Role that should be applied to the permission	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.13.2. deleteOrganizationPrototypePermission

Delete an existing permission prototype.

DELETE /api/v1/organization/{orgname}/prototypes/{prototypeid}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	prototypeid <i>required</i>	The ID of the prototype	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.13.3. createOrganizationPrototypePermission

Create a new permission prototype.

POST /api/v1/organization/{orgname}/prototypes

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Request body schema (application/json)

Description of a new prototype

Name	Description	Schema
role <i>optional</i>	Role that should be applied to the delegate	string
activating_user <i>optional</i>	Repository creating user to whom the rule should apply	object

Name	Description	Schema
delegate <i>optional</i>	Information about the user or team to which the rule grants access	object

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.13.4. getOrganizationPrototypePermissions

List the existing prototypes for this organization.

GET /api/v1/organization/{orgname}/prototypes

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14. REPOSITORY

List, create and manage repositories.

2.14.1. createRepo

Create a new repository.

POST /api/v1/repository

Authorizations: oauth2_implicit (**repo:create**)

Request body schema (application/json)

Description of a new repository

Name	Description	Schema
repository <i>optional</i>	Repository name	string
visibility <i>optional</i>	Visibility which the repository will start with	string
namespace <i>optional</i>	Namespace in which the repository should be created. If omitted, the username of the caller is used	string
description <i>optional</i>	Markdown encoded description for the repository	string
repo_kind <i>optional</i>	The kind of repository	

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14.2. listRepos

Fetch the list of repositories visible to the current user under a variety of situations.

GET /api/v1/repository**Authorizations:** oauth2_implicit (repo:read)**Query parameters**

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string
query	repo_kind <i>optional</i>	The kind of repositories to return	string
query	popularity <i>optional</i>	Whether to include the repository's popularity metric.	boolean
query	last_modified <i>optional</i>	Whether to include when the repository was last modified.	boolean
query	public <i>optional</i>	Adds any repositories visible to the user by virtue of being public	boolean
query	starred <i>optional</i>	Filters the repositories returned to those starred by the user	boolean
query	namespace <i>optional</i>	Filters the repositories returned to this namespace	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14.3. changeRepoVisibility

Change the visibility of a repository.

POST /api/v1/repository/{repository}/changevisibility**Authorizations:** oauth2_implicit (repo:admin)**Path parameters**

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Change the visibility for the repository.

Name	Description	Schema
visibility <i>optional</i>	Visibility which the repository will start with	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14.4. changeRepoState

Change the state of a repository.

PUT /api/v1/repository/{repository}/changestate

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Change the state of the repository.

Name	Description	Schema
state <i>optional</i>	Determines whether pushes are allowed.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14.5. getRepo

Fetch the specified repository.

GET /api/v1/repository/{repository}

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	includeTags <i>optional</i>	Whether to include repository tags	boolean
query	includeStats <i>optional</i>	Whether to include action statistics	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.14.6. updateRepo

Update the description in the specified repository.

PUT /api/v1/repository/{repository}

Authorizations: oauth2_implicit (**repo:write**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Fields which can be updated in a repository.

Name	Description	Schema
description <i>optional</i>	Markdown encoded description for the repository	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.14.7. deleteRepository

Delete a repository.

DELETE /api/v1/repository/{repository}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15. REPOSITORYNOTIFICATION

List, create and manage repository events/notifications.

2.15.1. testRepoNotification

Queues a test notification for this repository.

POST /api/v1/repository/{repository}/notification/{uuid}/test

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
path	uuid <i>required</i>	The UUID of the notification	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15.2. getRepoNotification

Get information for the specified notification.

GET /api/v1/repository/{repository}/notification/{uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	uuid <i>required</i>	The UUID of the notification	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15.3. deleteRepoNotification

Deletes the specified notification.

DELETE /api/v1/repository/{repository}/notification/{uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	uuid <i>required</i>	The UUID of the notification	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15.4. resetRepositoryNotificationFailures

Resets repository notification to 0 failures.

POST /api/v1/repository/{repository}/notification/{uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	uuid <i>required</i>	The UUID of the notification	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15.5. createRepoNotification

POST /api/v1/repository/{repository}/notification/

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Information for creating a notification on a repository

Name	Description	Schema
event <i>optional</i>	The event on which the notification will respond	string
method <i>optional</i>	The method of notification (such as email or web callback)	string
config <i>optional</i>	JSON config information for the specific method of notification	object

Name	Description	Schema
eventConfig <i>optional</i>	JSON config information for the specific event of notification	object
title <i>optional</i>	The human-readable title of the notification	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.15.6. listRepoNotifications

List the notifications for the specified repository.

GET `/api/v1/repository/{repository}/notification/`

Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.16. REPOTOKEN

Manage repository access tokens (DEPRECATED).

2.16.1. getTokens

Fetch the specified repository token information.

GET `/api/v1/repository/{repository}/tokens/{code}`

Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	code <i>required</i>	The token code	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.16.2. changeToken

Update the permissions for the specified repository token.

PUT `/api/v1/repository/{repository}/tokens/{code}`

Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	code <i>required</i>	The token code	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Description of a token permission

Name	Description	Schema
role <i>optional</i>	Role to use for the token	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.16.3. deleteToken

Delete the repository token.

DELETE /api/v1/repository/{repository}/tokens/{code}**Authorizations:** oauth2_implicit (repo:admin)**Path parameters**

Type	Name	Description	Schema
path	code <i>required</i>	The token code	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.16.4. createToken

Create a new repository token.

POST /api/v1/repository/{repository}/tokens/

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Description of a new token.

Name	Description	Schema
friendlyName <i>optional</i>	Friendly name to help identify the token	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.16.5. listRepoTokens

List the tokens for the specified repository.

GET /api/v1/repository/{repository}/tokens/
Authorizations: oauth2_implicit (**repo:admin**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17. ROBOT

Manage user and organization robot accounts.

2.17.1. getUserRobots

List the available robots for the user.

GET /api/v1/user/robots
Authorizations: oauth2_implicit (**user:admin**)

Query parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
query	limit <i>optional</i>	If specified, the number of robots to return.	integer
query	token <i>optional</i>	If false, the robot's token is not returned.	boolean
query	permissions <i>optional</i>	Whether to include repositories and teams in which the robots have permission.	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.2. getOrgRobotPermissions

Returns the list of repository permissions for the org's robot.

GET /api/v1/organization/{orgname}/robots/{robot_shortcode}/permissions

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	robot_shortcode <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.3. regenerateOrgRobotToken

Regenerates the token for an organization robot.

POST /api/v1/organization/{orgname}/robots/{robot_shortname}/regenerate

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.4. getUserRobotPermissions

Returns the list of repository permissions for the user's robot.

GET /api/v1/user/robots/{robot_shortname}/permissions**Authorizations:** oauth2_implicit (**user:admin**)**Path parameters**

Type	Name	Description	Schema
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.5. regenerateUserRobotToken

Regenerates the token for a user's robot.

POST /api/v1/user/robots/{robot_shortname}/regenerate**Authorizations:** oauth2_implicit (**user:admin**)**Path parameters**

Type	Name	Description	Schema
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.6. getOrgRobot

Returns the organization's robot with the specified name.

GET /api/v1/organization/{orgname}/robots/{robot_shortname}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.7. createOrgRobot

Create a new robot in the organization.

PUT /api/v1/organization/{orgname}/robots/{robot_shortname}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Request body schema (application/json)

Optional data for creating a robot

Name	Description	Schema
description <i>optional</i>	Optional text description for the robot	string
unstructured_metadata <i>optional</i>	Optional unstructured metadata for the robot	object

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.8. deleteOrgRobot

Delete an existing organization robot.

DELETE /api/v1/organization/{orgname}/robots/{robot_shortname}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
------	------	-------------	--------

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.9. getOrgRobots

List the organization's robots.

GET /api/v1/organization/{orgname}/robots

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string

Query parameters

Type	Name	Description	Schema
query	limit <i>optional</i>	If specified, the number of robots to return.	integer
query	token <i>optional</i>	If false, the robot's token is not returned.	boolean

Type	Name	Description	Schema
query	permissions <i>optional</i>	Whether to include repostories and teams in which the robots have permission.	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.10. getUserRobot

Returns the user's robot with the specified name.

GET /api/v1/user/robots/{robot_shortname}

Authorizations: oauth2_implicit (**user:admin**)

Path parameters

Type	Name	Description	Schema
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.11. createUserRobot

Create a new user robot with the specified name.

PUT /api/v1/user/robots/{robot_shortname}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Request body schema (application/json)

Optional data for creating a robot

Name	Description	Schema
description <i>optional</i>	Optional text description for the robot	string
unstructured_metadata <i>optional</i>	Optional unstructured metadata for the robot	object

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.17.12. deleteUserRobot

Delete an existing robot.

DELETE /api/v1/user/robots/{robot_shortname}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	robot_shortname <i>required</i>	The short name for the robot, without any user or organization prefix	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.18. SEARCH

Conduct searches against all registry context.

2.18.1. conductRepoSearch

Get a list of apps and repositories that match the specified query.

GET /api/v1/find/repositories

Authorizations:

Query parameters

Type	Name	Description	Schema
query	includeUsage <i>optional</i>	Whether to include usage metadata	boolean
query	page <i>optional</i>	The page.	integer
query	query <i>optional</i>	The search query.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.18.2. conductSearch

Get a list of entities and resources that match the specified query.

GET /api/v1/find/all

Authorizations: oauth2_implicit (repo:read)

Query parameters

Type	Name	Description	Schema
query	query <i>optional</i>	The search query.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.18.3. getMatchingEntities

Get a list of entities that match the specified prefix.

GET /api/v1/entities/{prefix}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	prefix <i>required</i>		string

Query parameters

Type	Name	Description	Schema
query	includeOrgs <i>optional</i>	Whether to include orgs names.	boolean
query	includeTeams <i>optional</i>	Whether to include team names.	boolean
query	namespace <i>optional</i>	Namespace to use when querying for org entities.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.19. SECSCAN

List and manage repository vulnerabilities and other security information.

2.19.1. getRepoManifestSecurity

GET /api/v1/repository/{repository}/manifest/{manifestref}/security

Authorizations: oauth2_implicit (repo:read)

Path parameters

Type	Name	Description	Schema
path	manifestref <i>required</i>	The digest of the manifest	string

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	vulnerabilities <i>optional</i>	Include vulnerabilities informations	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20. SUPERUSER

Superuser API.

2.20.1. createInstallUser

Creates a new user.

POST /api/v1/superuser/users/

Authorizations: oauth2_implicit (**super:user**)

Request body schema (application/json)

Data for creating a user

Name	Description	Schema
username <i>optional</i>	The username of the user being created	string
email <i>optional</i>	The email address of the user being created	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.2. listAllUsers

Returns a list of all users in the system.

GET /api/v1/superuser/users/

Authorizations: oauth2_implicit (**super:user**)

Query parameters

Type	Name	Description	Schema
query	disabled <i>optional</i>	If false, only enabled users will be returned.	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.3. listAllLogs

List the usage logs for the current system.

GET /api/v1/superuser/logs

Authorizations: oauth2_implicit (**super:user**)

Query parameters

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string
query	page <i>optional</i>	The page number for the logs	integer
query	endtime <i>optional</i>	Latest time to which to get logs (%m/%d/%Y %Z)	string
query	starttime <i>optional</i>	Earliest time from which to get logs (%m/%d/%Y %Z)	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.4. createServiceKey

POST /api/v1/superuser/keys

Authorizations: oauth2_implicit (super:user)

Request body schema (application/json)

Description of creation of a service key

Name	Description	Schema
service <i>optional</i>	The service authenticating with this key	string
name <i>optional</i>	The friendly name of a service key	string
metadata <i>optional</i>	The key/value pairs of this key's metadata	object

Name	Description	Schema
notes <i>optional</i>	If specified, the extra notes for the key	string
expiration <i>optional</i>	The expiration date as a unix timestamp	

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.5. listServiceKeys

GET /api/v1/superuser/keys

Authorizations: oauth2_implicit (super:user)

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.6. changeUserQuotaSuperUser

PUT /api/v1/superuser/organization/{namespace}/quota/{quota_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string
path	quota_id <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.7. deleteUserQuotaSuperUser**DELETE** /api/v1/superuser/organization/{namespace}/quota/{quota_id}**Authorizations:** oauth2_implicit (super:user)**Path parameters**

Type	Name	Description	Schema
path	namespace <i>required</i>		string
path	quota_id <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.8. createUserQuotaSuperUser

POST /api/v1/superuser/organization/{namespace}/quota

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.9. listUserQuotaSuperUser

GET /api/v1/superuser/organization/{namespace}/quota

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.10. changeOrganizationQuotaSuperUser

PUT /api/v1/superuser/users/{namespace}/quota/{quota_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string
path	quota_id <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.11. deleteOrganizationQuotaSuperUser

DELETE /api/v1/superuser/users/{namespace}/quota/{quota_id}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string
path	quota_id <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.12. createOrganizationQuotaSuperUser

POST /api/v1/superuser/users/{namespace}/quota

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string

Request body schema (application/json)

Description of a new organization quota

Name	Description	Schema
limit_bytes <i>optional</i>	Number of bytes the organization is allowed	integer

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.13. listOrganizationQuotaSuperUser

GET /api/v1/superuser/users/{namespace}/quota

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	namespace <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	

HTTP Code	Description	Schema
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.14. changeOrganization

Updates information about the specified user.

PUT /api/v1/superuser/organizations/{name}

Authorizations: oauth2_implicit (**super:user**)

Path parameters

Type	Name	Description	Schema
path	name <i>required</i>	The name of the organization being managed	string

Request body schema (application/json)

Description of updates for an existing organization

Name	Description	Schema
email <i>optional</i>	Organization contact email	string
invoice_email <i>optional</i>	Whether the organization desires to receive emails for invoices	boolean
invoice_email_address <i>optional</i>	The email address at which to receive invoices	
tag_expiration_s <i>optional</i>	The number of seconds for tag expiration	integer

Responses

HTTP Code	Description	Schema
-----------	-------------	--------

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.15. deleteOrganization

Deletes the specified organization.

DELETE /api/v1/superuser/organizations/{name}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	name <i>required</i>	The name of the organization being managed	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.16. approveServiceKey

POST /api/v1/superuser/approvedkeys/{kid}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	kid <i>required</i>	The unique identifier for a service key	string

Request body schema (application/json)

Information for approving service keys

Name	Description	Schema
notes <i>optional</i>	Optional approval notes	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.17. getServiceKey**GET /api/v1/superuser/keys/{kid}****Authorizations:** oauth2_implicit (**super:user**)**Path parameters**

Type	Name	Description	Schema
path	kid <i>required</i>	The unique identifier for a service key	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError

HTTP Code	Description	Schema
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.18. updateServiceKey

PUT /api/v1/superuser/keys/{kid}

Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	kid <i>required</i>	The unique identifier for a service key	string

Request body schema (application/json)

Description of updates for a service key

Name	Description	Schema
name <i>optional</i>	The friendly name of a service key	string
metadata <i>optional</i>	The key/value pairs of this key's metadata	object
expiration <i>optional</i>	The expiration date as a unix timestamp	

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.20.19. deleteServiceKey

DELETE /api/v1/superuser/keys/{kid}

Authorizations: oauth2_implicit (**super:user**)

Path parameters

Type	Name	Description	Schema
path	kid <i>required</i>	The unique identifier for a service key	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.20. getRepoBuildStatusSuperUser

Return the status for the builds specified by the build uuids.

GET /api/v1/superuser/{build_uuid}/status

Authorizations: oauth2_implicit (**super:user**)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.21. getRepoBuildSuperUser

Returns information about a build.

GET /api/v1/superuser/{build_uuid}/build
Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.20.22. getRepoBuildLogsSuperUser

Return the build logs for the build specified by the build uuid.

GET /api/v1/superuser/{build_uuid}/logs
Authorizations: oauth2_implicit (super:user)

Path parameters

Type	Name	Description	Schema
path	build_uuid <i>required</i>	The UUID of the build	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.21. TAG

Manage the tags of a repository.

2.21.1. restoreTag

Restores a repository tag back to a previous image in the repository.

POST /api/v1/repository/{repository}/tag/{tag}/restore

Authorizations: oauth2_implicit (repo:write)

Path parameters

Type	Name	Description	Schema
path	tag <i>required</i>	The name of the tag	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Restores a tag to a specific image

Name	Description	Schema
manifest_digest <i>optional</i>	If specified, the manifest digest that should be used	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.21.2. changeTag

Change which image a tag points to or create a new tag.

PUT /api/v1/repository/{repository}/tag/{tag}

Authorizations: oauth2_implicit (**repo:write**)

Path parameters

Type	Name	Description	Schema
path	tag <i>required</i>	The name of the tag	string
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Request body schema (application/json)

Makes changes to a specific tag

Name	Description	Schema
manifest_digest <i>optional</i>	(If specified) The manifest digest to which the tag should point	
expiration <i>optional</i>	(If specified) The expiration for the image	

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.21.3. deleteFullTag

Delete the specified repository tag.

DELETE /api/v1/repository/{repository}/tag/{tag}

Authorizations: oauth2_implicit (repo:write)

Path parameters

Type	Name	Description	Schema
path	tag <i>required</i>	The name of the tag	string
path	repository <i>required</i>	The full path of the repository, e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.21.4. listRepoTags

GET /api/v1/repository/{repository}/tag/

Authorizations: oauth2_implicit (**repo:read**)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Query parameters

Type	Name	Description	Schema
query	onlyActiveTags <i>optional</i>	Filter to only active tags.	boolean
query	page <i>optional</i>	Page index for the results. Default 1.	integer
query	limit <i>optional</i>	Limit to the number of results to return per page. Max 100.	integer
query	specificTag <i>optional</i>	Filters the tags to the specific tag.	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22. TEAM

Create, list and manage an organization's teams.

2.22.1. getOrganizationTeamPermissions

Returns the list of repository permissions for the org's team.

GET /api/v1/organization/{orgname}/team/{teamname}/permissions

Authorizations:**Path parameters**

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.2. updateOrganizationTeamMember

Adds or invites a member to an existing team.

PUT /api/v1/organization/{orgname}/team/{teamname}/members/{membername}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string
path	membername <i>required</i>	The username of the team member	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.3. deleteOrganizationTeamMember

Delete a member of a team.

If the user is merely invited to join the team, then the invite is removed instead.

DELETE /api/v1/organization/{orgname}/team/{teamname}/members/{membername}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string
path	membername <i>required</i>	The username of the team member	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError

HTTP Code	Description	Schema
404	Not found	ApiError

2.22.4. getOrganizationTeamMembers

Retrieve the list of members for the specified team.

GET /api/v1/organization/{orgname}/team/{teamname}/members

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string

Query parameters

Type	Name	Description	Schema
query	includePending <i>optional</i>	Whether to include pending members	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.5. inviteTeamMemberEmail

Invites an email address to an existing team.

PUT /api/v1/organization/{orgname}/team/{teamname}/invite/{email}**Authorizations:** oauth2_implicit (org:admin)**Path parameters**

Type	Name	Description	Schema
path	orgname <i>required</i>		string
path	teamname <i>required</i>		string
path	email <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.6. deleteTeamMemberEmailInvite

Delete an invite of an email address to join a team.

DELETE /api/v1/organization/{orgname}/team/{teamname}/invite/{email}**Authorizations:** oauth2_implicit (org:admin)**Path parameters**

Type	Name	Description	Schema
path	orgname <i>required</i>		string
path	teamname <i>required</i>		string
path	email <i>required</i>		string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.7. updateOrganizationTeam

Update the org-wide permission for the specified team.

PUT /api/v1/organization/{orgname}/team/{teamname}

Authorizations: oauth2_implicit (**org:admin**)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string

Request body schema (application/json)

Description of a team

Name	Description	Schema
role <i>optional</i>	Org wide permissions that should apply to the team	string
description <i>optional</i>	Markdown description for the team	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	

HTTP Code	Description	Schema
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.22.8. deleteOrganizationTeam

Delete the specified team.

DELETE /api/v1/organization/{orgname}/team/{teamname}

Authorizations: oauth2_implicit (org:admin)

Path parameters

Type	Name	Description	Schema
path	orgname <i>required</i>	The name of the organization	string
path	teamname <i>required</i>	The name of the team	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23. TRIGGER

Create, list and manage build triggers.

2.23.1. activateBuildTrigger

Activate the specified build trigger.

POST /api/v1/repository/{repository}/trigger/{trigger_uuid}/activate

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Request body schema (application/json)

Name	Description	Schema
config <i>optional</i>	Arbitrary json.	object
pull_robot <i>optional</i>	The name of the robot that will be used to pull images.	string

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.2. listTriggerRecentBuilds

List the builds started by the specified trigger.

GET /api/v1/repository/{repository}/trigger/{trigger_uuid}/builds

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Query parameters

Type	Name	Description	Schema
query	limit <i>optional</i>	The maximum number of builds to return	integer

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.3. manuallyStartBuildTrigger

Manually start a build from the specified trigger.

POST /api/v1/repository/{repository}/trigger/{trigger_uuid}/start

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Request body schema (application/json)

Optional run parameters for activating the build trigger

Name	Description	Schema
branch_name <i>optional</i>	(SCM only) If specified, the name of the branch to build.	string
commit_sha <i>optional</i>	(Custom Only) If specified, the ref/SHA1 used to checkout a git repository.	string
refs <i>optional</i>	(SCM Only) If specified, the ref to build.	

Responses

HTTP Code	Description	Schema
201	Successful creation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.4. getBuildTrigger

Get information for the specified build trigger.

GET /api/v1/repository/{repository}/trigger/{trigger_uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.5. updateBuildTrigger

Updates the specified build trigger.

PUT /api/v1/repository/{repository}/trigger/{trigger_uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Request body schema (application/json)

Options for updating a build trigger

Name	Description	Schema
enabled <i>optional</i>	Whether the build trigger is enabled	boolean

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError

HTTP Code	Description	Schema
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.6. deleteBuildTrigger

Delete the specified build trigger.

DELETE /api/v1/repository/{repository}/trigger/{trigger_uuid}

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string
path	trigger_uuid <i>required</i>	The UUID of the build trigger	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.23.7. listBuildTriggers

List the triggers for the specified repository.

GET /api/v1/repository/{repository}/trigger/

Authorizations: oauth2_implicit (repo:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.24. USER

Manage the current user.

2.24.1. createStar

Star a repository.

POST /api/v1/user/starred

Authorizations: oauth2_implicit (repo:read)

Request body schema (application/json)

Name	Description	Schema
namespace <i>optional</i>	Namespace in which the repository belongs	string
repository <i>optional</i>	Repository name	string

Responses

HTTP Code	Description	Schema
201	Successful creation	

HTTP Code	Description	Schema
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.24.2. listStarredRepos

List all starred repositories.

GET /api/v1/user/starred

Authorizations: oauth2_implicit (**user:admin**)

Query parameters

Type	Name	Description	Schema
query	next_page <i>optional</i>	The page token for the next page	string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.24.3. getLoggedInUser

Get user information for the authenticated user.

GET /api/v1/user/

Authorizations: oauth2_implicit (**user:read**)

Responses

HTTP Code	Description	Schema
200	Successful invocation	UserView
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.24.4. deleteStar

Removes a star from a repository.

DELETE /api/v1/user/starred/{repository}

Authorizations: oauth2_implicit (user:admin)

Path parameters

Type	Name	Description	Schema
path	repository <i>required</i>	The full path of the repository. e.g. namespace/name	string

Responses

HTTP Code	Description	Schema
204	Deleted	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.24.5. getUserInformation

Get user information for the specified user.

GET /api/v1/users/{username}

Authorizations:

Path parameters

Type	Name	Description	Schema
path	username <i>required</i>		string

Responses

HTTP Code	Description	Schema
200	Successful invocation	
400	Bad Request	ApiError
401	Session required	ApiError
403	Unauthorized access	ApiError
404	Not found	ApiError

2.25. DEFINITIONS

2.25.1. ApiError

Name	Description	Schema
status <i>optional</i>	Status code of the response.	integer
type <i>optional</i>	Reference to the type of the error.	string
detail <i>optional</i>	Details about the specific instance of the error.	string
title <i>optional</i>	Unique error code to identify the type of error.	string
error_message <i>optional</i>	Deprecated; alias for detail	string
error_type <i>optional</i>	Deprecated; alias for detail	string

2.25.2. UserView

Name	Description	Schema
verified <i>optional</i>	Whether the user's email address has been verified	boolean
anonymous <i>optional</i>	true if this user data represents a guest user	boolean
email <i>optional</i>	The user's email address	string
avatar <i>optional</i>	Avatar data representing the user's icon	object
organizations <i>optional</i>	Information about the organizations in which the user is a member	array of object
logins <i>optional</i>	The list of external login providers against which the user has authenticated	array of object
can_create_repo <i>optional</i>	Whether the user has permission to create repositories	boolean
preferred_namespace <i>optional</i>	If true, the user's namespace is the preferred namespace to display	boolean

2.25.3. ViewMirrorConfig

Name	Description	Schema
is_enabled <i>optional</i>	Used to enable or disable synchronizations.	boolean
external_reference <i>optional</i>	Location of the external repository.	string
external_registry_username <i>optional</i>	Username used to authenticate with external registry.	
external_registry_password <i>optional</i>	Password used to authenticate with external registry.	
sync_start_date <i>optional</i>	Determines the next time this repository is ready for synchronization.	string

Name	Description	Schema
sync_interval <i>optional</i>	Number of seconds after next_start_date to begin synchronizing.	integer
robot_username <i>optional</i>	Username of robot which will be used for image pushes.	string
root_rule <i>optional</i>	A list of glob-patterns used to determine which tags should be synchronized.	object
external_registry_config <i>optional</i>		object

2.25.4. ApiErrorDescription

Name	Description	Schema
type <i>optional</i>	A reference to the error type resource	string
title <i>optional</i>	The title of the error. Can be used to uniquely identify the kind of error.	string
description <i>optional</i>	A more detailed description of the error that may include help for fixing the issue.	string

CHAPTER 3. API CONFIGURATION EXAMPLES

3.1. EXTERNAL_REGISTRY_CONFIG OBJECT REFERENCE

```
{
  "is_enabled": True,
  "external_reference": "quay.io/redhat/quay",
  "sync_interval": 5000,
  "sync_start_date": datetime(2020, 0o1, 0o2, 6, 30, 0),
  "external_registry_username": "fakeUsername",
  "external_registry_password": "fakePassword",
  "external_registry_config": {
    "verify_tls": True,
    "unsigned_images": False,
    "proxy": {
      "http_proxy": "http://insecure.proxy.corp",
      "https_proxy": "https://secure.proxy.corp",
      "no_proxy": "mylocalhost",
    },
  },
}
```

3.2. RULE_RULE OBJECT REFERENCE

```
{
  "root_rule": {"rule_kind": "tag_glob_csv", "rule_value": ["latest", "foo", "bar"]},
}
```