The REST API is now versioned. For more information, see "About API versioning."

# **Custom Repository Roles**

Use the REST API to interact with custom repository roles.

## Deprecated - List custom repository roles in an organization &

✓ Works with <u>GitHub Apps</u>

GitHub Docs

**Note**: This operation is deprecated and will be removed in the future. Use the "<u>List custom repository roles</u>" endpoint instead.

List the custom repository roles available in this organization. In order to see custom repository roles in an organization, the authenticated user must be an organization owner.

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization custom roles:read or organization administration:read organization permission to use this endpoint.

For more information on custom repository roles, see "About custom repository roles."

## Parameters for "Deprecated - List custom repository roles in an organization"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

organization\_id string Required

The unique identifier of the organization.

## HTTP response status codes for "Deprecated - List custom repository roles in an organization"

Status code Description

200 Response - list of custom role names

#### Code samples for "Deprecated - List custom repository roles in an organization"



```
\ nttps://api.gitnub.com/organizations/UKGANiZATiUN_ID/custom_roles
```

#### Response - list of custom role names

```
Example response Response schema

Status: 200

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base_role": "maintain", "permissions": [ "delete_alerts_code_scanning" ], "organization": { "login": "github", "id": 1, "node_id": "MDEy0k9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos_url": "https://api.github.com/orgs/github/repos", "events_url": "https://api.github.com/orgs/github/events", "hooks_url": "https://api.github.com/orgs/github/hooks", "issues_url": "https://api.github.com/orgs/github/members{/member}", "public_members_url": "https://api.github.com/orgs/github/members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members_", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members_", "avatar_url": "public_members_url": "public_members_url
```

## List custom repository roles in an organization &

## Works with <u>GitHub Apps</u>

List the custom repository roles available in this organization. In order to see custom repository roles in an organization, the authenticated user must be an organization owner.

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization custom roles:read or organization administration:read organization permission to use this endpoint.

For more information on custom repository roles, see "About custom repository roles."

#### Parameters for "List custom repository roles in an organization"

#### **Headers**

200

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

## HTTP response status codes for "List custom repository roles in an organization"

Status code Description

Response - list of custom role names

Code samples for "List custom repository roles in an organization"

GET /orgs/{org}/custom-repository-roles

```
cURL JavaScript GitHub CLI

curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/orgs/ORG/custom-repository-roles
```

#### Response - list of custom role names

```
Example response Response schema

Status: 200

{ "total_count": 2, "custom_roles": [ { "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base_role": "maintain", "permissions": [ "delete_alerts_code_scanning" ], "organization": { "login": "github", "id": 9919, "node_id": "MDEyOk9yZZFuaXphdGlvbjk5MTk=", "avatar_url": "https://avatars.githubusercontent.com/u/9919?v=4", "gravatar_id": "", "url": "https://api.github.com/users/github", "html_url": "https://api.github.com/github", "followers_url": "https://api.github.com/users/github/following_url": "https://api.github.com/users/github/following_url": "https://api.github.com/users/github/gists{/gist_id}", "
```

## Create a custom repository role @

Works with <u>GitHub Apps</u>

Creates a custom repository role that can be used by all repositories owned by the organization.

To use this endpoint, the authenticated user must be an administrator for the organization and must use a personal access token (classic) with admin:org scope or a fine-grained personal access token with the organization\_custom\_roles:write organization permission.

For more information on custom repository roles, see "About custom repository roles."

#### Parameters for "Create a custom repository role"

#### Headers

accept string
Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

#### **Body parameters**

name string Required

The name of the custom role.

**description** string or null

A short description about who this role is for or what permissions it grants.

base role string Required

The system role from which this role inherits permissions.

Can be one of: read , triage , write , maintain

permissions array of strings Required

A list of additional permissions included in this role.

#### HTTP response status codes for "Create a custom repository role"

Status code	Description
201	Created
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

## Code samples for "Create a custom repository role"



## Response

```
Example response Response schema

Status: 201

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base_role": "maintain", "permissions": [ "delete_alerts_code_scanning" ], "organization": { "login": "github", "id": 1, "node_id": "MDEy0k9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos_url": "https://api.github.com/orgs/github/repos", "events_url": "https://api.github.com/orgs/github/events", "hooks_url": "https://api.github.com/orgs/github/hooks", "issues_url": "https://api.github.com/orgs/github/issues", "members_url": "https://api.github.com/orgs/github/members{/member}", "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "public_memb
```

# Get a custom repository role &

## Works with <u>GitHub Apps</u>

Gets a custom repository role that is available to all repositories owned by the organization.

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization\_custom\_roles:read or organization\_administration:read organization permission to use this endpoint.

For more information on custom repository roles, see "About custom repository roles."

#### Parameters for "Get a custom repository role"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

## HTTP response status codes for "Get a custom repository role"

Status code	Description
200	OK
404	Resource not found

#### Code samples for "Get a custom repository role"



## Response

Example response Response schema

Status: 200

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base\_role": "maintain", "permissions": [ "delete\_alerts\_code\_scanning" ], "organization": { "login": "github", "id": 1, "node\_id": "MDEyOk9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos\_url": "https://api.github.com/orgs/github/repos", "events\_url": "https://api.github.com/orgs/github/events", "hooks\_url": "https://api.github.com/orgs/github/hooks", "issues\_url": "https://api.github.com/orgs/github/issues", "members\_url": "https://api.github.com/orgs/github/members{/member}", "public\_members\_url": "https://api.github.com/orgs/github/public\_members{/member}", "avatar\_url":

# **Update a custom repository role** *₽*

Works with <u>GitHub Apps</u>

Updates a custom repository role that can be used by all repositories owned by the organization.

To use this endpoint the authenticated user must be an administrator for the organization and must use an access token with <code>admin:org</code> scope. GitHub Apps must have the <code>organization\_custom\_roles:write</code> organization permission to use this endpoint.

For more information about custom repository roles, see "About custom repository roles."

## Parameters for "Update a custom repository role"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### **Path parameters**

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

#### **Body parameters**

name string

The name of the custom role.

description string or null

A short description about who this role is for or what permissions it grants.

base\_role string

The system role from which this role inherits permissions.

Can be one of: read , triage , write , maintain

permissions array of strings

A list of additional permissions included in this role.

## HTTP response status codes for "Update a custom repository role"

Status code	Description
200	OK
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

#### Code samples for "Update a custom repository role"

PATCH /orgs/{org}/custom-repository-roles/{role\_id}

```
CURL JavaScript GitHub CLI

curl -L \ -X PATCH \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/orgs/ORG/custom-repository-roles/ROLE_ID \ -d '{"name":"Labeler","description":"A role for issue and PR labelers","base_role":"read","permissions":["add_label","remove_label"]}'
```

#### Response

```
Example response Response schema

Status: 200

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base_role": "maintain", "permissions": [ "delete_alerts_code_scanning" ], "organization": { "login": "github", "id": 1, "node_id": "MDEy0k9yZZFuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos_url": "https://api.github.com/orgs/github/repos", "events_url": "https://api.github.com/orgs/github/events", "hooks_url": "https://api.github.com/orgs/github/hooks", "issues_url": "https://api.github.com/orgs/github/issues", "members_url": "https://api.github.com/orgs/github/members{/member}", "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "avatar_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "https://api.github.com/orgs/github/public_m
```

## **Delete a custom repository role** *∂*

## Works with GitHub Apps

Deletes a custom role from an organization. Once the custom role has been deleted, any user, team, or invitation with the deleted custom role will be reassigned the inherited role.

To use this endpoint the authenticated user must be an administrator for the organization and must use an access token with admin:org scope. GitHub Apps must have the organization\_custom\_roles:write organization permission to use this endpoint.

For more information about custom repository roles, see "About custom repository roles."

#### Parameters for "Delete a custom repository role"

#### Headers

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

HTTP response status codes for "Delete a custom repository role"

Status code Description

No Content

#### Code samples for "Delete a custom repository role"



## Response

Status: 204

## Deprecated - Create a custom role @

Works with <u>GitHub Apps</u>

**Note**: This operation is deprecated and will be removed after September 6th 2023. Use the "Create a custom repository role" endpoint instead.

Creates a custom repository role that can be used by all repositories owned by the organization.

To use this endpoint, the authenticated user must be an administrator for the organization and must use a personal access token (classic) with admin:org scope or a fine-grained personal access token with the organization\_custom\_roles:write organization permission.

For more information on custom repository roles, see "About custom repository roles."

## Parameters for "Deprecated - Create a custom role"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## **Path parameters**

org string Required

The organization name. The name is not case sensitive.

#### **Body parameters**

name string Required

The name of the custom role.

A short description about who this role is for or what permissions it grants.

base\_role string Required

The system role from which this role inherits permissions.

Can be one of: read , triage , write , maintain

permissions array of strings Required

A list of additional permissions included in this role.

## HTTP response status codes for "Deprecated - Create a custom role"

Status code	Description
201	Created
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

## Code samples for "Deprecated - Create a custom role"



## Response

Example response Response schema

Status: 201

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline",
"base\_role": "maintain", "permissions": [ "delete\_alerts\_code\_scanning" ], "organization": { "login": "github", "id": 1, "node\_id":
"MDEy0k9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos\_url": "https://api.github.com/orgs/github/repos",
"events\_url": "https://api.github.com/orgs/github/events", "hooks\_url": "https://api.github.com/orgs/github/hooks", "issues\_url":
"https://api.github.com/orgs/github/issues", "members\_url": "https://api.github.com/orgs/github/members{/member}",
"public\_members\_url": "https://api.github.com/orgs/github/public\_members{/member}", "avatar\_url":

# Deprecated - Get a custom role &

Works with GitHub Apps

**Note**: This operation is deprecated and will be removed after September 6th 2023. Use the "Get a custom repository role" endpoint instead.

Gets a custom repository role that is available to all repositories owned by the organization.

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the

organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization custom roles:read or organization administration:read organization permission to use this endpoint.

For more information on custom repository roles, see "About custom repository roles."

#### Parameters for "Deprecated - Get a custom role"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

## HTTP response status codes for "Deprecated - Get a custom role"

Status code	Description
200	OK
404	Resource not found

## Code samples for "Deprecated - Get a custom role"



#### Response

Example response Response schema

Status: 200

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline",
"base\_role": "maintain", "permissions": [ "delete\_alerts\_code\_scanning" ], "organization": { "login": "github", "id": 1, "node\_id":
"MDEy0k9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos\_url": "https://api.github.com/orgs/github/repos",
"events\_url": "https://api.github.com/orgs/github/events", "hooks\_url": "https://api.github.com/orgs/github/hooks", "issues\_url":
"https://api.github.com/orgs/github/issues", "members\_url": "https://api.github.com/orgs/github/members{/member}",
"public\_members\_url": "https://api.github.com/orgs/github/public\_members{/member}", "avatar\_url":

# Deprecated - Update a custom role &

Works with <u>GitHub Apps</u>

**Note**: This operation is deprecated and will be removed after September 6th 2023. Use the "<u>Update a custom repository role</u>" endpoint instead.

Updates a custom repository role that can be used by all repositories owned by the organization.

To use this endpoint the authenticated user must be an administrator for the organization and must use an access token with admin:org scope. GitHub Apps must have the organization\_custom\_roles:write organization permission to use this endpoint.

For more information about custom repository roles, see "About custom repository roles."

## Parameters for "Deprecated - Update a custom role"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### **Path parameters**

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

## **Body parameters**

name string

The name of the custom role.

description string or null

A short description about who this role is for or what permissions it grants.

base\_role string

The system role from which this role inherits permissions.

Can be one of:  $\mbox{read}$  ,  $\mbox{triage}$  ,  $\mbox{write}$  ,  $\mbox{maintain}$ 

permissions array of strings

A list of additional permissions included in this role.

## HTTP response status codes for "Deprecated - Update a custom role"

Status code	Description
200	OK
404	Resource not found

## Code samples for "Deprecated - Update a custom role"



#### Response

```
Example response Response schema

Status: 200

{ "id": 8030, "name": "Security Engineer", "description": "Able to contribute code and maintain the security pipeline", "base_role": "maintain", "permissions": [ "delete_alerts_code_scanning" ], "organization": { "login": "github", "id": 1, "node_id": "MDEy0k9yZ2FuaXphdGlvbjE=", "url": "https://api.github.com/orgs/github", "repos_url": "https://api.github.com/orgs/github/repos", "events_url": "https://api.github.com/orgs/github/events", "hooks_url": "https://api.github.com/orgs/github/hooks", "issues_url": "https://api.github.com/orgs/github/issues", "members_url": "https://api.github.com/orgs/github/members{/member}", "avatar_url": "public_members_url": "https://api.github.com/orgs/github/public_members{/member}", "avatar_url": "public_members_url": "public_me
```

# Deprecated - Delete a custom role &

Works with <u>GitHub Apps</u>

**Note**: This operation is deprecated and will be removed after September 6th 2023. Use the "<u>Delete a custom repository role</u>" endpoint instead.

Deletes a custom role from an organization. Once the custom role has been deleted, any user, team, or invitation with the deleted custom role will be reassigned the inherited role.

To use this endpoint the authenticated user must be an administrator for the organization and must use an access token with <code>admin:org</code> scope. GitHub Apps must have the <code>organization\_custom\_roles:write</code> organization permission to use this endpoint.

For more information about custom repository roles, see "About custom repository roles."

## Parameters for "Deprecated - Delete a custom role"

## **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

org string Required

The organization name. The name is not case sensitive.

role\_id integer Required

The unique identifier of the role.

## HTTP response status codes for "Deprecated - Delete a custom role"

Status code Description

No Content

#### Code samples for "Deprecated - Delete a custom role"



#### Response

Status: 204

# Deprecated - List fine-grained permissions for an organization @

Works with GitHub Apps

**Note**: This operation is deprecated and will be removed after September 6th 2023. Use the "<u>List fine-grained repository permissions</u>" endpoint instead.

Lists the fine-grained permissions that can be used in custom repository roles for an organization. For more information, see "About custom repository roles."

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization\_custom\_roles:read or organization\_administration:read organization permission to use this endpoint.

## Parameters for "Deprecated - List fine-grained permissions for an organization"

## **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

## HTTP response status codes for "Deprecated - List fine-grained permissions for an organization"

Status code Description

200 OK

#### Code samples for "Deprecated - List fine-grained permissions for an organization"



## Response

Example response Response schema

Status: 200

[ { "name": "add\_assignee", "description": "Assign or remove a user" }, { "name": "remove\_assignee", "description": "Remove an assigned user" }, { "name": "add\_label", "description": "Add or remove a label" } ]

# List repository fine-grained permissions for an organization &

Works with GitHub Apps

Lists the fine-grained permissions that can be used in custom repository roles for an organization. For more information, see "About custom repository roles."

To use this endpoint the authenticated user must be an administrator of the organization or of a repository of the organization and must use an access token with the admin:org or repo scope. GitHub Apps must have the organization\_custom\_roles:read or organization\_administration:read organization permission to use this endpoint.

#### Parameters for "List repository fine-grained permissions for an organization"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### **Path parameters**

org string Required

The organization name. The name is not case sensitive.

## HTTP response status codes for "List repository fine-grained permissions for an organization"

Status code	Description
200	ОК

## Code samples for "List repository fine-grained permissions for an organization"



#### Response

```
Status: 200

[ { "name": "add_assignee", "description": "Assign or remove a user" }, { "name": "remove_assignee", "description": "Remove an assigned user" }, { "name": "add_label", "description": "Add or remove a label" } ]
```

## Legal

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