

The REST API is now versioned. For more information, see "[About API versioning](#)."

Properties

Use the REST API to create and manage custom properties for an organization.

About custom properties [↗](#)

You can use the REST API to create and manage custom properties for an organization. You can use custom properties to add metadata to repositories in your organization. For more information, see "[Managing custom properties for repositories in your organization](#)."

Note: The API endpoints for custom properties are in public beta and subject to change.

Get all custom properties for an organization [↗](#)

✔ Works with [GitHub Apps](#) [↗](#)

Gets all custom properties defined for an organization. You must be an organization owner to use this endpoint.

Parameters for "Get all custom properties 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 "Get all custom properties for an organization"

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "Get all custom properties for an organization"

GET

/orgs/{org}/properties/schema

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/properties/schema
```

Response

Example response

Response schema

Status: 200

```
[ { "property_name": "environment", "value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": [ "production", "development" ] }, { "property_name": "service", "value_type": "string" }, { "property_name": "team", "value_type": "string", "description": "Team owning the repository" } ]
```

Create or update custom properties for an organization [↗](#)

✔ Works with [GitHub Apps](#)

Creates new or updates existing custom properties defined for an organization in a batch. Only organization owners (or users with the proper permissions granted by them) can update these properties

Parameters for "Create or update custom properties 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.

Body parameters

properties array of objects **Required**
The array of custom properties to create or update.

► Properties of `properties`

HTTP response status codes for "Create or update custom properties for an organization"

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "Create or update custom properties for an organization"

PATCH /orgs/{org}/properties/schema

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/properties/schema \ -d '{"properties": [{"property_name": "environment", "value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": ["production", "development"]}, {"property_name": "service", "value_type": "string"}, {"property_name": "team", "value_type": "string", "description": "Team owning the repository"}]}'
```

Response

Example response

Response schema

Status: 200

```
[ { "property_name": "environment", "value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": [ "production", "development" ] }, { "property_name": "service", "value_type": "string" }, { "property_name": "team", "value_type": "string", "description": "Team owning the repository" } ]
```

Get a custom property for an organization

Works with [GitHub Apps](#)

Gets a custom property that is defined for an organization. You must be an organization owner to use this endpoint.

Parameters for "Get a custom property 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.

custom_property_name

 string **Required**

The custom property name. The name is case sensitive.

The custom property name. The name is case sensitive.

HTTP response status codes for "Get a custom property for an organization"

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "Get a custom property for an organization"

GET

/orgs/{org}/properties/schema/{custom_property_name}

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/properties/schema/CUSTOM_PROPERTY_NAME
```

Response

Example response

Response schema

Status: 200

```
{ "property_name": "environment", "value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": [ "production", "development" ] }
```

Create or update a custom property for an organization [↗](#)

✔ Works with [GitHub Apps](#)

Creates a new or updates an existing custom property that is defined for an organization. You must be an organization owner to use this endpoint.

Parameters for "Create or update a custom property 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.

custom_property_name string **Required**

The custom property name. The name is case sensitive.

Body parameters

value_type string **Required**

The type of the value for the property

Can be one of: `string` , `single_select`

required boolean

Whether the property is required.

default_value string or null

Default value of the property

description string or null

Short description of the property

allowed_values array of strings or null

Ordered list of allowed values of the property

HTTP response status codes for "Create or update a custom property for an organization"

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "Create or update a custom property for an organization"

PUT

/orgs/{org}/properties/schema/{custom_property_name}

cURL

JavaScript

GitHub CLI

```
curl -L \ -X PUT \ -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/properties/schema/CUSTOM_PROPERTY_NAME \ -d '{"value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": ["production", "development"]}'
```

Response

Example response

Response schema

Status: 200

```
{ "property_name": "environment", "value_type": "single_select", "required": true, "default_value": "production", "description": "Prod or dev environment", "allowed_values": ["production", "development"] }
```

```
{
  "property_name": "environment",
  "value_type": "single_select",
  "required": true,
  "default_value": "production",
  "description": "Prod or dev environment",
  "allowed_values": [ "production", "development" ]
}
```

Remove a custom property for an organization [↗](#)

✔ Works with [GitHub Apps](#)

Removes a custom property that is defined for an organization. You must be an organization owner to use this endpoint.

Parameters for "Remove a custom property 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.

custom_property_name string **Required**
The custom property name. The name is case sensitive.

HTTP response status codes for "Remove a custom property for an organization"

Status code	Description
204	A header with no content is returned.
403	Forbidden
404	Resource not found


Code samples for "Remove a custom property for an organization"

DELETE /orgs/{org}/properties/schema/{custom_property_name}

cURL

JavaScript

GitHub CLI



```
curl -L \
-X DELETE \
-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/properties/schema/CUSTOM_PROPERTY_NAME
```

A header with no content is returned.

List custom property values for organization repositories

✔ Works with [GitHub Apps](#)

Lists organization repositories with all of their custom property values. Organization members can read these properties.

Parameters for "List custom property values for organization repositories"

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.

Query parameters

per_page integer
The number of results per page (max 100).
Default: `30`

page integer
Page number of the results to fetch.
Default: `1`

HTTP response status codes for "List custom property values for organization repositories"

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "List custom property values for organization repositories"

GET

/orgs/{org}/properties/values

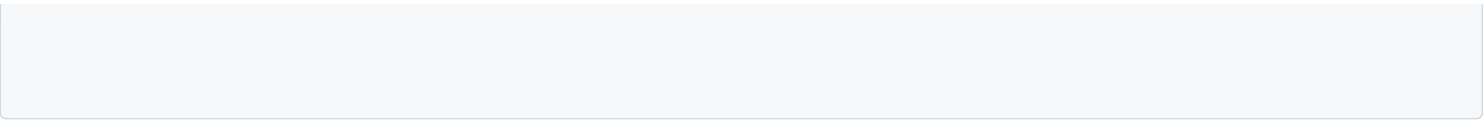
cURL

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/properties/values
```



Response

Example response

Response schema

Status: 200

```
[ { "repository_id": 1296269, "repository_name": "Hello-World", "repository_full_name": "octocat/Hello-World", "properties": [ { "property_name": "environment", "value": "production" }, { "property_name": "service", "value": "web" }, { "property_name": "team", "value": "octocat" } ] } ]
```

Create or update custom property values for organization repositories

✔ Works with [GitHub Apps](#)

Create new or update existing custom property values for repositories in a batch that belong to an organization. Each target repository will have its custom property values updated to match the values provided in the request.

A maximum of 30 repositories can be updated in a single request.

Using a value of `null` for a custom property will remove or 'unset' the property value from the repository.

Only organization owners (or users with the proper permissions granted by them) can update these properties

Parameters for "Create or update custom property values for organization repositories"

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

repository_names array of strings **Required**
The names of repositories that the custom property values will be applied to.

properties array of objects **Required**

List of custom property names and associated values to apply to the repositories.

► Properties of `properties`

HTTP response status codes for "Create or update custom property values for organization repositories"

Status code	Description
204	No Content when custom property values are successfully created or updated
403	Forbidden
404	Resource not found

Code samples for "Create or update custom property values for organization repositories"

PATCH

/orgs/{org}/properties/values

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/properties/values \ -d '{"repository_names":["Hello-World","octo-repo"],"properties":[{"property_name":"environment","value":"production"}, {"property_name":"service","value":"web"}, {"property_name":"team","value":"octocat"}]}'
```

No Content when custom property values are successfully created or updated

Status: 204

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