

+++ title = “Fine-grained access control references” description = “Refer to fine-grained access control references” keywords = [“grafana”, “fine-grained-access-control”, “roles”, “fixed-roles”, “built-in-role-assignments”, “permissions”, “enterprise”] weight = 130 +++

## Fine-grained access control references

The reference information that follows complements conceptual information about [Roles]({{< relref “./roles.md” >}}).

### Fine-grained access fixed roles

Fixed roles	Permissions	Descriptions
<code>fixed:roles::reader</code>	<code>roles:list</code>	Read roles, permissions assigned to users, teams and built-in role assignments.
<code>fixed:roles::writer</code>	<code>roles:delete</code>	Create, read, update, or delete all roles, assign or unassign roles to users, teams and built-in role assignments.
<code>fixed:reports::reader</code>	<code>reports:send</code>	Read reports and shared report settings.
<code>fixed:reports::writer</code>	<code>reports:delete</code>	Create, read, update, or delete all reports and shared report settings.
<code>fixed:users::reader</code>	<code>users:quotas:list</code>	Read all token and other information, such as team memberships, authentication tokens, and quotas.
<code>fixed:users::writer</code>	<code>users:create</code>	Read and update all attributes and settings for all users in Grafana: create or enable or disable a user, make a user a Grafana administrator, sign out a user, update a user’s authentication token, or update quotas for all users.
<code>fixed:org.users::reader</code>		Read users within a single organization.

Fixed roles	Permissions	Descriptions
fixed:org.permissions:writer	fixed:org.users:reader and org.users:addorg.users:removeorg.users:role:update	Within a single organization, add a user, invite a user, read information on users, role, update role, remove a user from that organization, or change the role of a user.
fixed:ldap:reader	ldap:readldap.status:read	Read the LDAP configuration and LDAP status information.
fixed:ldap:permissions	fixed:ldap:reader and ldap.user:syncldap.config:reload	Read and update the LDAP configuration, and read LDAP status information.
fixed:server:stats:reader	server:stats:read	Read Grafana instance statistics.
fixed:settings:reader	settings:read	Read Grafana instance settings.
fixed:settings:permissions	fixed:settings:reader andsettings:write	Read and update Grafana instance settings.
fixed:datasources:explorer		Enable the Explore feature. Data source permissions still apply, you can only query data sources for which you have query permissions.
fixed:datasources:reader	datasources:query	Read and query data sources.
fixed:datasources:writer	fixed:datasources:reader and datasources:createdatasources:write	Read, query, create, delete, or update a data source.
fixed:datasources:id:reader	datasources:delete	Read the ID of a data source based on its name.
fixed:datasources.permissions:reader		Read data source permissions.
fixed:datasources.permissions:writer	fixed:datasources.permissions:reader and datasources.permissions:write	Create, read, or delete permissions on a data source.
fixed:licensing:reader	licensing:reports:read	Read licensing information and licensing reports.
fixed:licensing:writer	fixed:licensing:viewer and licensing:updatelicensing:delete	Read licensing information and licensing reports, update and delete the license token.
fixed:provisioning:writer	provisioning:write	Reload provisioning.
fixed:organizations:quotas:reader	organizations:quotas:read	Read an organization and its quotas.
fixed:organizations:writer	fixed:organization:reader and orgs:writeorgs.preferences:readorgs.preferences:write	Read an organization, its quotas, or its preferences. Update organization properties, or its preferences.

Fixed roles	Permissions	Descriptions
fixed:organizations:manager	organizations:read organizations:create organizations:delete organizations:write	Create, read, write, or delete an organization. Read or write its quotas. This role needs to be assigned globally.
fixed:teams::creator	org.users:read	Create a team and list organization users (required to manage the created team).
fixed:teams::creator	teams:create teams:delete teams:read teams:permissions:read	Create, update, delete, and read teams and manage team memberships.
fixed:dashboards::creator	folders:read	Create dashboards.
fixed:dashboards::reader		Read all dashboards.
fixed:dashboards::writer	dashboards:read dashboards:write dashboards:delete dashboards:permissions:read	Read, create, update, and delete all dashboards.
fixed:dashboards::permissions:reader	dashboards.permissions:read	Read all dashboard permissions.
fixed:dashboards::permissions:writer	dashboards.permissions:read dashboards.permissions:write	Read and update all dashboard permissions.
fixed:folders::creator		Create folders.
fixed:folders::reader	dashboards:read	Read all folders and dashboards.
fixed:folders::writer	dashboards:read dashboards:write dashboards:delete dashboards:permissions:read	Read, create, update, and delete all folders and dashboards.
fixed:folders::permissions:reader	folders.permissions:read	Read all folder permissions.
fixed:folders::permissions:writer	folders.permissions:read folders.permissions:write	Read and update all folder permissions.
fixed:annotations::reader		Read all annotations and annotation tags.
fixed:annotations::dashboard:writer	annotations.create annotations.delete for scope annotations.type:dashboard	Create, update and delete dashboard annotations and annotation tags.
fixed:annotations::writer	annotations.create annotations.delete for scope annotations.type:*	Create, update and delete all annotations and annotation tags.

## Default built-in role assignments

Built-in	Associated role	Description
Grafana Admin	<code>fixed:roles:reader</code> <code>fixed:roles:writer</code> <code>fixed:users:creator</code> <code>fixed:org.users:writer</code>	Default Grafana server administrator[({{< relref “../administration/manage-users-and-permissions/about-users-and-permissions.md#grafana-server-administrators” >}}) assignments.
Admin	<code>fixed:reports:reader</code> <code>fixed:reports:writer</code> <code>fixed:datasources:writer</code>	Default Grafana organization administrator[({{< relref “../administration/manage-users-and-permissions/about-users-and-permissions.md#organization-users-and-permissions” >}}) assignments.
Editor	<code>fixed:datasources:explorer</code> <code>fixed:dashboards:creator</code> <code>fixed:folders:creator</code> <code>fixed:annotations:creator</code>	Default Grafana [Editor]({{< relref “../administration/manage-users-and-permissions/about-users-and-permissions.md#organization-users-and-permissions” >}}) assignments.
	if the <code>editors_can_admin</code> configuration flag is enabled	

Built-in	
role	Associated role
role	Description
Viewer	<code>fixed:datasources:id:readerfixed:organization:Defaultfixed:annotations:readerfixed:annotation:Default</code> [Viewer]({{< relref “../administration/manage- users-and- permissions/about- users-and- permissions.md#organization- users-and- permissions” >}}) assignments.