

+++ 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:read</code> <code>roles:list</code> <code>teams.roles:list</code> <code>users.roles:list</code> <code>users.permissions:list</code> <code>roles.builtin:list</code>	Read all access control roles, roles and permissions assigned to users, teams and built-in role assignments.
<code>fixed:roles:writer</code>	All permissions from <code>fixed:roles:reader</code> and <code>roles:write</code> <code>roles:delete</code> <code>teams.roles:add</code> <code>teams.roles:remove</code> <code>users.roles:add</code> <code>users.roles:remove</code> <code>roles.builtin:add</code> <code>roles.builtin:remove</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:read</code> <code>reports:send</code> <code>reports.settings:read</code>	Read all reports and shared report settings.
<code>fixed:reports:writer</code>	All permissions from <code>fixed:reports:reader</code> and <code>reports.admin:write</code> <code>reports:delete</code> <code>reports.settings:write</code>	Create, read, update, or delete all reports and shared report settings.
<code>fixed:users:reader</code>	<code>users:read</code> <code>users.quotas:list</code> <code>users.authtoken:list</code> <code>users.teams:read</code>	Read all users and their information, such as team memberships, authentication tokens, and quotas.
<code>fixed:users:writer</code>	All permissions from <code>fixed:users:reader</code> and <code>users:write</code> <code>users:create</code> <code>users:delete</code>	Read and update all attributes and settings for all users in Grafana: update user information, read user

	users:enable users:disable users.password:update users.permissions:update users.logout users.authtoken:update users.quotas:update	information, 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.
fixed:org.users:reader	org.users:read	Read users within a single organization.
fixed:org.users:writer	All permissions from fixed:org.users:reader and org.users:add org.users:remove org.users.role:update	Within a single organization, add a user, invite a user, read information about a user and their role, remove a user from that organization, or change the role of a user.
fixed:ldap:reader	ldap.user:read ldap.status:read	Read the LDAP configuration and LDAP status information.
fixed:ldap:writer	All permissions from fixed:ldap:reader and ldap.user:sync ldap.config:reload	Read and update the LDAP configuration, and read LDAP status information.
fixed:stats:reader	server.stats:read	Read Grafana instance statistics.
fixed:settings:reader	settings:read	Read Grafana instance settings.
fixed:settings:writer	All permissions from fixed:settings:reader and settings:write	Read and update Grafana instance settings.
fixed:datasources:explorer	datasources:explore	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:read datasources:query	Read and query data sources.
fixed:datasources:writer	All permissions from	Read, query, create,

	fixed:datasources:reader and datasources:create datasources:write datasources:delete	delete, or update a data source.
fixed:datasources:id:reader	datasources.id:read	Read the ID of a data source based on its name.
fixed:datasources.permissions:reader	datasources.permissions:read	Read data source permissions.
fixed:datasources.permissions:writer	All permissions from fixed:datasources.permissions:reader and datasources.permissions:write	Create, read, or delete permissions of a data source.
fixed:licensing:reader	licensing:read licensing.reports:read	Read licensing information and licensing reports.
fixed:licensing:writer	All permissions from fixed:licensing:viewer and licensing:update licensing:delete	Read licensing information and licensing reports, update and delete the license token.
fixed:provisioning:writer	provisioning:reload	Reload provisioning.
fixed:organization:reader	orgs:read orgs.quotas:read	Read an organization and its quotas.
fixed:organization:writer	All permissions from fixed:organization:reader and orgs:write orgs.preferences:read orgs.preferences:write	Read an organization, its quotas, or its preferences. Update organization properties, or its preferences.
fixed:organization:maintainer	All permissions from fixed:organization:reader and orgs:write orgs:create orgs:delete orgs.quotas:write	Create, read, write, or delete an organization. Read or write its quotas. This role needs to be assigned globally.
fixed:teams:creator	teams:create org.users:read	Create a team and list organization users (required to manage the created team).
fixed:teams:writer	teams:create teams:delete teams:read	Create, read, update and delete teams and

	teams:write teams.permissions:read teams.permissions:write	manage team memberships.
fixed:dashboards:creator	dashboards:create folders:read	Create dashboards.
fixed:dashboards:reader	dashboards:read	Read all dashboards.
fixed:dashboards:writer	All permissions from fixed:dashboards:reader and dashboards:write dashboards:edit dashboards:delete dashboards:create dashboards.permissions:read dashboards.permissions:write	Read, create, update, and delete all dashboards.
fixed:dashboards.permissions:reader	dashboards.permissions:read	Read all dashboard permissions.
fixed:dashboards.permissions:writer	All permissions from fixed:dashboards.permissions:reader and dashboards.permissions:write	Read and update all dashboard permissions.
fixed:folders:creator	folders:create	Create folders.
fixed:folders:reader	folders:read dashboards:read	Read all folders and dashboards.
fixed:folders:writer	All permissions from fixed:dashboards:writer and folders:read folders:write folders:create folders:delete folders.permissions:read folders.permissions:write	Read, create, update, and delete all folders and dashboards.
fixed:folders.permissions:reader	folders.permissions:read	Read all folder permissions.
fixed:folders.permissions:writer	All permissions from fixed:folders.permissions:reader and folders.permissions:write	Read and update all folder permissions.
fixed:annotations:reader	annotations:read	Read all annotations and annotation tags.
fixed:annotations.dashboard:writer	annotations:write annotations.create annotations.delete for scope annotations.type:dashboard	Create, update and delete dashboard annotations and annotation tags.

fixed:annotations:writer	annotations:write annotations.create annotations:delete for scope annotations:type:*	Create, update and delete all annotations and annotation tags.
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Default built-in role assignments

Built-in role	Associated role	Description
Grafana Admin	fixed:roles:reader fixed:roles:writer fixed:users:reader fixed:users:writer fixed:org.users:reader fixed:org.users:writer fixed:ldap:reader fixed:ldap:writer fixed:stats:reader fixed:settings:reader fixed:settings:writer fixed:provisioning:writer fixed:organization:reader fixed:organization:maintainer fixed:licensing:reader fixed:licensing:writer	Default [Grafana server administrator]{{{< relref "../administration/manage-users-and-permissions/about-users-and-permissions.md#grafana-server-administrators" >}}} assignments.
Admin	fixed:reports:reader fixed:reports:writer fixed:datasources:reader fixed:datasources:writer fixed:organization:writer fixed:datasources.permissions:reader fixed:datasources.permissions:writer fixed:teams:writer fixed:dashboards:reader fixed:dashboards:writer fixed:dashboards.permissions:reader fixed:dashboards.permissions:writer fixed:folders:reader fixed:folders:writer fixed:folders.permissions:reader fixed:folders.permissions:writer	Default [Grafana organization administrator]{{{< relref "../administration/manage-users-and-permissions/about-users-and-permissions.md#organization-users-and-permissions" >}}} assignments.
Editor	fixed:datasources:explorer fixed:dashboards:creator fixed:folders:creator fixed:annotations:writer fixed:teams:creator if the	Default [Editor]{{{< relref "../administration/manage-users-and-permissions/about-users-and-permissions.md#organization-users-and-permissions" >}}} assignments.

	editors_can_admin configuration flag is enabled	
Viewer	<code>fixed:datasources:id:reader</code> <code>fixed:organization:reader</code> <code>fixed:annotations:reader</code> <code>fixed:annotations.dashboard:writer</code>	Default [Viewer]{{{< relref "../administration/manage-users-and-permissions/about-users-and-permissions.md#organization-users-and-permissions">}}) assignments.