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title = "plugin.json" keywords = ["grafana", "plugins", "documentation"] aliases = ["/docs/grafana/latest/plugins/developing/plugin.json/"] +++

plugin.json

The plugin.json file is required for all plugins. When Grafana starts, it scans the plugin folders and mounts every folder that contains a plugin.json file unless the folder contains a subfolder named dist. In that case, Grafana mounts the dist folder instead.

Properties

Property	Type	Required	Description
dependencies	object	**Yes**	Dependencies needed by the plugin.
id	string	**Yes**	Unique name of the plugin. If the plugin is published on grafana.com, then the plugin id has to follow the naming conventions.
info	object	**Yes**	Metadata for the plugin. Some fields are used on the plugins page in Grafana and others on grafana.com if the plugin is published.
name	string	**Yes**	Human-readable name of the plugin that is shown to the user in the UI.
type	string	**Yes**	Plugin type. Possible values are: `app`, `datasource`, `panel`.
$schema	string	No	Schema definition for the plugin.json file.
alerting	boolean	No	For data source plugins, if the plugin supports alerting.
annotations	boolean	No	For data source plugins, if the plugin supports annotation queries.
autoEnabled	boolean	No	Set to true for app plugins that should be enabled by

			default in all orgs
`backend`	boolean	No	If the plugin has a backend component.
`category`	string	No	Plugin category used on the Add data source page. Possible values are: `tsdb`, `logging`, `cloud`, `tracing`, `sql`, `enterprise`, `other`.
`enterpriseFeatures`	[object](#)	No	Grafana Enerprise specific features.
`executable`	string	No	The first part of the file name of the backend component executable. There can be multiple executables built for different operating system and architecture. Grafana will check for executables named `<executable>_<$GOOS>_<lower case $GOARCH><.exe for Windows>`, e.g. `plugin_linux_amd64`. Combination of $GOOS and $GOARCH can be found here: https://golang.org/doc/install/source#environment.
`hiddenQueries`	boolean	No	For data source plugins, include hidden queries in the data request.
`includes`	[object](#)[]	No	Resources to include in plugin.
`logs`	boolean	No	For data source plugins, if the plugin supports logs.
`metrics`	boolean	No	For data source plugins, if the plugin supports metric queries. Used in Explore.
`preload`	boolean	No	Initialize plugin on startup. By default, the plugin initializes on first use.
`queryOptions`	[object](#)	No	For data source plugins. There is a query options section in the plugin's query editor and these options can be turned on if needed.
`routes`	[object](#)[]	No	For data source plugins. Proxy routes used for plugin authentication and adding headers to HTTP requests made by the plugin. For more information, refer to [Authentication for data source plugins](#).
`skipDataQuery`	boolean	No	For panel plugins. Hides the query editor.
`state`	string	No	Marks a plugin as a pre-release. Possible values are: `alpha`, `beta`.
`streaming`	boolean	No	For data source plugins, if the plugin supports streaming.
`tables`	boolean	No	This is an undocumented feature.
`tracing`	boolean	No	For data source plugins, if the plugin supports tracing.

dependencies

Dependencies needed by the plugin.

Properties

Property	Type	Required	Description
grafanaDependency	string	**Yes**	Required Grafana version for this plugin. Validated using https://github.com/npm/node-semver.
grafanaVersion	string	No	(Deprecated) Required Grafana version for this plugin, e.g. `6.x.x 7.x.x` to denote plugin requires Grafana v6.x.x or v7.x.x.
plugins	object[]	No	An array of required plugins on which this plugin depends.

plugins

Plugin dependency. Used to display information about plugin dependencies in the Grafana UI.

Properties

Property	Type	Required	Description
id	string	**Yes**	
name	string	**Yes**	
type	string	**Yes**	Possible values are: `app`, `datasource`, `panel`.
version	string	**Yes**	

enterpriseFeatures

Grafana Enerprise specific features.

Properties

Property	Type	Required	Description
healthDiagnosticsErrors	boolean	No	Enable/Disable health diagnostics errors. Requires Grafana >=7.5.5.

includes

Properties

Property	Type	Required	Description
addToNav	boolean	No	Add the include to the side menu.
component	string	No	(Legacy) The Angular component to use for a page.
defaultNav	boolean	No	Page or dashboard when user clicks the icon in the side menu.
icon	string	No	Icon to use in the side menu. For information on available icon, refer to Icons Overview.
name	string	No	
path	string	No	Used for app plugins.

role	string	No	Possible values are: `Admin`, `Editor`, `Viewer`.
type	string	No	Possible values are: `dashboard`, `page`, `panel`, `datasource`.
uid	string	No	Unique identifier of the included resource

info

Metadata for the plugin. Some fields are used on the plugins page in Grafana and others on grafana.com if the plugin is published.

Properties

Property	Type	Required	Description
keywords	string[]	**Yes**	Array of plugin keywords. Used for search on grafana.com.
logos	[object](#)	**Yes**	SVG images that are used as plugin icons.
updated	string	**Yes**	Date when this plugin was built.
version	string	**Yes**	Project version of this commit, e.g. `6.7.x`.
author	[object](#)	No	Information about the plugin author.
build	[object](#)	No	Build information
description	string	No	Description of plugin. Used on the plugins page in Grafana and for search on grafana.com.
links	[object](#)[]	No	An array of link objects to be displayed on this plugin's project page in the form `{name: 'foo', url: 'http://example.com'}`
screenshots	[object](#)[]	No	An array of screenshot objects in the form `{name: 'bar', path: 'img/screenshot.png'}`

author

Information about the plugin author.

Properties

Property	Type	Required	Description
email	string	No	Author's name.
name	string	No	Author's name.
url	string	No	Link to author's website.

build

Build information

Properties

Property	Type	Required	Description

`branch`	string	No	Git branch the plugin was built from.
`hash`	string	No	Git hash of the commit the plugin was built from
`number`	number	No	
`pr`	number	No	GitHub pull request the plugin was built from
`repo`	string	No	
`time`	number	No	Time when the plugin was built, as a Unix timestamp.

links

Properties

Property	Type	Required	Description
`name`	string	No	
`url`	string	No	

logos

SVG images that are used as plugin icons.

Properties

Property	Type	Required	Description
`large`	string	**Yes**	Link to the "large" version of the plugin logo, which must be an SVG image. "Large" and "small" logos can be the same image.
`small`	string	**Yes**	Link to the "small" version of the plugin logo, which must be an SVG image. "Large" and "small" logos can be the same image.

screenshots

Properties

Property	Type	Required	Description
`name`	string	No	
`path`	string	No	

queryOptions

For data source plugins. There is a query options section in the plugin's query editor and these options can be turned on if needed.

Properties

Property	Type	Required	Description
`cacheTimeout`	boolean	No	For data source plugins. If the `cache timeout` option should be

			shown in the query options section in the query editor.
maxDataPoints	boolean	No	For data source plugins. If the `max data points` option should be shown in the query options section in the query editor.
minInterval	boolean	No	For data source plugins. If the `min interval` option should be shown in the query options section in the query editor.

routes

For data source plugins. Proxy routes used for plugin authentication and adding headers to HTTP requests made by the plugin. For more information, refer to [Authentication for data source plugins](#).

Properties

Property	Type	Required	Description
body	[object](#)	No	For data source plugins. Route headers set the body content and length to the proxied request.
headers	array	No	For data source plugins. Route headers adds HTTP headers to the proxied request.
jwtTokenAuth	[object](#)	No	For data source plugins. Token authentication section used with an JWT OAuth API.
method	string	No	For data source plugins. Route method matches the HTTP verb like GET or POST. Multiple methods can be provided as a comma-separated list.
path	string	No	For data source plugins. The route path that is replaced by the route URL field when proxying the call.
reqRole	string	No	
reqSignedIn	boolean	No	
tokenAuth	[object](#)	No	For data source plugins. Token authentication section used with an OAuth API.
url	string	No	For data source plugins. Route URL is where the request is proxied to.

body

For data source plugins. Route headers set the body content and length to the proxied request.

Property	Type	Required	Description

jwtTokenAuth

For data source plugins. Token authentication section used with an JWT OAuth API.

Properties

Property	Type	Required	Description
params	[object](#)	No	Parameters for the JWT token authentication request.
scopes	string[]	No	The list of scopes that your application should be granted access to.
url	string	No	URL to fetch the JWT token.

params

Parameters for the JWT token authentication request.

Properties

Property	Type	Required	Description
client_email	string	No	
private_key	string	No	
token_uri	string	No	

tokenAuth

For data source plugins. Token authentication section used with an OAuth API.

Properties

Property	Type	Required	Description
params	[object](#)	No	Parameters for the token authentication request.
scopes	string[]	No	The list of scopes that your application should be granted access to.
url	string	No	URL to fetch the authentication token.

params

Parameters for the token authentication request.

Properties

Property	Type	Required	Description
client_id	string	No	OAuth client ID
client_secret	string	No	OAuth client secret. Usually populated by decrypting the secret from the SecureJson blob.
grant_type	string	No	OAuth grant type
resource	string	No	OAuth resource