

+++ title = "Release notes for Grafana 8.4.0" hide\_menu = true +++

# Release notes for Grafana 8.4.0

## Features and enhancements

- **API:** Extract OpenAPI specification from source code using go-swagger. [#40528](#), [@papagian](#)
- **AccessControl:** Disable user remove and user update roles when they do not have the permissions. [#43429](#), [@Jguer](#)
- **AccessControl:** Provisioning for teams. [#43767](#), [@gamab](#)
- **API:** Add usage stats preview endpoint. [#43899](#), [@Jguer](#)
- **Alerting:** Move slow queries in the scheduler to another goroutine. [#44423](#), [@grobinson-grafana](#)
- **Alerting:** Use time.Ticker instead of alerting.Ticker in ngalert. [#44395](#), [@grobinson-grafana](#)
- **Alerting:** add custom grouping to Alert Panel. [#44559](#), [@gillesdemey](#)
- **Analytics:** Add user id tracking to google analytics. [#42763](#), [@autoric](#)
- **Angular:** Add AngularJS plugin support deprecation plan to docs site. [#45149](#), [@torkelo](#)
- **Auth:** implement auto\_sign\_up for auth.jwt. [#43502](#), [@sakjur](#)
- **Azure Monitor Logs:** Order subscriptions in resource picker by name. [#45228](#), [@sunker](#)
- **Azure monitor Logs:** Optimize data fetching in resource picker. [#44549](#), [@sunker](#)
- **AzureMonitor:** Filter list of resources by resourceType. [#43522](#), [@andresmgot](#)
- **BarChart:** color by field, x time field, bar radius, label skipping. [#43257](#), [@leeoniya](#)
- **Chore:** Implement OpenTelemetry in Grafana. [#42674](#), [@idafurjes](#)
- **Cloud Monitoring:** Adds metric type to Metric drop down options. [#43268](#), [@tw1nk](#)
- **CloudWatch:** Add Data Lifecycle Manager metrics and dimension. [#43310](#), [@ilyastoli](#)
- **CloudWatch:** Add Missing Elasticache Host-level metrics. [#43455](#), [@dhendo](#)
- **CloudWatch:** Add all ElastiCache Redis Metrics. [#43336](#), [@siavashs](#)
- **CloudWatch:** Add new AWS/ES metrics. [#43034](#), [@sunker](#)
- **Cloudwatch:** Add syntax highlighting and autocomplete for "Metric Search". [#43985](#), [@sarahzinger](#)
- **Explore:** Support custom display label for exemplar links for Prometheus datasource. [#42732](#), [@JokerQueue](#)
- **Hotkeys:** Make time range absolute/permanent. [#43802](#), [@davkal](#)
- **Playlists:** Enable sharing direct links to playlists. [#44161](#), [@ashharrison90](#)
- **SQLStore:** Prevent concurrent migrations. [#44101](#), [@papagian](#)
- **SSE:** Add Mode to drop NaN/Inf/Null in Reduction operations. [#43583](#), [@kylebrandt](#)
- **Setting:** Support configuring feature toggles with bools instead of just passing an array. [#43326](#), [@bergquist](#)
- **TimeSeries:** Add support for negative Y and constant transform. [#44774](#), [@dprokop](#)
- **Transformations:** Add 'JSON' field type to ConvertFieldTypeTransformer. [#42624](#), [@sd2k](#)

## Bug fixes

- **Auth:** Guarantee consistency of signed SigV4 headers. [#45054](#), [@wbrowne](#)
- **CloudWatch:** Fix MetricName resetting on Namespace change. [#44165](#), [@yaelleC](#)
- **Cloudwatch :** Fixed resetting metric name when changing namespace in Metric Query. [#44612](#), [@yaelleC](#)
- **Explore:** Avoid locking timepicker when range is inverted. [#44790](#), [@Elfo404](#)
- **Instrumentation:** Fix HTTP request instrumentation of authentication failures. [#44234](#), [@marefr](#)
- **LibraryPanels:** Prevent long descriptions and names from obscuring the delete button. [#45190](#), [@zuchka](#)
- **OAuth:** Fix parsing of ID token if header contains non-string value. [#44159](#), [@marefr](#)
- **Panel Edit:** Visualization search now works correctly with special characters. [#45137](#), [@ashharrison90](#)
- **Provisioning:** Fix duplicate validation when multiple organizations have been configured. [#44151](#), [@marefr](#)
- **QueryField:** Fix issue with undo history when suggestion is inserted (#28656). [#39114](#), [@glintik](#)

- **TablePanel:** Do not prefix columns with frame name if multiple frames and override active. [#45174](#), [@mdvictor](#)

## Deprecations

AngularJS plugin support is now in a deprecated state, meaning it will be removed in a future release. Currently, that is planned for version 10 (in 2023). The documentation site has an [article](#) with more details on why, when, and how. Issue [#45149](#)