

# Quarkus - Logging to Sentry

This guide explains how to configure Quarkus to log to Sentry.

## Description

Sentry is a really easy way to be notified of errors happening in your Quarkus application.

It is a self-hosted and cloud-based error monitoring that helps software teams discover, triage, and prioritize errors in real-time.

They offer a free starter price for cloud-based or you can self host it for free.



Sentry's Java SDK is open source, but recently [sentry.io changed the license](#) for their backend to the non-open source [BSL license](#). This might or might not be an issue for your project and product.

## Configuration

To start with, you need to get a Sentry DSN either by [creating a Sentry account](#) or [installing your own self-hosted Sentry](#).

In order to configure Sentry logging, add the **logging-sentry** extension to your project by running the following command in your project base directory:

```
./mvnw quarkus:add-extension -Dextensions="logging-sentry"
```

This will add the following to your **pom.xml**:

```
<dependency>
  <groupId>io.quarkus</groupId>
  <artifactId>quarkus-logging-sentry</artifactId>
</dependency>
```

## “In Application” Stack Frames

Sentry differentiates stack frames that are directly related to your application (“in application”) from stack frames that come from other packages such as the standard library, frameworks, or other dependencies. The difference is visible in the Sentry web interface where only the “in application” frames are displayed by default.

You can configure which package prefixes your application uses with the **in-app-packages** option, which takes a comma separated list of packages:

```
quarkus.log.sentry.in-app-packages=com.mycompany,com.other.name
```

If you don't want to use this feature but want to disable the warning, simply set it to `*`:

```
quarkus.log.sentry.in-app-packages=*
```

## Example

All errors and warnings occurring in any of the packages will be sent to Sentry with DSN

<https://abcd@sentry.io/1234>

```
quarkus.log.sentry=true
quarkus.log.sentry.dsn=https://abcd@sentry.io/1234
quarkus.log.sentry.in-app-packages=*
```


All errors occurring in the package `org.example` will be sent to Sentry with DSN

<https://abcd@sentry.io/1234>

```
quarkus.log.sentry=true
quarkus.log.sentry.dsn=https://abcd@sentry.io/1234
quarkus.log.sentry.level=ERROR
quarkus.log.sentry.in-app-packages=org.example
```

## Configuration Reference

This extension is configured through the standard `application.properties` file.

 Configuration property fixed at build time - All other configuration properties are overridable at runtime

| Configuration property   | Type    | Default            |
|--|---------|--------------------|
| <code>quarkus.log.sentry</code><br>Determine whether to enable the Sentry logging extension.   | boolean | <code>false</code> |
| <code>quarkus.log.sentry.dsn</code><br>Sentry DSN The DSN is the first and most important thing to configure because it tells the SDK where to send events. You can find your project's DSN in the "Client Keys" section of your "Project Settings" in Sentry. | string  |                    |

|   |                |      |
|---|----------------|------|
| <code>quarkus.log.sentry.level</code><br><br>The sentry log level.  | Level          | WARN |
| <code>quarkus.log.sentry.in-app-packages</code><br><br>Sentry differentiates stack frames that are directly related to your application (“in application”) from stack frames that come from other packages such as the standard library, frameworks, or other dependencies. The difference is visible in the Sentry web interface where only the “in application” frames are displayed by default. You can configure which package prefixes your application uses with this option. This option is highly recommended as it affects stacktrace grouping and display on Sentry. See documentation: <a href="https://quarkus.io/guides/logging-sentry#in-app-packages">https://quarkus.io/guides/logging-sentry#in-app-packages</a> | list of string |      |
| <code>quarkus.log.sentry.environment</code><br><br>Environment With Sentry you can easily filter issues, releases, and user feedback by environment. The environment filter on sentry affects all issue-related metrics like count of users affected, times series graphs, and event count. By setting the environment option, an environment tag will be added to each new issue sent to Sentry. There are a few restrictions: → the environment name cannot contain newlines or spaces, cannot be the string “None” or exceed 64 characters.  | string         |      |
| <code>quarkus.log.sentry.release</code><br><br>Release A release is a version of your code that is deployed to an environment. When you give Sentry information about your releases, you unlock a number of new features: - Determine the issues and regressions introduced in a new release - Predict which commit caused an issue and who is likely responsible - Resolve issues by including the issue number in your commit message - Receive email notifications when your code gets deployed  | string         |      |