

Finally! Monitoring Moodle with `tool_monitoring`



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Why monitoring with `tool_monitoring`?

Know what is happening on your Moodle site:

- See what your **users** are doing
- Know about **errors** before your users do
- Identify bottlenecks and improve **performance**



💪 **`tool_monitoring`** provides a generic API for arbitrary monitoring tools, where they can define and collect metrics about the Moodle instance.

What can we monitor with **tool_monitoring**?

✅ Already provides a set of sensible metrics.

👉 *Other plugins can also provide their own metrics!*

Examples:

- Number of registered/active/mobile **users, courses**
- Number of adhoc/scheduled/failed **tasks**
- Number of files/draft **files**
- Number of active **quiz attempts**
- Number of **assignments** which have not been submitted
- AI usage ...

Components of `tool_monitoring`

Hook API

The plugins defines a **hook** which collects the available metrics (pre-defined & from other plugins).

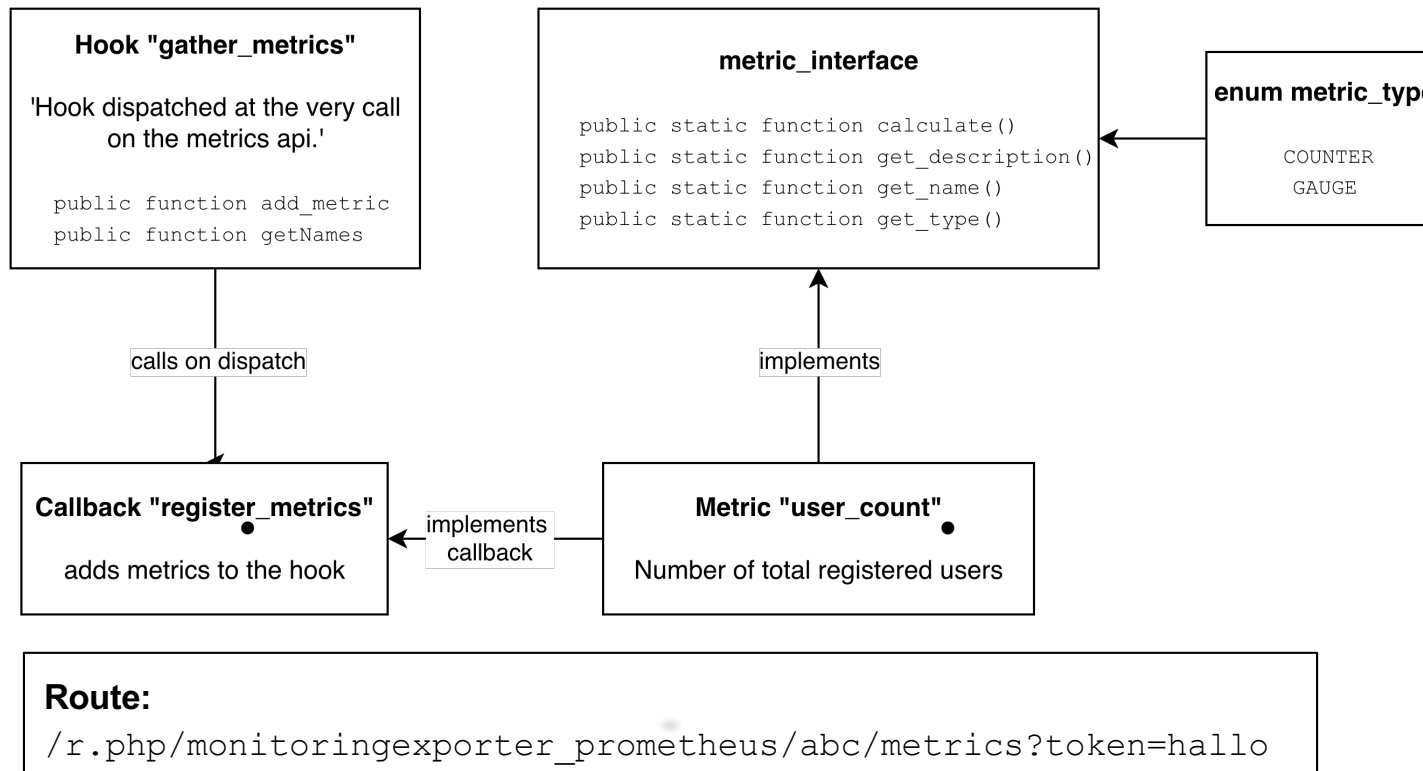
Interface

The plugin defines a common interface for all metrics with the functions `name`, `description`, `type`, `calculate`.

Endpoint for Prometheus (*others via subplugins*)

The endpoint is created with the new routing API and secured by a token.

Components of tool_monitoring



Try it yourself!

Moodle Demo:

<https://tinyurl.com/monidemo>



Grafana Demo:

<https://tinyurl.com/grafdemo>



Links

Github

https://github.com/daniil-berg/moodle-tool_monitoring

Moodle Demo

<https://moot.inca.tu-berlin.de/auth/anonymous/login.php?course=2>

Grafana Demo

<https://moot.inca.tu-berlin.de/grafana/public-dashboards/f48d7d4a6d06417cbeb5dc7f252a09c9>