



# Task API

- Plugins can run scheduled tasks. Before Moodle 2.7 there were different ways to hook into the Moodle scheduled tasks (cron).
- Site administrators have more control over when the tasks run and can even run the scheduled tasks outside the set schedule.
- It is also possible to develop ad-hoc tasks.





# Task API (cont)

- Scheduled tasks are created by extending `\core\task\scheduled_task` and need to reside in your plugin's **classes/task/** directory.
- For autoloading the class must be the plugin's namespace.
- Only two functions are required for the scheduled task class:
  - `get_name()` - function to return the human-readable task name that is displayed in the tasks list
  - `execute()` - function that executes the task. The return value is irrelevant and is ignored. If you need to raise an error, the plugin must raise an exception.
- An additional **db/tasks.php** where the fully namespaced class name and the default schedule are defined is also required.
- Moodle 'Task API' page - [https://docs.moodle.org/dev/Task\\_API](https://docs.moodle.org/dev/Task_API).

