std::packaged_task

In this lesson, we will introduce std::packaged_task, which is used to parallelize big computer jobs.

std::packaged_task pack is a wrapper for a callable, in order for it to be
invoked asynchronously. By calling pack.get_future(), we get the associated
future. Invoking the call operator on a pack (pack()) executes the
std::packaged_task and, therefore, executes the callable.

Dealing with std::packaged_task usually consists of four steps:

I. Wrap the work:

```
std::packaged_task<int(int, int)> sumTask([](int a, int b){ return a + b; });

II. Create a future:

std::future<int> sumResult= sumTask.get_future();

III. Perform the calculation:
```

IV. Query the result:

sumTask(2000, 11);



In the next lesson, we will take a look at an example that goes through these four steps.