Lesson 11: Portable Hello World
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Prerequisites

• Followed yesterday’s lecture
• alpaka is installed on your system
• Boost is installed on your system
• CMake >= 3.15 is installed on your system
• You know how to point CMake to your alpaka installation
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Accessing the Hello World example

- Clone the repository containing the examples:
  
git clone https://github.com/alpaka-group/alpaka-workshop-examples.git
- Switch to the downloaded folder:
  
cd alpaka-workshop-examples
- Copy the helloWorld example to a location of your choosing:
  
cp -r helloWorld /some/location
- This will be our basis for today’s work!
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Switching to the new code base

- Switch to the newly copied directory:
  ```
  cd /some/location/helloWorld
  ```

- Create a `build` directory:
  ```
  mkdir build
  ```

- Switch to the `build` directory:
  ```
  cd build
  ```
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Configuring and building the example

- Configure the example:
  - Standard location: cmake -DCMAKE_BUILD_TYPE=Release ..
  - Non-standard location (CMake): cmake -DCMAKE_BUILD_TYPE=Release -Dalpaka_ROOT=/path/to/alpaka ..
  - Non-standard location (Linux / macOS): export CMAKE_PREFIX_PATH=/path/to, then run the standard command
  - Non-standard location (Windows): set CMAKE_PREFIX_PATH=/path/to, then run standard command

- Build the example (note the dot):
  cmake --build . --config Release
