

Clock

Here, we briefly discuss the different types of clocks in C++.

The clock consists of a starting point and a tick. So you can get the current time with the method `now`.

- `std::chrono::system_clock`:
System time, which you can synchronize with the external clock.
- `std::chrono::steady_clock`:
Clock, which can not be adjusted.
- `std::chrono::high_resolution_clock`:
System time with the greatest accuracy.

`std::chrono::system_clock` will refer typically to the 1.1.1970. You can not adjust `std::steady_clock` forward or backward in opposite to two other clocks. The methods `to_time_t` and `from_time_t` can be used to convert between `std::chrono::system_clock` and `std::time_t` objects.