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<chrono> classes: common\_type (duration) common\_type (time\_point) duration duration\_values high\_resolution\_clock steady\_clock system\_clock time\_point treat\_as\_floating\_point functions: duration cast time\_point\_cast class typedefs: microseconds milliseconds minutes nanoseconds seconds

<valarray>

high\_resolution\_clock

static member functions:
high\_resolution\_clock::now

public static member function
std::chrono::high\_resolution\_clock::now

static time\_point now() noexcept;

Get current time

Returns the current time\_point in the frame of the high\_resolution\_clock.

## **Parameters**

none

### Return value

The time\_point representing the current time.

time\_point is a member type, defined as an alias of time\_point<high\_resolution\_clock>.

### **Example**

```
1 // high_resolution_clock example
 2 #include <iostream>
 3 #include <ctime>
 4 #include <ratio>
 5 #include <chrono>
 7 int main ()
 8 {
     using namespace std::chrono;
10
11
     high_resolution_clock::time_point t1 = high_resolution_clock::now();
12
     std::cout << "printing out 1000 stars...\n";</pre>
13
     for (int i=0; i<1000; ++i) std::cout << "*";
14
15
     std::cout << std::endl;</pre>
16
17
     high_resolution_clock::time_point t2 = high_resolution_clock::now();
18
19
     duration<double> time_span = duration_cast<duration<double>>(t2 - t1);
20
21
     std::cout << "It took me " << time_span.count() << " seconds.";</pre>
22
     std::cout << std::endl;</pre>
23
24
     return 0;
25 }
```

# Possible output:

#### See also

**system\_clock::now** Get current time (public static member function )

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<chrono>