

## Wt - Bug #7719

### Convert a cpp17::any with unsigned long to a string always throws.

09/17/2020 11:51 AM - Andreas Frolov

<b>Status:</b> Closed	<b>Start date:</b> 09/17/2020
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b> The following code always throws:  Wt::cpp17::any value = 4ul; auto s = Wt::asString(value);  because you try to cast value to the type long instead of unsigned long what leads to an exception.	

### History

#### #1 - 09/25/2020 01:47 PM - Roel Standaert

What platform is this on? It's working fine on Linux 64 bit, but maybe the issue is specific to 32 bit, I'll have to check that.

#### #2 - 09/25/2020 03:10 PM - Andreas Frolov

I tested on Windows 32 bit, but I wonder that it works somewhere.

This is your code:

```
@ } else if (v.type() typeid(unsigned long)) {
if (sizeof(long) == 4) {

if (format.empty())

return WLocale::currentLocale().toString

((unsigned)cpp17::any_cast(v));

else {

char buf[100];

snprintf(buf, 100, format.toUTF8().c_str(),

(unsigned)cpp17::any_cast(v));

return WString::fromUTF8(buf);

}

} else {

if (format.empty())

return WLocale::currentLocale()

.toString((::uint64_t)cpp17::any_cast(v));

else {

char buf[100];

snprintf(buf, 100, format.toUTF8().c_str(),

(::uint64_t)cpp17::any_cast(v));

return WString::fromUTF8(buf);
```

```
}  
}  
}@
```

All cases in this block try to execute any\_cast with wrong type.

**#3 - 09/25/2020 03:13 PM - Roel Standaert**

I just tested on Windows and found the issue myself. I'm fixing it. I think on Linux 64 bit it takes a different code path since there unsigned long is synonymous with uint64\_t.

**#4 - 09/25/2020 03:23 PM - Roel Standaert**

- *Status changed from New to Resolved*

I pushed a fix

**#5 - 10/01/2020 11:19 AM - Andreas Frolov**

You only fixed 2 out of 4 cases. I think an exception is still thrown on OSX (else case).

<https://stackoverflow.com/questions/36814040/osx-vs-linux-how-to-deal-with-unsigned-long-and-uint64-t>

**#6 - 10/01/2020 11:35 AM - Roel Standaert**

I see.

**#7 - 06/25/2021 10:40 AM - Roel Standaert**

- *Description updated*

- *Status changed from Resolved to Closed*