

## C++ User Group - Talk #574

### SFINAE, enable\_if, and Concepts

2014-04-30 12:52 - Kretz, Matthias

<b>Status:</b>	New	<b>Start date:</b>	2014-04-30
<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>Talk Author(s):</b>		<b>Presenter:</b>	
<b>Description</b>			
<p>C++ has an important feature called "Substitution Failure Is Not An Error". Meaning, if implicit template argument substitution leads to an error, the expression is simply ignored and the error never becomes visible to the user. With this it is then possible to have very fine-grained control over overload resolution.</p> <p>It is expected that C++17 will have a much nicer syntax for this task, called concepts. The feature is already available for GCC and will possibly become available as experimental option in most C++ compilers soon.</p>			
<b>Related issues:</b>			
Blocked by Talk #794: Templates and Meta-Programming		<b>Presented</b>	<b>2014-07-22</b> <b>2014-12-17</b>

#### History

#1 - 2014-07-22 10:37 - Kretz, Matthias

- Blocked by Talk #794: Templates and Meta-Programming added