

Reserving Attribute Namespaces for Future Use

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Revisions

[*Note*: The paper was incorrectly numbered R1 in the strawpoll page, when it should have been R2. This paper is otherwise as accepted in Prague. — *end note*]

R1, R2

Update wording

Abstract

The standard does not reserve names for future attributes, such that standardizing attributes might affect users negatively or prevent the committee to use the most appropriate names in an attempt to avoid naming conflicts. This paper proposes to reserve attributes with no namespace as well as the `std` namespace.

Proposed Wording

◆ **Attributes** [dcl.attr]

◆ **Attribute syntax and semantics** [dcl.attr.grammar]

For an *attribute-token* (including an *attribute-scoped-token*) not specified in this document, the behavior is implementation-defined. Any *attribute-token* that is not recognized by the implementation is ignored.

An attribute-token is reserved for future standardization if

- it is not an *attribute-scoped-token* and not specified in this document, or
- it is an *attribute-scoped-token* and its *attribute-namespace* is either `std` or `std` followed by one or more digits.

[*Note*: Each implementation should choose a distinctive name for the *attribute-namespace* in an *attribute-scoped-token*. — *end note*]

References

[N4830] Richard Smith *Working Draft, Standard for Programming Language C++*
<https://wg21.link/n4830>