

C++ static code analysis: Digraphs should not be used

1 minute

The use of digraphs may not meet developer expectations.

The digraphs are:

- `<%`
- `%>`
- `<:`
- `:>`
- `%:`
- `%: %:`

Noncompliant Code Example

```
template <typename T>
```

```

class A
{
    public:
        template<int32_t i>
        void f2();
};

void f(A<int32_t> * a<:10:>)    /* Noncompliant -
usage of '<:' instead of '[' and ':>' instead of ']' */
<%                          /* Noncompliant - usage of
'<%' instead of '{' */
    a<:0:>->f2<20>();          /* Noncompliant -
usage of '<:' and ':>' */
%>                          /* Noncompliant - usage of
'%>' instead of '}' */

```

Compliant Solution

```

/* ... */

void f(A<int32_t> * a[10])    /* Compliant */
{
    /* Compliant */
    a[0]->f2<20>();          /* Compliant */
}
/* Compliant */

```

See

- MISRA C++:2008, 2-5-1 - Digraphs should not be used.