

Classes with Compact Type IDs



You can optionally associate a numeric identifier with a class. The Ice run time substitutes this value, known as a *compact type ID*, in place of its equivalent [string type ID](#) during marshaling to conserve space. The compact type ID follows immediately after the class name, enclosed in parentheses:

Slice

```
module M
{
    class CompactExample(4)
    {
        // ...
    }
}
```

In this example, the Ice run time marshals the value 4 instead of its string equivalent "`:M::CompactExample`". The specified value must be a non-negative integer that is unique within the translation unit.



Using values less than 255 produces the most efficient [encoding](#).

See Also

- [Classes](#)
- [Type IDs](#)
- [Data Encoding for Class Type IDs](#)

