

Classes with Compact Type IDs

As of Ice 3.5, 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 MyModule {  
  class CompactExample(4) {  
    // ...  
  };  
};
```

In this example, the Ice run time marshals the value 4 instead of its string equivalent `" : MyModule : 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](#)