

C-Sharp Mapping for Local Classes



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Mapped C# Class

A local Slice class is mapped to a concrete or abstract C# class with the same name. For example:

Slice

```
module Ice
{
    local class ConnectionInfo
    {
        ...
    }
}
```

is mapped to the C# class ConnectionInfo:

C#

```
namespace Ice
{
    public partial class ConnectionInfo
    {
        ...
    }
}
```

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LocalObject in C#

Like local interfaces, local Slice classes implicitly derive from LocalObject, which is mapped to System.Object in C#.

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Mapping for Local Interface Inheritance in C#

A local Slice class can extend another local Slice class, and can implement one or more local Slice interfaces. Both extends and implements are mapped to inheritance in C#. For example:

Slice

```
module M
{
    local interface A {}
    local interface B {}

    local class C implements A, B {}
    local class D extends C {}
}
```

is mapped to:

C#

```
namespace M
{
    public partial interface A {}
    public partial interface B {}

    public partial class C : A, B {}
    public partial class D : C {}
}
```

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