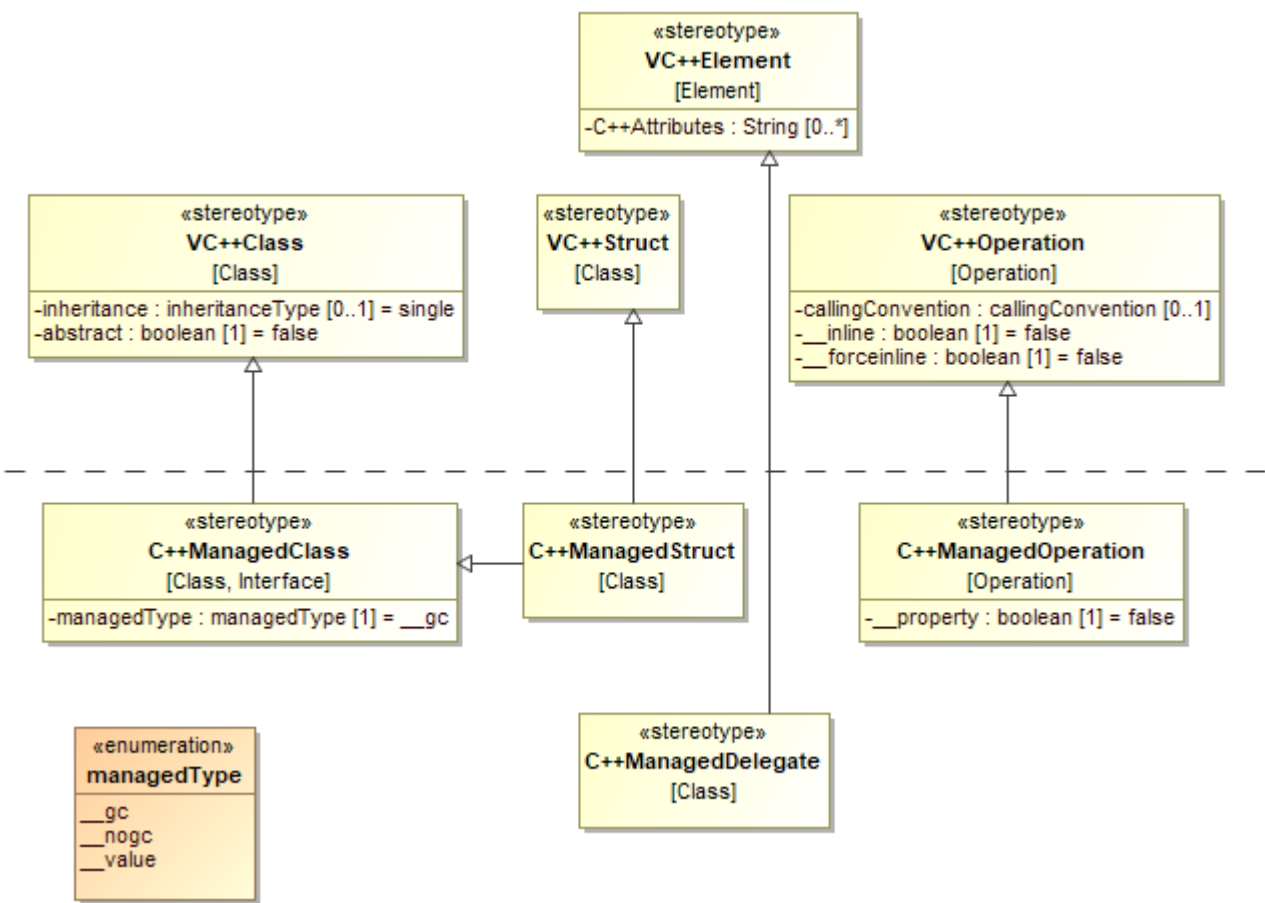# C++ managed profile



C++ managed profile stereotypes

> ℹ **Note**
>
> The profile table and description in this section does not include the tagged value inherited from other profiles.

## Stereotype

C++ManagedClass

| Name | Meta Class | Constraints |
|------|-----------|-------------|
| C++ManagedClass | Class | Represent the class declaration with version 1 of Managed Extension for C++. |
| **Tag** | **Type** | **Description** |
| managedType | managedType[1] = __gc (enumeration) See managedType | |

C++ManagedStruct

| Name | Meta Class | Constraints |
|------|-----------|-------------|
| C++ManagedStruct | Class | Represent the class declaration with version 1 of Managed Extension for C++. |

C++ManagedOperation

| Name | Meta Class | Constraints |
|------|-----------|-------------|
| C++ManagedOperation | Operation | |
| **Tag** | **Type** | **Description** |
| __property | boolean[1] = false | Represent the usage of __**property** keyword. It is a feature in version 1 of Managed Extension for C++. |

C++ManagedDelegate

| Name | Meta Class | Constraints |
|------|-----------|-------------|
| C++Managed Delegate | Class | Represent the delegate declaration with version 1 of Managed Extension for C++. It defines a reference type that can be used to encapsulate a method with a specific signature. |

## Enumeration

managedType

| Literal | Description |
|---------|-------------|
| __gc | Represent managed declaration with __**gc** keyword. |
| __nogc | Represent the usage of __**nogc** keyword, which is used to explicitly specify that an object is allocated on the standard C++ heap. |
| __value | Represent managed declaration with __value keyword. A __**value** type differs from __**gc** types in that __**value** type variables directly contain their data, whereas managed variables point to their data, which is stored on the common language runtime heap. |