

Accessibility Levels

Declared accessibility	Meaning
<code>public</code>	Access is not restricted.
<code>protected</code>	Access is limited to the containing class or types derived from the containing class.
<code>internal</code>	Access is limited to the current assembly.
<code>protected internal</code>	Access is limited to the current assembly or types derived from the containing class.
<code>private</code>	Access is limited to the containing type.
<code>private protected</code>	Access is limited to the containing class or types derived from the containing class within the current assembly.

Access modifiers on namespaces

Access modifiers are not allowed on namespaces. Namespaces have no access restrictions.

Access modifiers on Top-level types

Top-level types, which are not nested in other types, can only have `internal` or `public` accessibility. The default accessibility for these types is `internal`.

Access modifiers on Nested types

Nested types, which are members of other types, can have declared accessibilities as indicated in the following table.

Members of	Default member accessibility	Allowed declared accessibility of the member
<code>enum</code>	<code>public</code>	None
<code>class</code>	<code>private</code>	<code>public</code> <code>protected</code> <code>internal</code> <code>private</code> <code>protected internal</code> <code>private protected</code>
<code>interface</code>	<code>public</code>	None