

# Windows Store Applications

A Windows Store application that uses Ice must request certain capabilities in its manifest in order to access public and private networks. The image below shows the relevant settings in Visual Studio:

Use this page to specify system features or devices that your app can use.

**Capabilities:**

- ☐ Documents Library
- ☐ Enterprise Authentication
- ☒ Internet (Client)
- ☒ Internet (Client & Server)
- ☐ Location
- ☐ Microphone
- ☐ Music Library
- ☐ Pictures Library
- ☒ Private Networks (Client & Server)
- ☐ Proximity
- ☐ Removable Storage
- ☐ Shared User Certificates
- ☐ Videos Library
- ☐ Webcam

**Description:**

Provides outbound access to the Internet and networks in public places like airports and coffee shops. For example, Intranet networks where the user has designated the network as public. Most apps that require Internet access should use this capability.

[More information](#)

Neglecting to enable the proper capabilities can raise `Ice::SocketException` or, if you are debugging the application in Visual Studio at the time of the exception, it will likely break on `Platform::AccessDeniedException`.

If your application uses SSL, you can bundle certificates with the application by including them in the application's declarations:

Use this page to add declarations and specify their properties.

**Available Declarations:**

Select one...

**Supported Declarations:**

Certificates

**Description:**

Enables the package to install digital certificates, such as trusted root certificates, with the app. The certificates are used during secure connections to web services over SSL.

Only one instance of this declaration is allowed per app.

[More information](#)

**Properties:**

**Trust flags**

Specifies the flags that determine certificate validation.

☒ Exclusive trust

**Selection criteria**

Specifies the criteria for certificate selection during client authentication.

☐ Hardware only

☐ Auto select

**Certificates**

Certificate

Store name: Root

Content: cacert.pem



**Example**

The WinRT sample programs in the Ice distribution use capabilities and declarations.