

Ice Proxy Properties

The communicator operation `propertyToProxy` creates a proxy from a group of configuration properties. The argument to `propertyToProxy` is a string representing the base name of the property group (shown as *name* in the property descriptions below). This name must correspond to a property that supplies the stringified form of the proxy. Subordinate properties can be defined to customize the proxy's local configuration.

The communicator operation `proxyToProperty` performs the inverse operation, that is, returns the property group for a proxy.

On this page:

- [name](#)
- [name.CollocationOptimized](#)
- [name.ConnectionCached](#)
- [name.EndpointSelection](#)
- [name.Locator](#)
- [name.LocatorCacheTimeout](#)
- [name.PreferSecure](#)
- [name.Router](#)

name

Synopsis

name=*proxy*

Description

The base property of the group with an application-specific *name* supplying the stringified representation of a proxy. Use the communicator operation `propertyToProxy` to retrieve the property and convert it into a proxy.

name.CollocationOptimized

Synopsis

name.CollocationOptimized=*num*

Description

If *num* is a value greater than zero, the proxy is configured to use [collocated invocations](#) when possible. Defining this property is equivalent to invoking the `ice_collocationOptimized` [proxy method](#).

name.ConnectionCached

Synopsis

name.ConnectionCached=*num*

Description

If *num* is a value greater than zero, the proxy [caches](#) its chosen connection for use in subsequent requests. Defining this property is equivalent to invoking the `ice_connectionCached` [proxy method](#).

name.EndpointSelection

Synopsis

name.EndpointSelection=*type*

Description

Specifies the proxy's [endpoint selection](#) type. Legal values are `Random` and `Ordered`. Defining this property is equivalent to invoking the `ice_endpointSelection` [proxy method](#).

name.Locator

Synopsis

name.Locator=*proxy*

Description

Specifies the proxy of the [locator](#) to be used by this proxy. Defining this property is equivalent to invoking the `ice_locator` [proxy method](#).

This is a proxy property, so you can configure additional local aspects of the proxy with subordinate properties. For example:

```
MyProxy.Locator=...
MyProxy.Locator.EndpointSelection=Ordered
```

name.LocatorCacheTimeout

Synopsis

name.LocatorCacheTimeout=*num*

Description

Specifies the [locator cache](#) timeout to be used by this proxy. Defining this property is equivalent to invoking the `ice_locatorCacheTimeout` [proxy method](#).

name.PreferSecure

Synopsis

name.PreferSecure=*num*

Description

If *num* is a value greater than zero, the proxy gives [precedence](#) to secure endpoints. If not defined, the proxy uses the value of `Ice.Default.PreferSecure`.

Defining this property is equivalent to invoking the `ice_preferSecure` [proxy method](#).

name.Router

Synopsis

name.Router=*proxy*

Description

Specifies the proxy of the [router](#) to be used by this proxy. Defining this property is equivalent to invoking the `ice_router` [proxy method](#).

This is a proxy property, so you can configure additional local aspects of the proxy with subordinate properties. For example:

```
MyProxy.Router=...  
MyProxy.Router.PreferSecure=1
```