

# Adapter Descriptor

Each indirect object adapter registered with IceGrid requires its own Adapter descriptor. If you need to specify a direct adapter, simply create a number of Ice properties in your server.

## Properties

The Adapter Properties panel offers the following fields:

- **Adapter Name**  
The name of the object adapter. This name must be unique within the enclosing Ice communicator, and is only used to lookup adapter properties.
- **Description**  
A free-text description of this object adapter.
- **Adapter ID**  
The ID of the object adapter. This ID must be unique within an IceGrid deployment. Default value: `${server}.adapter-name`.
- **Replica Group**  
The ID of this adapter's [Replica Group](#). By default, an adapter does not belong to any replica group.
- **Priority**  
The adapter priority in its [Replica Group](#). The default priority is 0.
- **Endpoints**  
The configured endpoints for this object adapter. Corresponds to the `adapter-name.Endpoints` property. Default: default, which means listen using the default protocol (tcp by default) on an OS assigned port, on all interfaces.
- **Published Endpoints**  
The configured published endpoints for this object adapter. Corresponds to the `adapter-name.PublishedEndpoints` property. Default: actual endpoints (computed at run time), derived by Ice from the Endpoints field above.
- **Proxy Options**  
The default Proxy Options for well-known objects defined within this object adapter, and the Proxy Options for proxies created by this object adapter. Corresponds to the `adapter-name.ProxyEndpoints` property. Default: empty string.
- **Register Process**  
This setting is ignored for servers running Ice version 3.3 or greater.  
When checked, this adapter will create and register an `Ice::Process` object with IceGrid during activation. Such object is used to cleanly shutdown the server from IceGrid. Each server should register one, and only one such `Ice::Process` object.
- **Server Lifetime**  
When checked, IceGrid expects this adapter to register its endpoints during server startup and unregister them during server shutdown. See also Activation Timeout in [Server Properties](#). Default: true (checked).
- **Well-known Objects**  
A table of well-known objects defined by this adapter. When Property is set, IceGrid generates a property with this name and with Identity as value.
- **Allocatable Objects**  
A table of allocatable objects defined by this adapter. When Property is set, IceGrid generates a property with this name and with Identity as value.