

# IceGrid and Glacier2 Integration

[IceGrid](#) is a server activation and location service. This section describes the ways in which you can integrate Glacier2 and IceGrid.

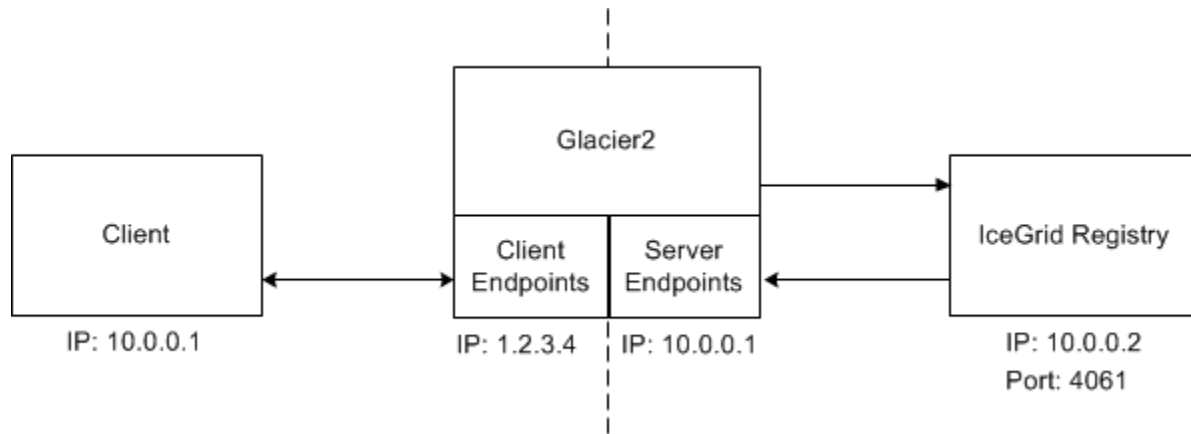
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## Configuring Router Clients for IceGrid

It is not uncommon for a Glacier2 client to require access to a locator service such as IceGrid. In the absence of Glacier2, a locator client would typically define the property `Ice.Default.Locator` with a stringified proxy for the [locator service](#). However, when that locator service is accessed via a Glacier2 router, the configuration requirements are slightly different. It is no longer necessary for the client's configuration to include `Ice.Default.Locator`; this property must be defined in the router's configuration instead.

For example, consider the following network architecture:



In this case the Glacier2 router's configuration must include the property shown below:

```
Ice.Default.Locator=IceGrid/Locator:tcp -h 10.0.0.2 -p 4061
```

## Using Replicated Session Managers

An IceGrid application might want to use [replication](#) to increase the availability of Glacier2 session managers. When you configure an indirect proxy for a session manager (and [configure Glacier2 with a locator proxy](#)), the Ice run time in the router queries the locator to obtain a proxy for a session manager replica.

By default, this proxy is cached for 10 minutes, meaning the router uses the same session manager proxy to create sessions for a 10-minute period, after which it queries the locator again. If you want to distribute the session-creation load among the session manager replicas more evenly, you can decrease the locator cache timeout using configuration properties.

For example, the following settings use a timeout of 30 seconds:

```
Glacier2.SessionManager.LocatorCacheTimeout=30
Glacier2.SSLSessionManager.LocatorCacheTimeout=30
```

As you can see, timeouts are specified individually for the `SessionManager` and `SSLSessionManager` proxies. You can also disable caching completely by using a value of 0, in which case the router queries the locator before every invocation on a session manager. See the discussion of [session management](#) for more details.

See Also

- [IceGrid](#)

- [Glacier2 Session Management](#)
- [Getting Started with IceGrid](#)
- [Object Adapter Replication](#)