

# Registry Run Time Component

The registry is the root node of the Run Time Components tree, and represents the IceGrid registry process administered by IceGrid Admin.

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## Actions

A registry provides the following actions, from its contextual menu and from the **Tools > Registry** menu:

- **Add Well-Known Object**  
Create a new dynamic well-known object in the IceGrid registry.
- **Retrieve stdout**  
Retrieve the stdout log file of the IceGrid registry into a [Log File Dialog](#) . This retrieval succeeds only when the registry stdout output has been redirected to a file using the `Ice.Stdout` property.
- **Retrieve stderr**  
Retrieve the stderr log file of the IceGrid registry into a [Log File Dialog](#) . This retrieval succeeds only when the registry stderr output has been redirected to a file using the `Ice.Stderr` property.
- **Shutdown**  
Shutdown the registry process.



You cannot restart an IceGrid registry from IceGrid Admin.

## Properties

The Registry Properties panel shows:

- **Hostname**  
The name of the host on which the IceGrid registry process is running.
- **Deployed Applications**

Deployed Applications	
Name	Last Update
OnFile	Dec 31, 2012 4:11:59 PM
Simple	Dec 31, 2012 4:12:53 PM

This table shows all the applications deployed on this IceGrid registry, along with the date and time of the last update of each application. A contextual menu allows you to:

- open the corresponding application descriptor
- patch the application, that is, instruct the IceGrid nodes to download the latest version of this application's files
- show additional details on this application in this registry
- remove (undeploy) the application from the registry

- **Dynamic Well-Known Objects**

Dynamic Well-Known Objects	
Proxy	Type
DemoIceGrid/InternalRegistry-Master -t -e 1.1:tcp -h localhost -p 5...	::IceGrid::InternalRegistry
DemoIceGrid/InternalRegistry-Replica1 -t -e 1.1:tcp -h localhost -p ...	::IceGrid::InternalRegistry
DemoIceGrid/InternalRegistry-Replica2 -t -e 1.1:tcp -h localhost -p ...	::IceGrid::InternalRegistry
DemoIceGrid/Locator -t -e 1.1:tcp -h localhost -p 12000 -t 10000:tc...	::Ice::Locator
DemoIceGrid/Query -t -e 1.1:tcp -h localhost -p 12000 -t 10000:tcp ...	::IceGrid::Query
DemoIceGrid/Registry -t -e 1.1:tcp -h localhost -p 12000 -t 10000	::IceGrid::Registry
DemoIceGrid/Registry-Replica1 -t -e 1.1:tcp -h localhost -p 12001 -...	::IceGrid::Registry
DemoIceGrid/Registry-Replica2 -t -e 1.1:tcp -h localhost -p 12002 -...	::IceGrid::Registry

This table shows the well-known objects registry dynamically with the IceGrid registry: well-known objects defined using adapter and replica-group definitions are not included. A contextual menu allows you to add or remove entries from this table, and to show a given entry in its own dialog.

- **Dynamic Object Adapters**

This table shows the object adapters registered dynamically with the registry. It is typically empty. A registry allows dynamically registered adapters only when its `IceGrid.Registry.DynamicRegistration` property is set to a value greater than 0. A contextual menu allows you to remove entries from this table.

Note that application filtering does not affect this panel: all applications, well-known objects and dynamic object adapters are always displayed.

## Children

A registry node can have two types of children:

- [Slave Registry](#)
- [Node](#)