

# IceGrid-ApplicationObserver

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## IceGrid::ApplicationObserver

### Overview

#### interface ApplicationObserver

The database observer interface. Observers should implement this interface to receive information about the state of the IceGrid registry database.

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### Operations

#### void applicationInit(int serial, IceGrid::ApplicationInfoSeq applications)

`applicationInit` is called after the registration of an observer to indicate the state of the registry.

##### Parameters

`serial` — The current serial number of the registry database. This serial number allows observers to make sure that their internal state is synchronized with the registry.  
`applications` — The applications currently registered with the registry.

#### void applicationAdded(int serial, IceGrid::ApplicationInfo desc)

The `applicationAdded` operation is called to notify an observer that an application was added.

##### Parameters

`serial` — The new serial number of the registry database.  
`desc` — The descriptor of the new application.

#### void applicationRemoved(int serial, string name)

The `applicationRemoved` operation is called to notify an observer that an application was removed.

##### Parameters

`serial` — The new serial number of the registry database.  
`name` — The name of the application that was removed.

#### void applicationUpdated(int serial, IceGrid::ApplicationUpdateInfo desc)

The `applicationUpdated` operation is called to notify an observer that an application was updated.

##### Parameters

`serial` — The new serial number of the registry database.  
`desc` — The descriptor of the update.

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