

IceGrid-Query

IceGrid::Query

Overview

interface Query

The IceGrid query interface. This interface is accessible to Ice clients who wish to look up well-known objects.

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Operations

["nonmutating"] Object* findObjectById([Ice::Identity](#) id)

Find a well-known object by identity.

Parameters

`id` — The identity.

Return Value

The proxy or null if no such object has been found.

["nonmutating"] Object* findObjectByType(string type)

Find a well-known object by type. If there are several objects registered for the given type, the object is randomly selected.

Parameters

`type` — The object type.

Return Value

The proxy or null, if no such object has been found.

["nonmutating"] Object* findObjectByTypeOnLeastLoadedNode(string type, [IceGrid::LoadSample](#) sample)

Find a well-known object by type on the least-loaded node. If the registry does not know which node hosts the object (for example, because the object was registered with a direct proxy), the registry assumes the object is hosted on a node that has a load average of 1.0.

Parameters

`type` — The object type.
`sample` — The sampling interval.

Return Value

The proxy or null, if no such object has been found.

["nonmutating"] [Ice::ObjectProxySeq](#) findAllObjectsByType(string type)

Find all the well-known objects with the given type.

Parameters

`type` — The object type.

Return Value

The proxies or an empty sequence, if no such objects have been found.

Ice::ObjectProxySeq findAllReplicas(Object* proxy)

Find all the object replicas associated with the given proxy. If the given proxy is not an indirect proxy from a replica group, an empty sequence is returned.

Parameters

`proxy` — The object proxy.

Return Value

The proxies of each object replica or an empty sequence, if the given proxy is not from a replica group.
