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## Class LocateRegistry

[java.lang.Object](#)[java.rmi.registry.LocateRegistry](#)

```
public final class LocateRegistry
extends Object
```

`LocateRegistry` is used to obtain a reference to a bootstrap remote object registry on a particular host (including the local host), or to create a remote object registry that accepts calls on a specific port.

Note that a `getRegistry` call does not actually make a connection to the remote host. It simply creates a local reference to the remote registry and will succeed even if no registry is running on the remote host. Therefore, a subsequent method invocation to a remote registry returned as a result of this method may fail.

### Since:

JDK1.1

### See Also:

[Registry](#)

## Method Summary

### Methods

Modifier and Type	Method and Description
static <a href="#">Registry</a>	<b><a href="#">createRegistry</a></b> (int port) Creates and exports a <code>Registry</code> instance on the local host that accepts requests on the specified port.
static <a href="#">Registry</a>	<b><a href="#">createRegistry</a></b> (int port, <a href="#">RMIClientSocketFactory</a> csf, <a href="#">RMIServerSocketFactory</a> ssf) Creates and exports a <code>Registry</code> instance on the local host that uses custom socket factories for communication with that instance.
static <a href="#">Registry</a>	<b><a href="#">getRegistry</a></b> () Returns a reference to the the remote object <code>Registry</code> for the local host on the default registry port of 1099.
static <a href="#">Registry</a>	<b><a href="#">getRegistry</a></b> (int port) Returns a reference to the the remote object <code>Registry</code> for the local host on the specified port.
static <a href="#">Registry</a>	<b><a href="#">getRegistry</a></b> ( <a href="#">String</a> host) Returns a reference to the remote object <code>Registry</code> on the specified host on the default registry port of 1099.
static <a href="#">Registry</a>	<b><a href="#">getRegistry</a></b> ( <a href="#">String</a> host, int port) Returns a reference to the remote object <code>Registry</code> on the specified host and port.
static <a href="#">Registry</a>	<b><a href="#">getRegistry</a></b> ( <a href="#">String</a> host, int port, <a href="#">RMIClientSocketFactory</a> csf) Returns a locally created remote reference to the remote object <code>Registry</code> on the specified host and port.

## Methods inherited from class [java.lang.Object](#)

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

## Method Detail

### getRegistry

```
public static Registry getRegistry()  
                        throws RemoteException
```

Returns a reference to the the remote object Registry for the local host on the default registry port of 1099.

#### Returns:

reference (a stub) to the remote object registry

#### Throws:

`RemoteException` - if the reference could not be created

#### Since:

JDK1.1

### getRegistry

```
public static Registry getRegistry(int port)  
                        throws RemoteException
```

Returns a reference to the the remote object Registry for the local host on the specified port.

#### Parameters:

port - port on which the registry accepts requests

#### Returns:

reference (a stub) to the remote object registry

#### Throws:

`RemoteException` - if the reference could not be created

#### Since:

JDK1.1

### getRegistry

```
public static Registry getRegistry(String host)  
                        throws RemoteException
```

Returns a reference to the remote object Registry on the specified host on the default registry port of 1099. If host is null, the local host is used.

#### Parameters:

host - host for the remote registry

#### Returns:

reference (a stub) to the remote object registry

#### Throws:

`RemoteException` - if the reference could not be created

#### Since:

JDK1.1

### getRegistry

```
public static Registry getRegistry(String host,
                                   int port)
                                   throws RemoteException
```

Returns a reference to the remote object Registry on the specified host and port. If host is null, the local host is used.

**Parameters:**

host - host for the remote registry

port - port on which the registry accepts requests

**Returns:**

reference (a stub) to the remote object registry

**Throws:**

RemoteException - if the reference could not be created

**Since:**

JDK1.1

## getRegistry

```
public static Registry getRegistry(String host,
                                   int port,
                                   RMIClientSocketFactory csf)
                                   throws RemoteException
```

Returns a locally created remote reference to the remote object Registry on the specified host and port. Communication with this remote registry will use the supplied RMIClientSocketFactory csf to create Socket connections to the registry on the remote host and port.

**Parameters:**

host - host for the remote registry

port - port on which the registry accepts requests

csf - client-side Socket factory used to make connections to the registry. If csf is null, then the default client-side Socket factory will be used in the registry stub.

**Returns:**

reference (a stub) to the remote registry

**Throws:**

RemoteException - if the reference could not be created

**Since:**

1.2

## createRegistry

```
public static Registry createRegistry(int port)
                                   throws RemoteException
```

Creates and exports a Registry instance on the local host that accepts requests on the specified port.

The Registry instance is exported as if the static UnicastRemoteObject.exportObject method is invoked, passing the Registry instance and the specified port as arguments, except that the Registry instance is exported with a well-known object identifier, an ObjID instance constructed with the value ObjID.REGISTRY\_ID.

**Parameters:**

port - the port on which the registry accepts requests

**Returns:**

the registry

**Throws:**

[RemoteException](#) - if the registry could not be exported

**Since:**

JDK1.1

## createRegistry

```
public static Registry createRegistry(int port,
                                     RMIClientSocketFactory csf,
                                     RMIServerSocketFactory ssf)
    throws RemoteException
```

Creates and exports a Registry instance on the local host that uses custom socket factories for communication with that instance. The registry that is created listens for incoming requests on the given port using a ServerSocket created from the supplied RMIServerSocketFactory.

The Registry instance is exported as if the static [UnicastRemoteObject.exportObject](#) method is invoked, passing the Registry instance, the specified port, the specified RMIClientSocketFactory, and the specified RMIServerSocketFactory as arguments, except that the Registry instance is exported with a well-known object identifier, an [ObjID](#) instance constructed with the value [ObjID.REGISTRY\\_ID](#).

**Parameters:**

port - port on which the registry accepts requests

csf - client-side Socket factory used to make connections to the registry

ssf - server-side ServerSocket factory used to accept connections to the registry

**Returns:**

the registry

**Throws:**

[RemoteException](#) - if the registry could not be exported

**Since:**

1.2

### [Submit a bug or feature](#)

For further API reference and developer documentation, see [Java SE Documentation](#). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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