

ifSocketCastOption

Implemented By

- [roDataGramSocket](#)

Supported Methods

- [GetBroadcast\(\)](#) as Boolean
- [SetBroadcast\(enable as Boolean\)](#) as Boolean
- [JoinGroup\(ipAddress as Object\)](#) as Boolean
- [DropGroup\(ipAddress as Object\)](#) as Boolean
- [GetMulticastLoop\(\)](#) as Boolean
- [SetMulticastLoop\(enable as Boolean\)](#) as Boolean
- [GetMulticastTTL\(\)](#) as Integer
- [SetMulticastTTL\(ttl as Integer\)](#) as Boolean

Description of Methods

Only the [roDataGramSocket](#) component supports the ifSocketCastOption multicast interface. The [roStreamSocket](#) component does not support multicast.

GetBroadcast() as Boolean

Return true if broadcast messages are enabled to be sent or received.

SetBroadcast(enable as Boolean) as Boolean

If enable is true, enable broadcast messages to be sent or received; otherwise do not send or receive broadcast messages.

Returns true if successfully set.

JoinGroup(ipAddress as Object) as Boolean

Join the multicast group specified by the passed in multicast ipAddress. ipAddress must be an [roSocketAddress](#).

Ipv4 multicast addresses are in the range: 224.0.0.0 through 239.255.255.255

Returns true if successfully set.

DropGroup(ipAddress as Object) as Boolean

Drop out of the multicast group specified by the passed in multicast ipAddress. ipAddress must be an [roSocketAddress](#).

Ipv4 multicast addresses are in the range: 224.0.0.0 through 239.255.255.255

Returns true if successfully set.

GetMulticastLoop() as Boolean

Return true if multicast messages are enabled for local loopback.

If enabled, multicast message sent locally are to be received locally.

SetMulticastLoop(enable as Boolean) as Boolean

If enable is true, enable local loopback of multicast messages; otherwise do not send or receive broadcast messages.

Returns true if successfully set.

GetMulticastTTL() as Integer

Return the TTL integer value for multicast messages.

TTL is the number of hops a packet is allowed before a router drops the packet.

SetMulticastTTL(ttl as Integer) as Boolean

Set the TTL integer value for multicast messages.

TTL is the number of hops a packet is allowed before a router drops the packet.

Returns true if successfully set.