

ost::NetworkDeviceInfo(3)

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NAME

ost::NetworkDeviceInfo –

Network device information class.

SYNOPSIS

#include <network.h>

Public Member Functions

NetworkDeviceInfo (const **NetworkDeviceInfo** &ndi)
~NetworkDeviceInfo ()
const String & name () const
Returns the Name of the network device.
const IPV4Host & address () const
Returns the Address of the network device.
const IPV4Broadcast & broadcast () const
Returns the Broadcast address of the network device.
const IPV4Mask & netmask () const
Returns the Netmask of the network device.
const int mtu () const
Returns the MTU.

Protected Member Functions

NetworkDeviceInfo (const **String** &name, const **IPV4Host** &addr, const **IPV4Broadcast** &broadcast,
const IPV4Mask &netmask, int mtu)

Friends

bool enumNetworkDevices (std::vector<**NetworkDeviceInfo**> &devs)
Enumerate all available network devices.

Detailed Description

Network device information class.

This class is used to hold various informations about a TCP/IP network device. Which can be obtained by a call to **enumNetworkDevices()**

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Constructor & Destructor Documentation

ost::NetworkDeviceInfo::NetworkDeviceInfo (const **String** & name, const **IPV4Host** & addr, const
IPV4Broadcast & broadcast, const **IPV4Mask** & netmask, int mtu) [protected]
ost::NetworkDeviceInfo::NetworkDeviceInfo (const **NetworkDeviceInfo** & ndi)
ost::NetworkDeviceInfo::~NetworkDeviceInfo ()

Member Function Documentation

const IPV4Host& ost::NetworkDeviceInfo::address () const [inline]

Returns the Address of the network device.

const IPV4Broadcast& ost::NetworkDeviceInfo::broadcast () const [inline]

Returns the Broadcast address of the network device.

const int ost::NetworkDeviceInfo::mtu () const [inline]

Returns the MTU.

const String& ost::NetworkDeviceInfo::name () const [inline]

Returns the Name of the network device.

const IPV4Mask& ost::NetworkDeviceInfo::netmask () const [inline]

Returns the Netmask of the network device.

Friends And Related Function Documentation

bool enumNetworkDevices (std::vector<**NetworkDeviceInfo**> & devs) [friend]
Enumerate all available network devices.



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Author

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