

packet-sink-helper.cc

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```
1  /* -*- Mode:C++; c-file-style:"gnu"; indent-tabs-mode:nil; -*- */
2  /*
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16  * Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
17  *
18  * Author: Mathieu Lacage <mathieu.lacage@sophia.inria.fr>
19  */
20
21 #include "packet-sink-helper.h"
22 #include "ns3/string.h"
23 #include "ns3/inet-socket-address.h"
24 #include "ns3/names.h"
25
26 namespace ns3 {
27
28 PacketSinkHelper::PacketSinkHelper (std::string protocol, Address address)
29 {
30     m_factory.SetTypeId ("ns3::PacketSink");
31     m_factory.Set ("Protocol", StringValue (protocol));
32     m_factory.Set ("Local", AddressValue (address));
33 }
34
35 void
36 PacketSinkHelper::SetAttribute (std::string name, const AttributeValue &value)
37 {
38     m_factory.Set (name, value);
39 }
40
41 ApplicationContainer
42 PacketSinkHelper::Install (Ptr<Node> node) const
43 {
44     return ApplicationContainer (InstallPriv (node));
45 }
46
47 ApplicationContainer
48 PacketSinkHelper::Install (std::string nodeName) const
49 {
50     Ptr<Node> node = Names::Find<Node> (nodeName);
51     return ApplicationContainer (InstallPriv (node));
52 }
53
54 ApplicationContainer
55 PacketSinkHelper::Install (NodeContainer c) const
56 {
57     ApplicationContainer apps;
58     for (NodeContainer::Iterator i = c.Begin (); i != c.End (); ++i)
59     {
60         apps.Add (InstallPriv (*i));
61     }
62     return apps;
63 }
64
65 Ptr<Application>
66 PacketSinkHelper::InstallPriv (Ptr<Node> node) const
67 {
68     Ptr<Application> app = m_factory.Create<Application> ();
69     node->AddApplication (app);
70
71     return app;
72 }
73 }
```

```
74 |  
75 | } // namespace ns3
```