

on-off-helper.h

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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  *
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19  */
20 #ifndef ON_OFF_HELPER_H
21 #define ON_OFF_HELPER_H
22
23 #include <stdint.h>
24 #include <string>
25 #include "ns3/object-factory.h"
26 #include "ns3/address.h"
27 #include "ns3/attribute.h"
28 #include "ns3/net-device.h"
29 #include "ns3/node-container.h"
30 #include "ns3/application-container.h"
31 #include "ns3/onoff-application.h"
32
33 namespace ns3 {
34
35 class DataRate;
36
37 class OnOffHelper
38 {
39 public:
40     OnOffHelper (std::string protocol, Address address);
41
42     void SetAttribute (std::string name, const AttributeValue &value);
43
44     void SetConstantRate (DataRate dataRate, uint32_t packetSize = 512);
45
46     ApplicationContainer Install (NodeContainer c) const;
47
48     ApplicationContainer Install (Ptr<Node> node) const;
49
50     ApplicationContainer Install (std::string nodeName) const;
51
52     int64_t AssignStreams (NodeContainer c, int64_t stream);
53
54 private:
55     Ptr<Application> InstallPriv (Ptr<Node> node) const;
56
57     ObjectFactory m_factory;
58 };
59
60 } // namespace ns3
61
62 #endif /* ON_OFF_HELPER_H */
```