

**NAME**

**ng\_hub** - packet distribution netgraph node type

**SYNOPSIS**

```
#include <netgraph/ng_hub.h>
```

**DESCRIPTION**

The **hub** node type provides a simple mechanism for distributing packets over several links. Packets received on any of the hooks are forwarded out the other hooks. Packets are not altered in any way.

**HOOKS**

A **hub** node accepts any request to connect, regardless of the hook name, as long as the name is unique.

**CONTROL MESSAGES**

This node type supports the generic control messages, plus the following:

NGM\_HUB\_SET\_PERSISTENT (**setpersistent**)

This command sets the persistent flag on the node, and takes no arguments.

**SHUTDOWN**

This node shuts down upon receipt of a NGM\_SHUTDOWN control message, or when all hooks have been disconnected. Setting the persistent flag via a NGM\_HUB\_SET\_PERSISTENT control message disables automatic node shutdown when the last hook gets disconnected.

**SEE ALSO**

netgraph(4), ng\_bridge(4), ng\_ether(4), ng\_one2many(4), ngctl(8), nghook(8)

**HISTORY**

The **ng\_hub** node type appeared in FreeBSD 5.3.

**AUTHORS**

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