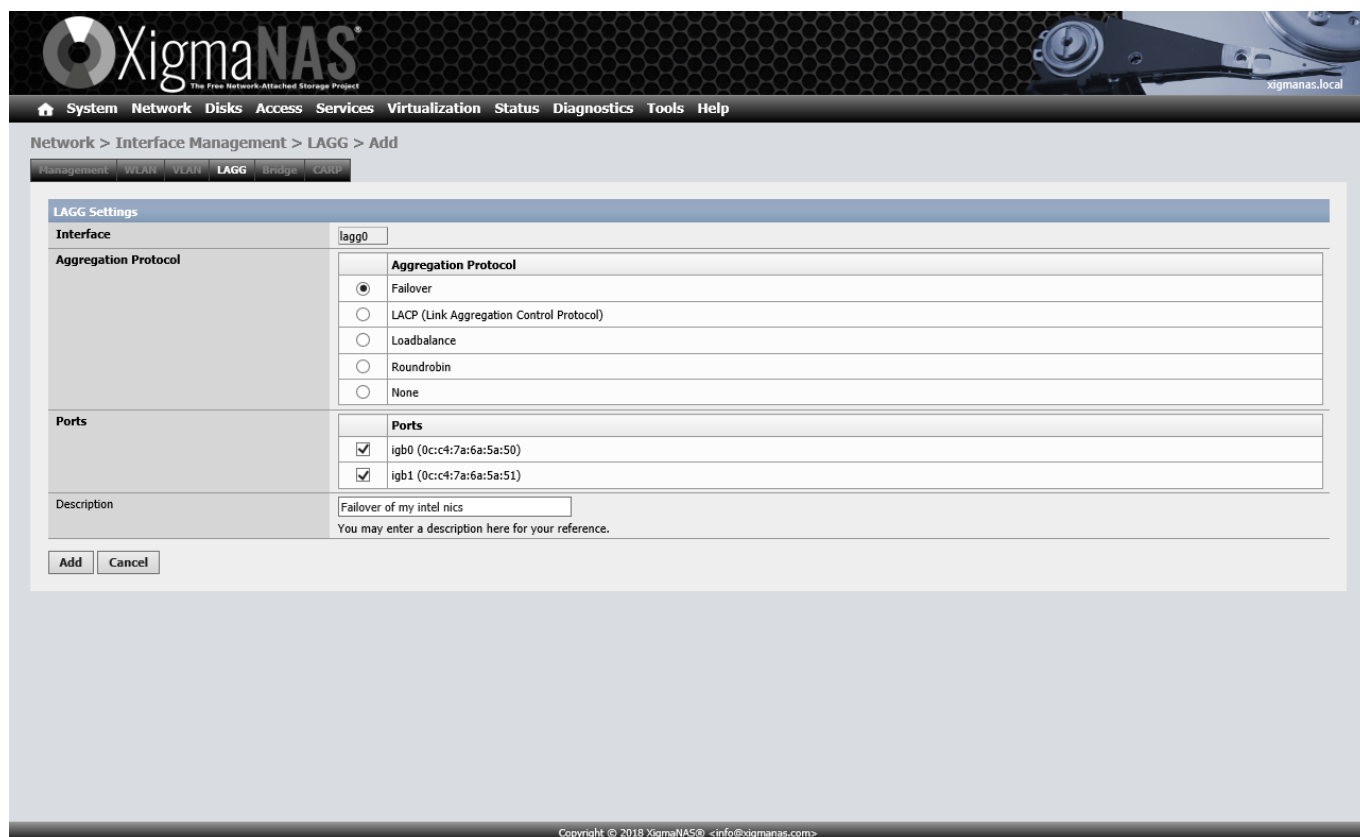


Link Aggregation and Failover

XigmaNAS supports different Link Aggregation and Failover settings.



This is a Topic for Advanced user. Here we refer to [lagg manpage](#) of the FreeBSD project.

Also see:

[Link aggregation](#) on Wikipedia.org

[...]extract

```
failover Sends traffic only through the active port. If the
master port becomes unavailable, the next active port is used. The
first interface added is the master port; any interfaces
added after that are used as failover devices.
```

```
lACP Supports the IEEE 802.1AX (formerly 802.3ad) Link Aggrega-
tion Control Protocol (LACP) and the Marker Protocol. LACP
will negotiate a set of aggregable links with the peer in to
one or more Link Aggregated Groups. Each LAG is composed of
ports of the same speed, set to full-duplex operation. The
traffic will be balanced across the ports in the LAG with
the greatest total speed, in most cases there will only be
one LAG which contains all ports. In the event of changes
in physical connectivity, Link Aggregation will quickly con-
verge to a new configuration.
```

loadbalance Balances outgoing traffic across the active ports based on hashed protocol header information and accepts incoming traffic from any active port. This is a static setup and does not negotiate aggregation with the peer or exchange frames to monitor the link. The hash includes the Ethernet source and destination address, and, if available, the VLAN tag, and the IP source and destination address.

roundrobin Distributes outgoing traffic using a round-robin scheduler through all active ports and accepts incoming traffic from any active port. Using roundrobin mode can cause unordered packet arrival at the client. Throughput might be limited as the client performs CPU-intensive packet reordering.

none This protocol is intended to do nothing: it disables any traffic without disabling the lagg interface itself.

From: <https://www.xigmanas.com/wiki/> - XigmaNAS

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Last update: 2018/09/30 22:46

