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PROFESSIONAL SERVICES TECH NOTE #003

Blocking Protocol Access to NIC Ports

The Concept

By default, all licensed protocols can send and receive data across all configured network interfaces. Data ONTAP 7.3 provides system-level options to block network ports from use by select networks protocols. Previous releases of Data ONTAP only allowed restricting iSCSI to specific ports.

Note: The interfaces may not be TCP Offload Engine (TOE)-enabled interfaces or iSCSI HBAs.

Examples

```
fas> options interface.cifs.blocked e0b
fas> options interface.iscsi.blocked e1a,e1b,e1c,e1d
fas> options interface.nfs.blocked e0a,e0c
fas> options interface.snapmirror.blocked e0d
```

Note: Be sure to make the same settings on a cluster partner if they are configured to takeover partner interfaces during a cluster failover.

What It Means To You

It is now possible to do rudimentary traffic shaping by preventing other protocols from sending traffic across interfaces dedicated to iSCSI or backup networks used for backup and replication (i.e., SnapMirror).

More Information

The Manual Pages contain information on the options and syntax:

http://now.netapp.com/NOW/knowledge/docs/ontap/rel731/html/ontap/cmdref/man1/na_options.1.htm

The Network Administration Guide has further examples, including how to block protocols on TOE interfaces:

http://now.netapp.com/NOW/knowledge/docs/ontap/rel731/html/ontap/nag/networking/concept/c_oc_netw_ifconfig_protocol.html

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