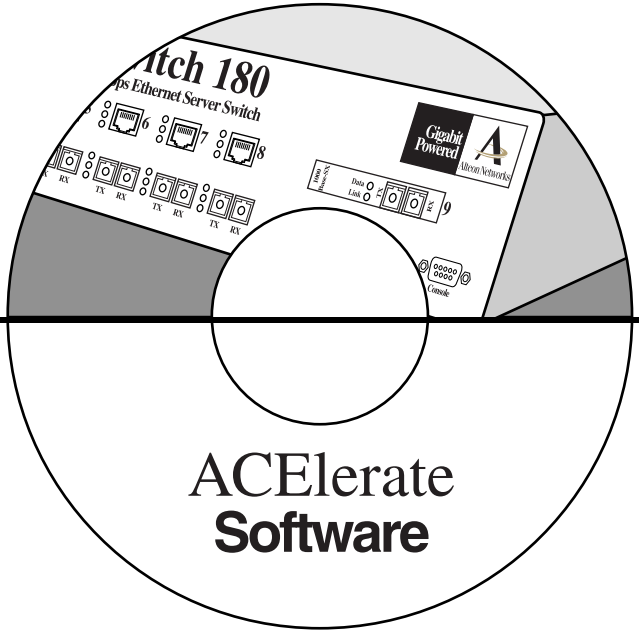
RELEASE NOTES:
User's Guide



Release 4

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Release Notes

These release notes provide the latest information regarding your ACElerate Switch Software, Release 4.0.35 (and above). This supplement modifies information found in the complete documentation: *ACElerate Switch Software User's Guide* for Release 4 (part number 050031, Revision A). Please keep this information with your Alteon Networks product manuals.

Additional Load Balancing Metric: minmisses

Metrics are discussed on page 7-34 of the *ACElerate Switch Software User's Guide*. Please note the following additional information:

The metric options determine the method for selecting which real server in a real server group will be the target of the next client request. In addition to the `roundrobin` and `leastconns` load balancing metrics, the `minmisses` metric is now available.

When `minmisses` is specified for a real server group performing Server Load Balancing, all requests from a specific client will always be sent to the same specific server. This is useful for applications where client information must be retained on the server between sessions. Server load with this metric becomes most evenly balanced as the number of active clients increases.

When `minmisses` is specified for a real server group performing Application Redirection, all requests for a specific IP destination address will always be sent to the same specific server. This is particularly useful in caching applications by helping to maximize successful cache hits. Server load with this metric becomes most evenly balanced as the number of requested IP destination addresses increases.

Metrics are set using the `metrc` command on the Real Server Group Menu. For example:

```
>> # /cfg/slb/group 1                    (Select real server group #1)
>> Real server group 1# metrc minmisses  (Specify the minmisses metric)
```

The `minmisses` metric should also be defined in Step #6 of the web-cache redirection example shown on page 16-4.

Default Filters

Default filters are discussed on page 16-4 of the *ACElerate Switch Software User's Guide*. Please note the following additional information:

Although recommended when configuring filters for IP traffic control and redirection, default filters are not required. Using default filters can increase session performance, but takes some of the session binding resources. If you experience an unacceptable number of binding failures as shown in the Server Load Balancing Maintenance Statistics (`/stats/slb/maint`), you may wish to remove some of the default filters.

Use of Port Mirroring and Layer 4 Services

Port Mirroring cannot be used simultaneously with Layer 4 services (Server Load Balancing or Application Redirection) on any switch port connected to a server either directly, or through another switch or hub. For Server Load Balancing, this applies to any switch port configured in the "`server`" state. For Application Redirection, this applies to any switch port that has a cache server attached to it directly or indirectly.

Use your network analyzer with a full-duplex pass-through connection or an Ethernet hub when troubleshooting a switch port for a server used for Layer 4 services.

Backup Server Statistics

Statistics for backup servers are not shown under the real server statistics (`/stats/slb/virt`) or the real server group statistics (`/stats/slb/group`).

Downloading Switch Configuration Files to the Console Port

Under certain conditions, when downloading a long list of configuration commands from a saved file into the switch console port, some input data may be lost. This can cause configuration errors. This problem can be resolved as follows: If the switch has been configured with it own IP address, you can use Telnet to establish a connection to the switch's administration session and download the configuration file.

ACEvision Limitations

There are some features available using the Command Line Interface which are not yet available using the ACEvision web-based interface:

- Display of MAC or Layer 2 forwarding database (FDB) entries
- Traceroute and `ping`
- When configuring real servers, the Backup Server ID field does not function.

Errata for Filtering Example

A number of corrections should be noted for the Security Example shown in Chapter 16 of the *ACElerate Switch Software User's Guide*. In the example, the `sip`, `dip` and `dmask` for filters #3, #7, and #9 are reversed. The correct configuration information follows.

On page 16-7, Step #4, Filter #3, replace the `sip`, `dip`, and `dmask` with the following:

```
>> Filter 3# dip any                    (To any destination IP address)
>> Filter 3# sip 205.177.15.3           (From mail-server source IP address)
>> Filter 3# smask 255.255.255.255      (Fill mask for exact source address)
```

On page 16-9, Step #7, Filter #7, replace the `sip`, `dip`, and `dmask` with the following:

```
>> Filter 7# dip any                    (To any destination IP address)
>> Filter 7# sip 205.177.15.4           (From local Domain Name Server)
>> Filter 7# smask 255.255.255.255      (Fill mask for exact source address)
```

On page 16-9, Step #7, Filter #9, replace the `sip`, `dip`, and `dmask` with the following:

```
>> Filter 9# dip any                    (To any destination IP address)
>> Filter 9# sip 205.177.15.4           (From local Domain Name Server)
>> Filter 9# smask 255.255.255.255      (Fill mask for exact source address)
```

Late-Breaking News and Support

Web access: `www.alteon-networks.com`

Questions? Check the URL for Alteon Networks Online Information. This web site includes product information, software updates, release notes, and white papers. The web site also includes access to Alteon Networks Customer Support for accounts under warranty or that are covered by a maintenance contract.