



8371 Release 2.0 Notes July 1999

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8371 Networking Multilayer Ethernet Switch Release 2.0 Notes - July 1999

VCC Age Out Issues

In order to improve performance in an ATM network, logging of outbound traffic statistics is being bypassed. This means that the outbound traffic counters are not updated. A VCC which is only sending traffic out (the return traffic is on a different VCC) may get aged out even though it is being used. You can set a patch variable to disable this ATM bypass.

From the OPCON prompt, issue the following commands:

```
* talk 6
Config> patch disable-atm-bypass
New value [0]? 1
Variable patched successfully
Config> write

Config>
*reload y
```

This will disable the bypass. Performance will be reduced, but outbound traffic counters will update and the VCC should not be aged out.

ATM LEC Selector Bytes from Network Configuration Editor

Newly created configurations from the Network Configuration Editor default the ATM LEC selector bytes starting at X'0x40' and increment to X'0x41', X'0x42', and so on, rather than X'0x28', X'0x29', X'0x2A'

Spanning Tree Port Cost Adjustments

Newly created configurations will now default spanning tree port costs to:

- 1 for Link Aggregation Groups
- 5 for ATM LECs
- 10 for all other ports.

Configurations upgraded from Release 1.0 will also have their port costs adjusted in this way for all ports that have been left at the default cost. If the spanning tree costs have been explicitly set, those costs will not be changed.

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Overview

This document describes the release notes for Release 2.1 of the 8371 and 8371 Blade.

It is assumed that the reader of this document already has the latest release notes for Release 2.0 of the 8371 (titled *8371 Release Notes Version 2.0 July 1999*). Go to www.networking.ibm.com/support for a copy of this document or the base document..

This document only describes the changes or additions resulting from the Release 2.1 product.

Operational Notes

The following items should be noted and understood before applying the R2.1 software to your 8371:

- After applying the R2.1 software, the user must reconfigure the 8371 in order for the software to work properly. The user cannot use a R2 configuration as a starting point for configuring an 8371 with R2.1 installed. The user must completely delete the current configuration and then reboot the 8371. This will cause a new default configuration to be created. The user can then proceed to use this new default configuration as the base from which to configure the desired R2.1 function. If the user encounters a configuration problem where bridge instance one is not found, this is most likely caused by a corrupt configuration file. If this happens, delete the configuration file, reboot the 8371, and then proceed to reconfigure the box.
- The Web browser configuration is not supported on R2.1. For configuration and console support, the user must use the Talk 6 and Talk 5 functions or the GUI Configuration Tool.
- The Port Security function may not work properly on an interface if routing is also configured on that same interface.
- LEC Persistence switchback does not occur automatically if the ATM subsystem in a hub is reset and the MSS is resident in that hub. The user can manually cause the switchback to occur by going to Talk 5 and using the switchback command in the LEC console.

Integrated Service

The following service has been integrated into Release 2.1:

- IR41739
- IR41740
- IR41766
- IR42911
- IR42915
- IR42927
- IR42929
- IR43156