



# Documentation Bulletin

Severity Level	Info	Bulletin Number	E87611-01
Issue Date	05/22/2017	Expires	DSR 8.1 Customer Documentation Set
Title	Additional information for IPFE in DSR 8.0		
Product	DSR	Release	8.0
Priority	FYI	Related Bugs	Bug 25577365
Impacts Compatibility	NO	Product Line(s): <i>(Only if Impacts Compatibility = YES)</i>	N/A
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Markets	ALL		
Approved By/Date		Information Development Manager	K. Cook 05/23/2017

## Problem Description

The IPFE User's Guide (E85611) should contain the information listed below.

## Impact

### Switch MAC address cache and ping feature

In a certain deployments where all traffic passes through the IPFE, no Ethernet packets go directly to the DA-MP from the gateway (or remote peer, for the case that a remote peer is on the local network segment). Rather, all Ethernet packets come to the DA-MP by way of the IPFE. Any intermediate Switch would be unaware that the Ethernet jack ("switch port") of the gateway (or peer) is a viable path for packets emitted by the DA-MP. In this case, the Switch would broadcast that packet to all Ethernet switch ports as a last resort. This creates network flooding.

For this situation, even if the switch had knowledge of the aforementioned switch port, this information expires after five minutes on typical switch configurations.

The solution to this problem is to keep the switch tables up-to-date with periodic pings to remote peers or gateways. An ICMP or ARP ping every two minutes, from the DA-MPs, is sufficient.

To run the ping on a particular DA-MP, login as root and run

/usr/TKLC/dsr/bin/pingAllLivePeers -v

Use pingAllLivePeers -h for options. These commands can be used for diagnostics. Note that background operation logs to /var/log/messages and /var/log/cron

## Needed Actions

Customers should store this bulletin in the Documentation location for reference. Contact My Oracle Support for further assistance.

This notice is provided to Oracle customers about issues identified with our systems. If you have any questions about this notice, call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>.