

# Software Error 514

Document ID: 10813

## Contents

### Introduction

#### Prerequisites

- Requirements

- Components Used

- Conventions

#### Error Description

#### Related Information

## Introduction

This document describes Software Error 514.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

Refer to the Cisco Technical Tips Conventions for more information on document conventions.

## Error Description

Software Error 514 indicates that the software modified more memory than requested for a data element. If the data field shows 0xXXADFACE, the overwrite is only one byte (XX can be any value), and there is probably not a problem. If the data field does not contain any of the 0xDEADFACE flag, the overwrite is possibly large, and must be investigated by engineering.

Large overwrites contribute to 1M3 aborts, as well as other data corruption problems. For example:

```
3. Error 514          00000000  30156EBC  RSRC  9.3.20  07/19/03
   08:27:21

   USP 30358540 30 15 6E BC 00 00 02 02  00 00 00 00 00 02 04 80
   0.n.....
   USP 30358550 00 00 16 00 00 00 08  00 00 00 19 00 00 02 40
   .....@
   USP 30358560 30 BD 83 2C 30 24 02 80  30 B7 4B 2C 00 00 00 0C
```

```
0..,0$.0.K,....
USP 30358570 00 00 00 00 30 74 C3 EC 30 B7 4B 2C 30 35 86 1C
....0t..0.K,05..
USP 30358580 30 23 3A 04 00 00 00 0C 00 00 00 16 00 00 00 0C
0#:.....
USP 30358590 30 EC E7 50 30 74 C3 EC 30 BD 83 2C 30 B7 4B 2C
0..P0t..0..,0.K,
USP 303585A0 30 23 0B 02 00 00 00 0C 30 74 C3 EC 00 00 00 0C
0#.....0t.....
USP 303585B0 30 35 86 58 30 BD 83 2C 30 23 88 1E 00 00 00 0C
05.X0..,0#.....
USP 303585C0 30 74 C3 EC 00 00 00 01 00 00 00 1A 00 00 00 00
0t.....
USP 303585D0 30 35 86 58 00 00 00 02 30 DB DB 3E 30 9E 92 EC
05.X....0..>0...
```

The 0xDEADFACE flag is cleared.

00 02 04 80 - address of routine that allocated memory.  
30 24 02 80 - address of routine that freed memory.

## Related Information

- [Cisco WAN Switching Solutions – Cisco Documentation](#)
- [Guide to New Names and Colors for WAN Switching Products](#)
- [Technical Support & Documentation – Cisco Systems](#)

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