

Recovering Real Time

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Introduction

If a switch node (IGX or BPX) is consuming a lot of real-time (80 to 90 percent), you can use the **cnfrobparm** command to reconfigure and recover some of this real-time.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

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

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Syntax

```
cnfrobparm <index> <value>
```

Where <index> specifies the parameter to configure and <value> specifies a new value to be entered for the parameter.

Function

This SuperUser command is used to set the timers associated with robust alarms. Robust Alarms is a protocol for node-to-NMS communications. These parameters tell the software how often to execute the robust state machine and how long to wait between messages.

Robust Communications Parameters

No.	Parameter	Description	Default
1	Robust State wakeup timer (sec.)	This state machine comes to life once per second (default). If this timer is increased, it operates less often and places less of a load on the node processor.	10 sec.
2	Robust update timer (sec.)	Once a message has been sent to the NMS, another one will not be sent before this timer expires.	10 sec.
3	Robust acknowledgment timeout (sec.)	An acknowledgment must be returned by the NMS within this time period or it is assumed the communications link is down.	300 sec.
4	Robust acknowledgment reset timeout (sec.)	When the link has gone down and is subsequently repaired, the next message will be sent after this timeout. Provides a settling time for the link.	60 sec.

Related Information

- [Cisco WAN Switching Solutions – Cisco Documentation](#)
- [Guide to New Names and Colors for WAN Switching Products](#)
- [Downloads – WAN Switching Software \(registered customers only\)](#)
- [Technical Support – Cisco Systems](#)

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