

# 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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