

Integrate the Cisco IOS Gateway to the MX/Alliance Turret via T1-CAS

Document ID: 71708

Introduction

Prerequisites

Requirements

Components Used

Conventions

Problem

Solution

NetPro Discussion Forums – Featured Conversations

Related Information

Introduction

This document contains the solution for how to integrate a Cisco IOS® Gateway with an MX/Alliance Turret System using T1-Channel Associated Signaling (CAS).

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- T1-CAS
- How to configure the Cisco IOS Gateway for voice

Components Used

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

Conventions

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

Problem

Consider this topology:

- IP Phone-->Cisco CallManager--H.323-->2851--T1CAS-->MX/Alliance Turret System

The MX/Alliance T1 is configured for Foreign Exchange Station (FXS) loopstart and Super Frame (SF)/Alternate Mark Inversion (AMI). When the T1 controller on the Cisco 2851 Integrated Services Router is configured for Foreign Exchange Office (FXO) loopstart and SF/AMI, calls from the IP phone to the turret work fine. But the 2851 never sees an incoming seizure from the MX/Alliance due to non-standard signaling used by the MX/Alliance.

Solution

The solution is to insert an RAD Vmux 2100 Circuit Emulator/Transport Device between the Cisco IOS Gateway T1 Controller and the MX/Alliance Turret System. Because the Vmux 2100 converts time-division multiplex (TDM)-to-IP and back to TDM, the Cisco IOS Gateway T1 Controller can be configured for E&M Immediate-Start, ESF/B8Zs while the MZ/Alliance remains configured as T1 FXS loopstart, SF/AMI.

Complete these steps:

1. Connect the Vmux 2100 to the Cisco IOS Gateway T1 Controller and the MX/Alliance Turret System according to the instructions provided by the manufacturer.
2. Configure the Cisco IOS Gateway using the steps outlined in Private Line Automatic Ringdown for Trading Turrets.

NetPro Discussion Forums – Featured Conversations

Networking Professionals Connection is a forum for networking professionals to share questions, suggestions, and information about networking solutions, products, and technologies. The featured links are some of the most recent conversations available in this technology.

NetPro Discussion Forums – Featured Conversations for Voice
Service Providers: Voice over IP
Voice & Video: Voice over IP
Voice & Video: IP Telephony
Voice & Video: IP Phone Services for End Users
Voice & Video: Unified Communications
Voice & Video: IP Phone Services for Developers
Voice & Video: General

Related Information

- [Private Line Automatic Ringdown for Trading Turrets](#)
- [Voice Technology Support](#)
- [Voice and Unified Communications Product Support](#)
- [Recommended Reading: Troubleshooting Cisco IP Telephony](#)
- [Technical Support & Documentation – Cisco Systems](#)

[Contacts & Feedback](#) | [Help](#) | [Site Map](#)

© 2007 – 2008 Cisco Systems, Inc. All rights reserved. [Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks of Cisco Systems, Inc.](#)

Updated: Jan 23, 2007

Document ID: 71708
