



# About This Guide

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This manual provides information about how to install and manage the Cisco ATM Asynchronous Transfer Mode (ATM) SBus adapter. Each SBus adapter comes with a suite of software that includes the Cisco ATM SBus adapter utility (atmstat). This document describes the use of the Cisco ATM SBus adapter utility for ATM configuration management and network performance monitoring. Pertinent ATM concepts are also described as they relate to the use and management of the Cisco ATM SBus adapter.

## Audience

This publication is designed for network administrators and people responsible for setting up and maintaining the Cisco ATM SBus adapter. You should have a basic background knowledge of the UNIX system, shell commands, TCP/IP protocols, and ATM networking.

## Summary of Contents

Following are the chapters and appendixes included in this publication:

- Chapter 1, “Product Overview,” provides a hardware and software overview, unpacking information, and an installation checklist for the Cisco ATM SBus adapter.
- Chapter 2, “Preparing for Installation,” provides safety guidelines that you should follow when installing the Cisco ATM SBus adapter.
- Chapter 3, “Installing the Cisco ATM SBus Adapter Hardware,” describes how to install the adapter hardware.
- Chapter 4, “Installing the Cisco ATM SBus Adapter Software,” describes how to install the adapter software.

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- Chapter 5, “Confirming the Installation,” explains how to verify that the adapter hardware and drivers are installed properly.
- Chapter 6, “Using the ATM SBus Adapter Utility,” describes diagnostic, statistical-display, and VLAN configuration utilities.
- Appendix A, “VLAN Considerations,” provides information to consider when planning and setting up your VLAN configuration.
- Appendix B, “VLAN Configuration File,” provides an example and explanation of the catmlancfg.db file.
- Appendix C, “Removing the Adapter Software,” explains how to remove the ATM SBus adapter driver.
- Appendix D, “Troubleshooting,” provides symptoms of installation problems and possible solutions.
- Appendix E, “Translated Safety Warnings” provides translations in multiple languages for warnings given in the manual.

## Document Conventions

This document uses the following conventions to convey instructions and information.

Command descriptions use these conventions:

- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are shown in *italics*.
- Keywords and arguments in brackets ([ ]) are optional.

The samples use these conventions:

- Terminal sessions and system displays are in `screen font`, with default responses in square brackets ([ ]).
- Information you enter is in **boldface screen font**, with default responses in square brackets ([ ]).

Notes, cautions, and warnings use the following conventions and symbols:

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**Note** Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

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**Caution** This caution symbol means *reader be careful*. You are capable of doing something that might result in equipment damage or loss of data.



**Warning** This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. The warning symbol also means that you can see the warning in multiple languages in "Translated Safety Warnings."

**Waarschuwing** Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van standaard maatregelen om ongelukken te voorkomen. Het waarschuwingssymbool betekent ook dat u de waarschuwing in meerdere talen in "Translated Safety Warnings" kunt vinden.

**Varoitus** Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. Varoitusmerkki tarkoittaa myös sitä, että varoitus esiintyy useilla kielillä osassa "Translated Safety Warnings".

**Attention** Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant causer des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Le symbole d'avertissement signifie également que cet avis se trouve traduit dans plusieurs langues dans la section «Translated Safety Warnings».

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**Warnung** Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewußt. Das Warnsymbol bedeutet auch, daß Sie die Warnung in verschiedenen Sprachen unter "Translated Safety Warnings" lesen können.

**Avvertenza** Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti. Il simbolo di avvertenza indica inoltre che l'avvertenza viene presentata in diverse lingue in "Translated Safety Warnings".

**Advarsel** Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker. Dette varselsymbolet betyr også at du kan lese advarselen på flere språk i «Translated Safety Warnings».

**Aviso** Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes. Este símbolo serve também para indicar que poderá ler este tipo de aviso em várias línguas na secção: "Translated Safety Warnings."

**¡Atención!** Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes. Este símbolo de aviso también significa que la misma advertencia aparece en varios idiomas bajo el título "Translated Safety Warnings".

**Warning!** Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador. Denna varningssymbol innebär också att du kan se varningsmeddelandet på flera språk i "Translated Safety Warnings".