



## Path Analysis

---

This chapter provides a description and overview of Path Analysis and contains the following topics:

- [Path Analysis Operation, page 20-1](#)
- [Call Detail Records Logging, page 20-2](#)
- [Path Analysis Configuration Checklist, page 20-2](#)
- [Where to Find More Information, page 20-3](#)

Using Path Analysis with Cisco CallManager requires the installation of the Common Management Foundation 1.1.1 Voice Manager patch on the CiscoWorks2000 server.

## Path Analysis Operation

Path Analysis, a diagnostic application, traces connectivity between two specified points on a network. It analyzes both physical and logical paths (Layer 2 and Layer 3) that are taken by packets that flow between those points.

After a call completes, PathTool traces the route of audio packets by specifying the directory number of the calling and called parties. This applies to calls among any of the following endpoints: Cisco IP Phones, analog devices that are connected to a station gateway, or trunk gateways (analog or digital).

For more information, consult CiscoWorks2000 online help.

The information that is presented here assists you in setting up Cisco CallManager. You can display the paths that are traced in the form of maps, trace logs, or tables in CiscoWorks2000 Campus Manager.

## Call Detail Records Logging

You can activate voice over IP (VoIP) traces only when Cisco CallManager is installed with call detail record (CDR) logging enabled. The default status specifies disabled.

## Path Analysis Configuration Checklist

Table 20-1 provides an overview of the steps for configuring Path Analysis.

**Table 20-1 Path Analysis Configuration Checklist**

Configuration Steps		Related Procedures and Topics
<b>Step 1</b>	Review Cisco AVVID network management documentation for path analysis information.	<i>Cisco IP Telephony Network Design Guide</i> <a href="http://www.cisco.com/univercd/cc/td/doc/product/voice/ip_tele/network/">http://www.cisco.com/univercd/cc/td/doc/product/voice/ip_tele/network/</a>
<b>Step 2</b>	Install the Common Management Foundation 1.1.1 Voice Manager patch on the CiscoWorks2000 server.	CiscoWorks2000 user documentation: <a href="http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm">http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm</a>
<b>Step 3</b>	Enable CDR logging.	<a href="#">Setting Up Call Detail Records Logging</a> , <i>Cisco CallManager Serviceability Administration Guide</i>

# Where to Find More Information

## Related Topics

- [Chapter 19, “CiscoWorks2000”](#)
- [Chapter 25, “Overview of CiscoWorks2000,”](#) *Cisco CallManager Serviceability Administration Guide*

## Additional Cisco Documentation

- CiscoWorks2000 user documentation:  
<http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm>
- *Cisco IP Telephony Network Design Guide*  
[http://www.cisco.com/univercd/cc/td/doc/product/voice/ip\\_tele/network/](http://www.cisco.com/univercd/cc/td/doc/product/voice/ip_tele/network/)

■ Where to Find More Information