

# TCP and UDP Ports used by CiscoWorks LAN Management Solution

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## Contents

- [Introduction](#)
- [Prerequisites](#)
- [Requirements](#)
- [Components Used](#)
- [Conventions](#)
- [TCP and UDP Ports](#)
- [NetPro Discussion Forums - Featured Conversations](#)
- [Related Information](#)

## Introduction

This document lists the Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) ports used by CiscoWorks LAN Management Solution, and provides their corresponding function names.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document applies to all CiscoWorks LAN Management Solution versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

## TCP and UDP Ports

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In addition to the standard network ports, Cisco Works LAN Management Solution uses these TCP and UDP ports:

<b>Protocol</b>	<b>Port Number</b>	<b>Service Name</b>	<b>Applications</b>	<b>Direction (of Establishment) of Connection</b>
TCP	49	TACACS+ and ACS	CiscoWorks Common Services, RME, Campus, DFM and IPM	Server to ACS
TCP	25	Simple Mail Transfer Protocol (SMTP)	CiscoWorks Common Services (PSU), RME	Server to SMTP Server
TCP	22	Secure Shell (SSH)	CiscoWorks Common Services, Campus, and RME	Server to Device
TCP	23	Telnet	CiscoWorks Common Services, Campus, and RME	Server to Device
UDP	69	Trivial File Transfer Protocol (TFTP)	CiscoWorks Common Services and RME	Server to Device Device to Server
UDP	161	Simple Network Management Protocol (SNMP)	CiscoWorks Common Services, CiscoView, RME, Campus, DFM, IPM and HUM	Server to Device Device to Server
TCP	514	Remote Copy Protocol	CiscoWorks Common Services	Server to Device
UDP	162	SNMP Traps (Standard Port)	Campus and DFM	Device to Server
UDP	514	Syslog	CiscoWorks Common Services and RME	Device to Server

UDP	1431	Trap Listener to MAC Notification Traps	Campus	Device to Server
UDP	9000	DFM trap receiving (if port 162 is occupied)	DFM	Device to Server
UDP	16236	UT Host acquisition	Campus	End host to Server
TCP	443	CiscoWorks HTTP server in SSL mode	CiscoWorks Common Services	Client to Server Server Internal
TCP	1741	CiscoWorks HTTP Protocol	CiscoWorks Common Services, CiscoView, Campus, RME, DFM and IPM	Client to Server
UDP	42342	OSAGENT	CiscoWorks Common Services	Client to Server (for ANIServer)
TCP	42352	ESS HTTP (Alternate port is 44352/tcp)	CiscoWorks Common Services	Client to Server
TCP	8898	Log Server	DFM	Server Internal
TCP	9002	DynamID authentication (DFM Broker)	DFM	Server Internal
TCP	9007	Tomcat shutdown	CiscoWorks Common Services	Server Internal
TCP	9009	Ajp13 connector used by Tomcat	CiscoWorks Common Services	Server Internal
UDP	9020	DFM Trap Receiving	DFM	Server Internal
TCP	10002	OpsXML message bus, OpsXMLRuntime	CiscoWorks Assistant	Server Internal
UDP	14004	Lock port for ANI Server singlet on check	Campus	Server Internal
TCP	15000	Log server	DFM	Server Internal
TCP	40050-	CSTM ports used by CS applications, such	CiscoWorks Common	Server Internal

	40070	as OGS, Device and Credential Repository (DCR)	Services	
TCP	40401	LicenseServer	CiscoWorks Common Services	Server Internal
TCP	43242	ANIServer	Campus	Server Internal
TCP	42340	CiscoWorks Daemon Manager - Tool for Server Processes	CiscoWorks Common Services	Server Internal
TCP	42344	ANI HTTP Server	CiscoWorks Common Services	Server Internal
UDP	42350	Event Services Software (ESS) (Alternate port is 44350/udp)	CiscoWorks Common Services	Server Internal
TCP	42351	Event Services Software (ESS) Listening (Alternate port is 44351/tcp)	CiscoWorks Common Services	Server Internal
TCP	42353	ESS Routing (Alternate port is 44352/tcp)	CiscoWorks Common Services	Server Internal
TCP	43441	CMF Database	CiscoWorks Common Services	Server Internal
TCP	43455	RME Database	RME	Server Internal
TCP	43443	ANIDbEngine	Campus	Server Internal
TCP	43445	Fault History Database	DFM	Server Internal
TCP	43446	Inventory Service Database	DFM	Server Internal
TCP	43447	Event Promulgation Module Database	DFM	Server Internal
TCP	44400-44420	CSTM Port for DFM, HUM	DFM, HUM	Server Internal
TCP	47000-47040	CSTM Port for RME	RME	Server Internal
TCP	49154	UPMdbEngine	HUM	Server Internal
TCP	49155	OpsxmlDbEngine, JDBC / ODBC	CiscoWorks Assistant	Server Internal

TCP	49157	IPM Database	IPM	Server Internal
TCP	50001	SOAPMonitor	RME	Server Internal
TCP	55000-55020	CSTM Port for Campus Manager	Campus	Server Internal

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## Related Information

- [CiscoWorks Common Services Technical Support](#)
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- [CiscoWorks Resource Manager Essentials Technical Support](#)
- [CiscoWorks Device Fault Manager Technical Support](#)
- [CiscoWorks Interservice Performance Monitor Technical Support](#)
- [CiscoWorks LAN Management Solution Technical Support](#)
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