



Preface

Revised: December 8, 2017, OL-26299-01

This guide provides an overview of the Cisco Context Directory Agent (CDA) application, the high level architecture and how to use the CDA application. In addition, it describes how to install the CDA application, including the requirement on Active Directory to allow a successful connection with CDA.

The CDA provides the same functionalities as AD Agent 1.0 with the addition of a user interface for system configuration and dedicated operation system. The flows and semantics between the CDA and ASA, WSA, and DC remain the same as in AD Agent 1.0. However, the underlying implementation is changed and adhere to Cisco Identity Services Engine (ISE) technologies.

This preface covers the following topics:

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Scope

This guide is applicable only if you have installed the latest patch for CDA 1.0.

CDA patches introduce new functionality and it is recommended to install the latest patch. If you do not install the latest patch for CDA, the functional aspects described in [What's New in Cisco CDA](#) section of this guide will not be applicable.

Audience

This guide is written for network administrators who will be using the Cisco Context Directory Agent in their deployments. This guide assumes you have a working knowledge of networking principles and applications, and have experience as a network system administrator.

Document Organization Map

The topics in this guide are grouped into introduction, functional tasks, and reference categories, and are organized in the following way:

Chapter	Description
What's New in Cisco CDA	Provides a brief summary of the new features introduced in each CDA release.
Chapter 1, "Context Directory Agent Overview"	Provides an overview of the Cisco Context Directory Agent.
Chapter 2, "Installing the Cisco Context Directory Agent"	Provides details about how to install your Cisco Context directory Agent software, how to migrate from Cisco AD Agent to CDA.
Chapter 3, "Working with Context Directory Agent"	Provides step-by-step procedure on how to work with and use the Cisco Context Directory Agent.
Chapter 4, "CDA Command Reference"	Provides a list of CLI commands available in the Cisco Context Directory Agent and their usage.

Document Conventions

This guide uses the convention whereby the symbol ^ represents the key labeled *Control*. For example, the key combination ^z means "Hold down the **Control** key while you press the **z** key."

Command descriptions use these conventions:

- Examples that contain system prompts denote interactive sessions and indicate the commands that you should enter at the prompt. The system prompt indicates the current level of the EXEC command interpreter. For example, the prompt `Router>` indicates that you should be at the *user* level, and the prompt `Router#` indicates that you should be at the *privileged* level. Access to the privileged level usually requires a password.
- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are in *italic* font.
- Elements in square brackets ([]) are optional.
- Alternative keywords from which you must choose one are grouped in braces ({}) and separated by vertical bars (|).

Examples use these conventions:

- Terminal sessions and sample console screen displays are in *screen* font.
- Information you enter is in **boldface screen** font.
- Nonprinting characters, such as passwords, are in angle brackets (< >).
- Default responses to system prompts are in square brackets ([]).
- An exclamation point (!) at the beginning of a line indicates a comment line.



Caution

Means *reader be careful*. You are capable of doing something that might result in equipment damage or loss of data.



Timesaver

Means *the described action saves time*. You can save time by performing the action described in the paragraph.



Note

Means *reader take note*. Notes identify important information that you should think about before continuing, contain helpful suggestions, or provide references to materials not contained in the document.

Documentation Updates

The following table lists the creation and update history of this document.

Table 1 Updates to Installation and Configuration Guide for Cisco Context Directory Agent, Release 1.0

Date	Description
Oct 2015	Added and updated the following sections: <ul style="list-style-type: none"> • Connectivity Requirements, page 3 • Active Directory Servers, page 7 • Exporting Active Directory Servers, page 10 • Sending and Receiving Syslog Messages, page 13 • Adding and Editing Syslog Servers/Clients, page 13
July 2014	Added and updated the following sections: <ul style="list-style-type: none"> • Supported Active Directory Versions, page 2 • Active Directory Requirements for Successful Connection with CDA, page 4 • Permissions Required when an Active Directory User is a Member of the Domain Admin Group, page 7 • Permissions Required when an Active Directory User is Not a Member of the Domain Admin Group, page 8 • Configuring a Default Domain Name, page 17 • Live Logs, page 25
Jan 15, 2014	Added and updated the following sections: <ul style="list-style-type: none"> • Receiving Network Login Information from ISE and ACS, page 4 • List of Open Ports, page 3 • Importing Active Directory Servers, page 9 • Adding and Editing Syslog Servers/Clients, page 13 • Sending and Receiving Syslog Messages, page 13 • Configuring ISE to Forward User Login Events to CDA, page 15

Table 1 *Updates to Installation and Configuration Guide for Cisco Context Directory Agent, Release 1.0*

Date	Description
Feb, 2013	Updated the following sections: <ul style="list-style-type: none">• Scope, page ix• Active Directory Domain Controller Machines, page 4• Supported Active Directory Versions, page 2• Active Directory Requirements for Successful Connection with CDA, page 4• Adding and Editing Active Directory Servers, page 7• Active Directory General Settings, page 12
June, 2012	Cisco Context Directory Agent, Release 1.0

Related Documentation



Note

We sometimes update the electronic documentation after original publication. Therefore, you should also review the documentation on [Cisco.com](http://www.cisco.com) for any updates.

Release-Specific Documentation

[Table 2](#) lists the product documentation available for the Cisco Context Directory Agent Release 1.0.

Table 2 *Product Documentation for Cisco Context Directory Agent, 1.0,*

Document Title	Location
<i>Installation and Configuration Guide for Cisco Context Directory Agent, Release 1.0</i>	http://www.cisco.com/en/US/docs/security/ibf/cda_10/Install_Config_guide/cda10.html
<i>Release Notes for Context Directory Agent, Release 1.0</i>	http://www.cisco.com/en/US/docs/security/ibf/cda_10/release_notes/cda10_rn.html
<i>Open Source Licenses used in Context Directory Agent, Release 1.0</i>	http://www.cisco.com/en/US/docs/security/ibf/cda_10/open_source_doc/open_source.pdf

Other Related Documentation

Links to Adaptive Security Appliance (ASA) 5500 Series documentation and Cisco IronPort Web Security Appliance (WSA) documentation are available on Cisco.com at the following locations:

- Cisco ASA 5500 Series Adaptive Security Appliances Page
http://www.cisco.com/en/US/products/ps6120/tsd_products_support_series_home.html
- Cisco IronPort Web Security Appliances Page
http://www.cisco.com/en/US/products/ps10164/tsd_products_support_series_home.html

Notices

See http://www.cisco.com/en/US/docs/security/ibf/cda_10/open_source_doc/open_source.pdf for all the Open Source Licenses used in the Cisco Context Directory Agent, Release 1.0.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

