



About This Guide

The *User Guide for Cisco Prime Access Registrar, 6.0* provides information about how to use Cisco Prime Access Registrar (Cisco Prime AR) 6.0. This preface contains the following sections:

- [How This Book Is Organized, page xxxiii](#)
- [Obtaining Documentation and Submitting a Service Request, page xxxv](#)
- [Related Documentation, page xxxv](#)
- [Notices, page xxxv](#)

How This Book Is Organized

The Cisco Prime AR User Guide is organized as follows:

[Chapter 1, “Overview,”](#) provides an overview of Cisco Prime AR.

[Chapter 2, “Using the aregcmd Commands,”](#) provides information about using **aregcmd** commands.

[Chapter 3, “Using the Graphical User Interface,”](#) provides information about using the Cisco Prime AR GUI.

[Chapter 4, “Cisco Prime Access Registrar Server Objects,”](#) provides information about Cisco Prime AR server objects.

[Chapter 5, “Using the radclient Command,”](#) provides information about using **radclient** commands to test Cisco Prime AR.

[Chapter 6, “Configuring Local Authentication and Authorization,”](#) provides information about how to configure local authentication and authorization and helpful examples.

[Chapter 7, “RADIUS Accounting,”](#) provides information about RADIUS accounting and how to configure Cisco Prime AR to perform accounting.

[Chapter 20, “Using LDAP,”](#) provides information about using an LDAP remote server with Cisco Prime AR.

[Chapter 8, “Diameter”](#) provides information about how to configure Cisco Prime AR to perform diameter authentication and authorization, and also provides information about Diameter Accounting.

[Chapter 9, “Extensible Authentication Protocols,”](#) provides information about Cisco Prime AR support of EAP authentication methods.

[Chapter 10, “Using WiMAX in Cisco Prime Access Registrar,”](#) provides information about Cisco Prime AR support for the WiMAX feature.

[Chapter 11, “Using Extension Points,”](#) provides information about how to use Cisco Prime AR scripting to customize your RADIUS server.

[Chapter 12, “Using Replication,”](#) provides information about how to use the replication feature.

[Chapter 13, “Using On-Demand Address Pools,”](#) provides information about using On-Demand Address Pools.

[Chapter 14, “Using Identity Caching,”](#) provides information about using the Identity Caching feature.

[Chapter 15, “Using Trusted ID Authorization with SESM,”](#) describes how to use Cisco Prime AR with SESM, and how to configure Cisco Prime AR to use the Trusted ID feature.

[Chapter 16, “Using Prepaid Billing,”](#) provides information about how to use the Cisco Prime AR prepaid billing feature.

[Chapter 17, “Using Cisco Prime Access Registrar Server Features,”](#) provides information about using Cisco Prime AR features.

[Chapter 18, “Directing RADIUS Requests,”](#) provides information about using the Cisco Prime AR Policy Engine.

[Chapter 19, “Wireless Support,”](#) provides information about Cisco Prime AR support for wireless features.

[Chapter 21, “Using Open Database Connectivity,”](#) provides information about a new type of RemoteServer object and a new service to support ODBC.

[Chapter 22, “SIGTRAN-M3UA,”](#) provides information about SIGTRAN-M3UA remote server and a service to support EAP-AKA/EAP-SIM authentication.

[Chapter 23, “Using SNMP,”](#) provides information about the SNMP MIB and Trap support offered by Cisco Prime AR.

[Chapter 24, “Enforcement of Licensing Models,”](#) provides information on the enforcement of Cisco Prime AR’s new license model—transactions per second(TPS) Licensing.

[Chapter 25, “Backing Up the Database,”](#) describes the Cisco Prime AR shadow backup facility, which ensures a consistent snapshot of Cisco Prime AR’s database for backup purposes.

[Chapter 26, “Using the REX Accounting Script,”](#) describes how to use the REX Accounting scripts.

[Chapter 27, “Logging Syslog Messages,”](#) provides information about logging messages via syslog and centralized error reporting for Cisco Prime AR.

[Chapter 28, “Troubleshooting Cisco Prime Access Registrar,”](#) provides information about techniques used when troubleshooting Cisco Prime AR and highlights common problems.

[Appendix A, “Cisco Prime Access Registrar Tcl, REX and Java Dictionaries,”](#) describes the Tcl and REX dictionaries that are used when writing Incoming or Outgoing scripts for use with Cisco Prime AR.

[Appendix B, “Environment Dictionary,”](#) describes the environment variables the scripts use to communicate with Cisco Prime AR or to communicate with other scripts.

[Appendix C, “RADIUS Attributes,”](#) lists the RFC 2865 RADIUS attributes with their names and values. An index is also provided.

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 a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Related Documentation

The following is a list of documentation for Cisco Prime AR 6.0. You can access the URLs listed for each document at www.cisco.com on the World Wide Web. We recommend that you refer to the documents in the following order:

Cisco Prime Access Registrar 6.0 Documentation Guide (OL-26927)

http://www.cisco.com/en/US/docs/net_mgmt/prime/access_registrar/6.0/roadmap/guide/PrintPDF/ardocgd.html

Notices

The following notices pertain to this software license.

OpenSSL/Open SSL Project

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

This product includes software written by Tim Hudson (tjh@cryptsoft.com).

License Issues

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License:

Copyright © 1998-2007 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)".
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment:
 "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)".

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (ey@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License:

Copyright © 1995-1998 Eric Young (ey@cryptsoft.com). All rights reserved.

This package is an SSL implementation written by Eric Young (ey@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

“This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)”.

The word ‘cryptographic’ can be left out if the routines from the library being used are not cryptography-related.

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: “This product includes software written by Tim Hudson (tjh@cryptsoft.com)”.

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The license and distribution terms for any publicly available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution license [including the GNU Public License].

