Preface

About this Guide ......................................................... 1
Who should read this guide? .......................................... 2
Other Documentation .................................................... 2
Accepting Delivery of Pointsec PC Linux Edition .................. 2
Direct Delivery ............................................................ 2
Outside Carrier Delivery ................................................. 3
Electronic Download .................................................... 3
Remediating Unsuccessful Deliveries ............................... 4
System and Hardware Requirements ............................... 4

Chapter 1 Installing the Administrator's Package

About the Administrator's Package .................................. 6
Working with the Administrator's Package ........................ 6
Installing the Administrator's Package ............................. 7
Upgrading the Administrator's Package ........................... 7
Removing the Administrator's Package ............................ 8

Index ........................................................................ 13
Preface

Pointsec PC Linux Edition gives you enforceable and mandatory access control together with strong encryption in order to protect the information stored on your Linux laptops and workstations.

In This Chapter

About this Guide page 1
Accepting Delivery of Pointsec PC Linux Edition page 2
System and Hardware Requirements page 4

About this Guide

This guide is designed to get you up and running with Pointsec PC Linux Edition, and contains:

• This introductory chapter
• “Installing the Administrator’s Package” on page 5, which discusses the Pointsec PC Linux Edition components and how to install Pointsec PC Linux Edition’s administration tool, ppcadmin

Note - The Pointsec X9.9 token is used in examples where dynamic passwords are required.

Note - If a setting or dialog box is not documented, you do not need to change that setting.
Who should read this guide?

Administrators at organizations who are installing and/or deploying Pointsec PC Linux Edition and other Pointsec products should read this guide.

Note - We strongly recommend that anyone planning to install, deploy and/or manage Pointsec products attend certification training first. Contact your sales representative or visit www.checkpoint.com for more information.

Other Documentation

- Pointsec PC Linux Edition Release Notes
  Hardware and system requirements and the latest information on Pointsec PC Linux Edition
- Pointsec PC Linux Edition Administrator’s Guide
  Information for the management of Pointsec PC Linux Edition

Accepting Delivery of Pointsec PC Linux Edition

There are three methods of accepting a secure delivery of Pointsec PC Linux Edition:

- Direct Delivery
- Outside carrier delivery
- Electronic download in an e-package

See the following sections for more information.

Direct Delivery

With this delivery method, Pointsec PC Linux Edition is delivered directly to you by a Pointsec engineer. Before you accept delivery of Pointsec PC Linux Edition, always check the credentials of the Pointsec engineer.

The Pointsec PC Linux Edition CD-ROM case is sealed with three tamper-evident Pointsec stickers. Verify the authenticity of the package by ensuring that these stickers are unbroken and have not been tampered with in any way.
**Outside Carrier Delivery**

In this method of delivery, Pointsec PC Linux Edition is delivered to you directly using a third-party shipper, such as FedEx or DHL. Before you accept delivery of Pointsec PC Linux Edition, always check the credentials of the carrier.

The Pointsec PC Linux Edition CD-ROM case is sealed with three tamper-evident Pointsec stickers. Verify the authenticity of the package by ensuring that these stickers are unbroken and have not been tampered with in any way.

**Electronic Download**

In this method of delivery, you download Pointsec PC Linux Edition directly from the Internet as an e-package.

To access the Pointsec PC Linux Edition e-package, you must register for an account on the Pointsec server site.

The server site is protected with a Pointsec certificate. You must accept this certificate to access the site. Once logged in, you can see all the e-packages you have purchased.

At the site, you enter a request for a user account and fill in the required information. The account is registered and you receive an e-mail from Pointsec containing the information you need to log in and download the e-package. The e-mail also contains information on how to verify the authenticity of the e-package.

**Verifying the E-package**

Each downloaded Pointsec e-package consists of a ZIP file containing the Pointsec product and a text file, `product_file_name.txt`, containing the information you need to verify that the package has not been tampered with.

To verify that the e-package has not been tampered with, you use the command line utility `fsum.exe` or `md5sum` to compute the MD5 checksum for the ZIP file and compare it with the MD5 checksum in `product_file_name.txt`. If the checksums match, you know that the e-package has not been tampered with.


**To verify an e-package:**

1. Copy `fsum.exe`, the downloaded ZIP file and `product_file_name.txt` to a temporary folder and run the `fsum.exe` with the `-c` switch.
fsum.exe compares the checksum specified in product_file_name.txt to the checksum it computes using the MD5 algorithm for the ZIP file. If the checksum for the ZIP file matches the checksum in product_file_name.txt, the ZIP file is marked OK and you know that the e-package has not been tampered with.

Otherwise, the file is marked with the word FAILED. See “Remediating Unsuccessful Deliveries” on page 4 for more information if the verification fails.

2. Repeat this process for each Pointsec e-package you have purchased.

Remediating Unsuccessful Deliveries

If your Pointsec PC Linux Edition delivery shows signs of having been tampered with or the MD5 checksum you generate does not match the checksum in validate.txt, contact your Pointsec representative immediately for advice on how to proceed.

System and Hardware Requirements

See the Pointsec PC Linux Edition Release Notes for system and hardware requirements.
Chapter 1

Installing the Administrator’s Package

The following sections explain the components that comprise the Pointsec PC Linux Edition Administrator’s Package and how to install, upgrade and remove the package on an administrator’s workstation.

For information on deploying, managing and removing Pointsec PC Linux Edition on users’ workstations, see the section on working in ppcadmin in the Pointsec PC Linux Edition Administrator’s Guide.

In This Chapter

About the Administrator’s Package page 6
Working with the Administrator’s Package page 6
About the Administrator’s Package

The Pointsec PC Linux Edition Administrator’s Package consists of several programs. The main programs are:

Table 1-1  Administrator’s Package main programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppcadmin</td>
<td>ppcadmin is the administration tool, handling all settings and profile configuration and letting administrators provide users with Remote Help. For more information, see: • “Working with the Administrator’s Package” on page 6 in this document • Overview of ppcadmin in the Pointsec PC Linux Edition Administrator’s Guide • Chapter on Remote Help in the Pointsec PC Linux Edition Administrator’s Guide.</td>
</tr>
<tr>
<td>ppcdaemon</td>
<td>ppcdaemon periodically checks a specified path for new update profiles and upgrade software. When ppcdaemon finds a new profile, it processes and applies the profile. For more information, see the section on working with profiles in the Pointsec PC Linux Edition Administrator’s Guide.</td>
</tr>
<tr>
<td>ppclogin</td>
<td>ppclogin manages the authentication process and applies system settings.</td>
</tr>
<tr>
<td>ppcinstall</td>
<td>ppcinstall applies install profiles.</td>
</tr>
<tr>
<td>ppcrecovery</td>
<td>ppcrecovery lets administrators recover encrypted information. For more information, see the section on recovering information in the Pointsec PC Linux Edition Administrator’s Guide.</td>
</tr>
</tbody>
</table>

Working with the Administrator’s Package

The following sections explain how to install, upgrade and remove the Pointsec PC Linux Edition Administrator’s Package.

Note - Only version 2 of Logical Volume Management (LVM), which is used by default in RedHat Enterprise Linux WS and Fedora Core 5 for the partitioning of hard drives, is supported in Pointsec PC Linux Edition. Therefore, LVM version 1 should be disabled before Pointsec PC Linux Edition is installed or removed.
Installing the Administrator’s Package

The following section explains how to install the Pointsec PC Linux Edition Administrator’s Package.

Note - Always back up the workstation before installing Pointsec PC Linux Edition Administrator’s Package or its components.

To install the Administrator’s Package:

1. Copy the Pointsec PC Linux Edition distribution to a suitable directory on your Linux workstation and unpack it.

2. In the directory, run the following installation script:
   
   ```
   exec ppc_admin_install-<ppc release number>-<build number>.sh
   Example:
   ppc_admin_install-2.2.1-61.sh
   ```
   
   The script starts and displays the license agreement.

3. Read the agreement and enter **Yes** to agree to it.

4. Pointsec PC Linux Edition Administrator’s Package requires two user accounts to start. When prompted, enter the name of the user account. Enter and confirm a password for the account.

5. Repeat the step above for the second account.

   The installation script completes the installation.

6. Place the license file you have received from Check Point in the `/etc/ppc` directory with the name `cp.license`

   You can now access Pointsec PC Linux Edition Administrator’s Package. For further information, see the chapter on Accessing ppcadmin in the *Pointsec PC Linux Edition Administrator’s Guide*.

Upgrading the Administrator’s Package

The following section explains how to upgrade the Pointsec PC Linux Edition Administrator’s Package.

To upgrade the Administrator’s Package:

1. Copy the latest Pointsec PC Linux Edition distribution to a suitable directory on your Linux workstation and unpack it.

2. In the directory, run the following installation script:
   
   ```
   exec ppc_admin_install-<ppc release number>-<build number>.sh
   Example:
   ppc_admin_install-2.2.1-61.sh
   ```
The script starts and determines that Pointsec PC Linux Edition Administrator’s Package is already installed.

3. Place the license file you have received from Check Point in the /etc/ppc directory with the name cp.license.

Removing the Administrator’s Package

The following section explains how to remove Pointsec PC Linux Edition Administrator’s Package.

To remove the Administrator’s Package do one of the following:

• Deploy an uninstall profile. For information, see the section on Creating Uninstall Profiles in the Pointsec PC Linux Edition Administrator’s Guide.

• On clients, decrypt all devices and then run `rpm -e p4l`.

• In the ppcadmin Tools menu, under System settings select Uninstall.

After reboot, all encrypted devices will be decrypted and Pointsec PC Linux Edition Administrator’s Package will be removed.
THIRD PARTY TRADEMARKS AND COPYRIGHTS

Entrust is a registered trademark of Entrust Technologies, Inc. in the United States and other countries. Entrust’s logos and Entrust product and service names are also trademarks of Entrust Technologies, Inc. Entrust Technologies Limited is a wholly owned subsidiary of Entrust Technologies, Inc. FireWall-1 and SecuRemote incorporate certificate management technology from Entrust.

Verisign is a trademark of Verisign Inc.

The following statements refer to those portions of the software copyrighted by University of Michigan. Portions of the software copyright © 1992-1996 Regents of the University of Michigan. All rights reserved. Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to the University of Michigan at Ann Arbor. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided “as is” without express or implied warranty. Copyright © Sax Software (terminal emulation only).

The following statements refer to those portions of the software copyrighted by The Open Group.

THE SOFTWARE IS PROVIDED ‘AS IS’, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The following statements refer to those portions of the software copyrighted by The OpenSSL Project. 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 "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 Authors 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 following statements refer to those portions of the software copyrighted by Eric Young. 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 AUTHORS 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. Copyright © 1998 The Open Group.

The following statements refer to those portions of the software copyrighted by Jean-Ioup Gailly and Mark Adler Copyright (C) 1995-2002 Jean-Ioup Gailly and Mark Adler. This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

The following statements refer to those portions of the software copyrighted by the Gnu Public License. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

The following statements refer to those portions of the software copyrighted by Thai Open Source Software Center Ltd and Clark Cooper Copyright (c) 2001, 2002 Expat maintainers. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the “Software”), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED “AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR...
This software consists of voluntary contributions made by many individuals on behalf of the PHP Group. The PHP Group can be contacted via Email at group@php.net.

For more information on the PHP Group and the PHP project, please see <http://www.php.net>. This product includes the Zend Engine, freely available at <http://www.zend.com>.

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

Copyright (c) 2003, Itai Tzur <itzur@actcom.co.il>

All rights reserved.

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

Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Neither the name of Itai Tzur nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "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 COPYRIGHT OWNER 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.

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright © 2003, 2004 NextHop Technologies, Inc. All rights reserved.

Confidential Copyright Notice

Except as stated herein, none of the material provided as a part of this document may be copied, reproduced, distributed, republished, downloaded, displayed, posted or transmitted in any form or by any means, including, but not limited to, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of NextHop Technologies, Inc. Permission is granted to display, copy, distribute and download the materials in this document for personal, non-commercial use only, provided you do not modify the materials and that you retain all copyright and other proprietary notices contained in the materials unless otherwise stated. No material contained in this document may be "mirrored" on any server without written permission of NextHop. Any unauthorized use of any material contained in this document may violate copyright laws, trademark laws, the laws of privacy and publicity, and communications regulations and statutes. Permission terminates automatically if any of these terms or conditions are breached. Upon termination, any downloaded and printed materials must be immediately destroyed.

Trademark Notice

The trademarks, service marks, and logos (the "Trademarks") used and displayed in this document are registered and unregistered Trademarks of NextHop in the US and other countries. The names of actual companies and products mentioned herein may be Trademarks of their respective owners. Nothing in this document should be construed as granting, by implication, estoppel, or otherwise, any license or right to use any Trademark displayed in the document. The owners aggressively enforce their intellectual property rights to the fullest extent of the law. The Trademarks may not be used in any way, including in advertising or publicity pertaining to distribution of, or access to, materials in this document, including use, without prior, written permission. Use of Trademarks as a "hot" link to any website is prohibited unless establishment of such a link is approved in advance in writing. Any questions concerning the use of these Trademarks should be referred to NextHop at U.S. +1 734 222 1600.

U.S. Government Restricted Rights

The material in document is provided with "RESTRICTED RIGHTS." Software and accompanying documentation are provided to the U.S. government ("Government") in a transaction subject to the Federal Acquisition Regulations with Restricted Rights. The Government’s rights to use, modify, reproduce, release, perform, display or disclose are restricted by paragraph (b)(3) of the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause at DFAR 252.227-7014 (Jun 1995), and the other restrictions and terms in paragraph (g)(3)(i) of Rights in Data-General clause at FAR 52.227-14, Alternative III (Jun 87) and paragraph (c)(2) of the Commer-cial Computer Software-Restricted Rights clause at FAR 52.227-19 (Jun 1987).
Use of the material in this document by the Government constitutes acknowledgment of NextHop's proprietary rights in them, or that of the original creator. The Contractor/Licensor is NextHop located at 1911 Landings Drive, Mountain View, California 94043. Use, duplication, or disclosure by the Government is subject to restrictions as set forth in applicable laws and regulations.

Disclaimer

THE MATERIAL IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTIES OF ANY KIND EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO THE APPLICABLE LAW, NEXTHOP DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR OTHER VIOLATION OF RIGHTS. NEITHER NEXTHOP NOR ANY OTHER PROVIDER OR DEVELOPER OF MATERIAL CONTAINED IN THIS DOCUMENT WARRANTS OR MAKES ANY REPRESENTATIONS REGARDING THE USE, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE MATERIAL IN THIS DOCUMENT.

Limitation of Liability

UNDER NO CIRCUMSTANCES SHALL NEXTHOP BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF DATA OR PROFIT, ARISING OUT OF THE USE, OR THE INABILITY TO USE, THE MATERIAL IN THIS DOCUMENT, EVEN IF NEXTHOP OR A NEXTHOP AUTHORIZED REPRESENTATIVE HAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IF YOUR USE OF MATERIAL FROM THIS DOCUMENT RESULTS IN THE NEED FOR SERVICING, REPAIR OR CORRECTION OF EQUIPMENT OR DATA, YOU ASSUME ANY COSTS THEREOF. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT FULLY APPLY TO YOU.

Copyright © ComponentOne, LLC 1991-2002. All Rights Reserved.

BIND: ISC Bind (Copyright (c) 2004 by Internet Systems Consortium, Inc. ("ISC"))

Copyright 1997-2001, Theo de Raadt: the OpenBSD 2.9 Release

PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. Release 5 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service, Cambridge, England. Phone:
+44 1223 334714.

Copyright (c) 1997-2004 University of Cambridge All rights reserved.

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

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* 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.

* Neither the name of the University of Cambridge nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "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 COPYRIGHT OWNER 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.
Index

A
Administrator's Package
   about 6
   installing 5, 7
   removing 8
   upgrading 7
   audience 2

U
upgrading Administrator's Package 7

W
who should read this guide? 2

D
delivery
   accepting 2
   direct 2
   electronic download 3
   outside carrier 3

I
installing Administrator's Package 5, 7

O
other documentation 2

P
ppcadmin 6
ppdaemon 6
ppinstall 6
pplogin 6
pprecovery 6

R
removing Administrator's Package 8