



## **README for PowerKeeper Version 4.0**

Copyright 2007-2009 by BeyondTrust Software, Inc.

All Rights Reserved.

### **December 18, 2009, Revision 0**

This document is current as of the date of publication. The most current version of the README is available from the BeyondTrust Web site at [www.BeyondTrust.com](http://www.BeyondTrust.com).

Thank you for your interest in BeyondTrust's world-class security products. This document provides information related to PowerKeeper, including all platforms supported by PowerKeeper's automatic password functionality.

The contents of this document, particularly the list of supported systems and the associated level of support, is subject to change at any time.

This document contains the following sections:

- Supported Platforms and Devices

- Supported A2A Client Platforms

- Supported Virtualization Host Platforms

- How to Obtain PowerKeeper Appliances

- How to Obtain PowerKeeper Patches and Manuals

- Upgrade and Operating System Patches

- Installation of PowerKeeper Patches

- Obtaining Accounts and Licenses

- BeyondTrust Support Policy

- How to Contact BeyondTrust



## Supported Platforms and Devices

The following lists the platforms and devices supported for automatic management as of the date of this document:

Device	Device Version	Security Level	Using PowerBroker
AIX	5.1	SSH DSS	Yes
AIX	5.2	SSH DSS	Yes
AIX	5.3	SSH DSS	Yes
AS/400	OS/400 V5R3		
Avocent ACS & MPT	2.6.0+	SSH DSS	
Cisco PIX	7.1(2)	SSH	
Cisco Router (SSH)	IOS 12.4+	SSH	
Cisco Router (TEL)	IOS 12.3+		
HP iLO	2.0+	SSH DSS	
HP-UX Trusted	11.00	SSH DSS	Yes
HP-UX Trusted	11.11	SSH DSS	Yes
HP-UX Trusted	11.23	SSH DSS	Yes
HP-UX Trusted	11.31	SSH DSS	Yes
HP-UX Untrusted	11.00	SSH DSS	Yes
HP-UX Untrusted	11.23	SSH DSS	Yes
HP-UX Untrusted	11.31	SSH DSS	Yes
IBM z Series RACF	1.8+	SSH DSS	
Linux	2.4+	SSH DSS	Yes
Linux (Suse 10)	10	SSH DSS	Yes
MacOS PowerPC	10.5+	SSH DSS	Yes
MacOS Intel	10.5+	SSH DSS	Yes
Microsoft SQL Server	6.0+		
Netscreen 5XP	5.0+	SSH	
Nokia-IPSO	3.8+	SSH DSS	
Oracle Enterprise Edition	8.0+	OAS	
Solaris	8.0	SSH DSS	Yes
Solaris	8.0	SSH DSS	Yes
Solaris	9.0	SSH DSS	Yes
Solaris	10.0	SSH DSS	Yes
Solaris Zones	10.0	SSH DSS	
Sybase ASE	12.5.1+		
VMware ESX	3.0	SSH DSS	
VMware ESX	3.5	SSH DSS	
Windows	XP	NTLMv2	
Windows	Vista	NTLMv2	
Windows (desktop)	2000	NTLMv2	



<b>Device</b>	<b>Device Version</b>	<b>Security Level</b>	<b>Using PowerBroker</b>
Windows Active Directory	2000	NTLMv2	
Windows Active Directory	2003	NTLMv2	
Windows Active Directory	2008	NTLMv2	
Windows Active Directory TLS	2003	SSL/TLS	
Windows Server	2000	NTLMv2	
Windows Server	2003	NTLMv2	
Windows Server	2008	NTLMv2	

The UNIX and Linux platforms typically include PowerBroker support.

## Supported A2A Client Platforms

The following lists the platforms that support the PowerKeeper A2A Client Library as of the date of this document:

<b>Platform</b>	<b>Version</b>	<b>Native Width</b>
AIX PowerPC	5.1, 5.2, 5.3	32-bit
HP-UX PA-RISC	11.0, 11.11, 11.23	32-bit
HP-UX PA-RISC	11.0, 11.11, 11.23	64-bit
Linux x86	2.4, 2.6	32-bit
Linux x64	2.4, 2.6	64-bit
Solaris i386	5.8, 5.9, 5.10	32-bit
Solaris Sparc	5.8, 5.9, 5.10	32-bit
Windows Server	2000	32-bit
Windows Server	2003	32-bit
Windows	XP SP2	32-bit

Additional platforms are currently in development and will be made available through the BeyondTrust web site once they are certified.

## Supported Virtualization Host Platforms

The following lists the virtualization platforms that are currently supported:

<b>Platform</b>	<b>Version</b>	<b>Guest Bit Width</b>	<b>Certified Host OS</b>
VMware ESX	3.5 U2 or later	32-bit	
VMware Workstation	6.5 or later	32-bit	Windows x86
VMware Fusion	2.0 or later	32-bit	Mac OS X
VMware ESXi	4.0 or later	32-bit	Native
VMware Server	2.0 or later	32-bit	Windows x86 and Linux x86



**Note:** BeyondTrust has extensively tested the virtualization platforms listed under the Certified Host OS column. BeyondTrust has not yet certified the other platforms; however, BeyondTrust expects that customers may successfully use these platforms absent certification.

**Note:** Although it is technically possible to install the PKVA in other virtual machine environments, the PKVA has been tested in only those environments that are listed above. BeyondTrust Technical Support cannot assist you in installing PKVA in other environments.

## How to Obtain PowerKeeper Appliances

PowerKeeper appliances are shipped directly to customers. For more information, please contact your BeyondTrust Sales Representative (see the section “How to Contact BeyondTrust”).

## How to Obtain PowerKeeper Patches and Manuals

PowerKeeper upgrade files, patches and manuals are available from the BeyondTrust website.

The PowerKeeper documentation set consists of several PDF files. You need Adobe® Acrobat Reader® to read these files. This program is free and available for download at:

<http://www.adobe.com/products/acrobat/readstep2.html>

### Website Access

On [www.BeyondTrust.com](http://www.BeyondTrust.com), make a selection from **SUPPORT > Downloads > PowerSeries** and select **PowerKeeper** from the product list.

A username and password is required to access PowerKeeper materials from the Web site (see the section “Obtaining Accounts and Licenses”).

## Upgrade and Operating System Patches

As a way to perform maintenance on the PowerKeeper appliance, BeyondTrust issues occasional PKPatches.

BeyondTrust encourages customers to upgrade to the latest available version. Upgrade and operating system patches need only be applied to the PowerKeeper appliance (the PowerKeeper Primary appliance in an HA configuration). No other systems need to be upgraded or are affected.

PKPatches are available only through the website (see the section “Website Access”).

## Installation of PowerKeeper Patches

Review the *PowerKeeper Release Notes* for your version of PowerKeeper PKPatch to determine whether PKPatches are cumulative for your version. See the *PowerKeeper Release Notes* for detailed information about specific upgrade PKPatches.



**Note:** When applying the PKPatch to a PowerKeeper HA pair, only the Primary appliance should be patched. The Replica appliance will receive the update automatically from the Primary appliance.

Download PKPatch files from the BeyondTrust website. If you do not have a username and password to access the website download area, contact your BeyondTrust Sales Representative.

For more information about installing PowerKeeper patches, see the *PowerKeeper User Guide*.

## MD5 Hash

An MD5 hash is a code generated from the contents of a file. Files that are different (even by only one character) will have different MD5 hashes.

To verify the authenticity of the PKPatch you have downloaded, you must run it through an MD5 hash generation program. If the code you get from the hash program on your computer matches the hash code in the MD5 checksum file, you can be assured that the file is identical and has not been tampered with.

Macintosh OS X and most flavors of Linux have a built-in MD5 program to generate hash codes. To generate the hash code for a file, use the following from a command line:

```
md5 patchname.zip
```

or

```
md5sum patchname.zip
```

There are many third-party MD5 hash programs available for Windows that are available from the web. Search for "MD5 download".

## Obtaining Accounts and Licenses

PowerKeeper guides and PKPatches are downloadable from the BeyondTrust Web site at [www.BeyondTrust.com](http://www.BeyondTrust.com). A username and password is required to access PowerKeeper materials from the [www.BeyondTrust.com](http://www.BeyondTrust.com) web site. If you do not have a current username and password, contact your BeyondTrust Sales Representative.

## Licenses

The PowerKeeper appliance will not run without a valid license. For evaluation purposes, the appliance is loaded with a 25-system license.

Additional licensing is obtained by contacting your BeyondTrust Sales Representative.

## BeyondTrust Support Policy

BeyondTrust provides bug fixes for PowerKeeper versions before their End of Maintenance date. When a new version is released, the End of Maintenance date is established for the prior version. This date is 27 months after the release date for the new version. The End of Maintenance date for the newest version will be not established until the next version comes out. Therefore, the End



of Maintenance for the newest version is always at least 27 months from the current date. During this period, BeyondTrust will provide Technical Support and bug fixes. After a version has passed its End of Maintenance date, BeyondTrust will continue to provide Technical Support but will no longer provide bug fixes or code upgrades on those versions.

## How to Contact BeyondTrust

You may contact BeyondTrust Software by mail, phone or e-mail (the preferred method). If you are not able to reach a BeyondTrust Sales or Technical Support Representative, you may use the PowerKeeper support e-mail: **pk-support@BeyondTrust.com**.

### **BeyondTrust Software, Inc.**

30401 Agoura Road

Suite 200

Agoura Hills, CA 91301

Phone: +1 (800) 234-9072 (General Questions)

+1 (818) 575-4040 (Technical Support)

Fax: +1 (818) 889-1894

E-mail: [pk-support@BeyondTrust.com](mailto:pk-support@BeyondTrust.com)

Web: <http://www.BeyondTrust.com>