

## Product Release Information

Product: Cyberoam  
Release Number: 9.4.1 build 0  
Release Date: 13th February, 2007

Compatible versions: V 9.4.0.x

Upgrade procedure: Manual<sup>1</sup>

Download upgrade from: <http://download.cyberoam.com/version9/upgrade.cyberoam.9410>

Customer Support: For more information or support, please visit [www.cyberoam.com](http://www.cyberoam.com) or email at [support@cyberoam.com](mailto:support@cyberoam.com)

## Contents

<b>Introduction .....</b>	<b>2</b>
<b>New Features .....</b>	<b>2</b>
1. Real time Spam detection using Recurrent-Patterns Detection (RPD) technology.....	2
2. PPPoE support for WAN connectivity .....	2
3. SNMP support.....	2
4. Automatic upgrade of IDP signature database.....	2
5. PPTP VPN tunnel support.....	2
6. Default Internet Access Policy for HTTP Proxy mode.....	2
7. HTTP Proxy signature in IDP .....	3
8. SSO Auto setup for multiple ADS.....	3
<b>Enhancements.....</b>	<b>4</b>
1. Reduced Cyberoam Startup time .....	4
2. Rebuild Firewall state from Telnet Console.....	4
3. DDNS support for NATed IP address.....	4
4. Multiple IP address support in Bridge mode.....	4
5. Session timeout support for Web Admin Console.....	4
6. Cyberoam Version Migration support from Telnet Console .....	4
7. Dashboard.....	4
8. Alert mail for change of Gateway state .....	4
<b>Bug fixes .....</b>	<b>5</b>
<b>How to Report Problems .....</b>	<b>6</b>

<sup>1</sup> See User Guide (Document Version 9410-2.0-24/01/2007 - page number 235) for more information

## Introduction

This document contains the release notes for Cyberoam version 9.4.1 build 0. The following sections describe the release in detail and provide other information that supplements the main documentation.

This is a major release with many new features and features enhanced in response to several bug reports that improves quality, reliability, and performance without adding any new functionality.

Refer to Cyberoam User Guide, VPN Management Guide for the further information. Online Help can also be found by clicking Help icon from any of the pages of the Web Administrative Console.

## New Features

### 1. Real time Spam detection using Recurrent-Patterns Detection (RPD) technology

Cyberoam can now monitor and proactively detect recurrent patterns in spam attacks and combat most of the email-borne spam threats including:

- Image-based, text, HTML based mails
- Multi-language mails

### 2. PPPoE support for WAN connectivity<sup>2</sup>

With PPPoE (Point to Point Protocol over Ethernet) support, Cyberoam can now be used as a PPPoE client to allow Internet connectivity through a port configured to use dynamic addressing scheme. This is required to connect to the Internet over a DSL connection using the PPP over Ethernet protocol.

### 3. SNMP support<sup>3</sup>

Now Cyberoam can be configured as an SNMP agent to report system information like Cyberoam Appliance details and versions of various components (WebCat, Anti Virus, Anti Spam, IDP), resource statistics like CPU usage, disk usage, memory usage, flooding details, Virus detected etc. Refer to User Guide for the complete list of information.

### 4. Automatic upgrade of IDP signature database

IDP signatures database will now be updated automatically once in a day.

### 5. PPTP VPN tunnel support<sup>4</sup>

Cyberoam now is able to create PPTP tunnel with other clients allowing users to create sub-networks inside the corporate Network. Point-to-Point Tunneling Protocol (PPTP) allows single Internet based hosts to access internal network services through an encrypted tunnel.

### 6. Default Internet Access Policy for HTTP Proxy mode

By default, 'Allow All' Internet Access Policy will be applied, if Cyberoam is operating in HTTP Proxy mode i.e. all the users will be allowed access without authentication. One can change the default Internet Access policy to 'Deny All' if access is to be provided with authentication.

<sup>2</sup> See User Guide (Document Version 9410-2.0-24/01/2007 - page number 151) for more information

<sup>3</sup> See User Guide (Document Version 9410-2.0-24/01/2007 - page number 163) for more information

<sup>4</sup> See VPN Management Guide (Document Version 9410-1.0-06/01/2007 - page number 61) for more information

## **7. HTTP Proxy signature in IDP**

IDP Signatures database includes “HTTP Proxy” signature under the Category – “cyberoam signatures” which can be used to detect and block HTTP proxy traffic. This option is particularly helpful in blocking public proxies over standard and non-standard ports.

## **8. SSO Auto setup for multiple ADS**

## Enhancements

### 1. Reduced Cyberoam Startup time

After restarting Management services:

- time required by Cyberoam to restart traffic flow is reduced to now less than one fourth of the earlier versions
- time required to access Cyberoam Web Management Console is now less than half of the earlier versions

### 2. Rebuild Firewall state from Telnet Console

This option will re-apply all the firewall rules one-by-one instead of just restoring the previous state. Take note that this operation would take time to execute as each firewall rule re-applied. Use this option only when firewall state has to be rebuilt in case of unexpected behavior.

### 3. DDNS support for NATed IP address<sup>5</sup>

When Cyberoam Appliance has a static domain with private IP address and NAT router is between Cyberoam and DDNS server, it is necessary to update the DDNS server when IP address for the domain changes. With introduction of this feature, DDNS server automatically detects and uses the IP address of NAT router that has a public IP address.

### 4. Multiple IP address support in Bridge mode

It is possible to assign multiple IP addresses to Cyberoam when deployed in bridge mode.

### 5. Session timeout support for Web Admin Console

Now user will automatically be logged off and will be prompted with a Cyberoam login page if session remains idle for 30 minutes.

### 6. Cyberoam Version Migration support from Telnet Console

### 7. Dashboard

1. Gateway status is now displayed on Dashboard.
2. Dashboard is the default page after logon.

### 8. Alert mail for change of Gateway state

Cyberoam now generates an alert mail when a gateway state changes from reachable to unreachable and vice versa. This happens only when multiple gateways are defined in Cyberoam.

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<sup>5</sup> See *User Guide (Document Version 9410-2.0-24/01/2007 - page number 150)* for more information

## Bug fixes

The purpose of this list is to give an overview of the bugs fixed in the current release. The ID denotes the internal Cyberoam bug tracking ID and the description explains problem.

### Defect ID - 2355

Description - Cyberoam fails to open HTTP client page if configured as HTTP Proxy in Bridge mode.

### Defect ID - 2356

Description – File type icons were not displayed in the browser if Cyberoam was configured a FTP over HTTP Proxy.

### Defect ID – 2357

Description – Cyberoam Appliance models CR1000i and CR1500i did not correctly identify applications in traffic discovery and applications category.

### Defect ID – 2293

Description - Cyberoam reported all the accepted mails as SPAM mails, if “Accept” action was defined in an Anti Spam policy. Hence SPAM report included SPAM mails as well as valid mails in the spam category.

## How to Report Problems

If you have problems with your system, contact customer support using one of the following methods:

- Email id: [support@cyberoam.com](mailto:support@cyberoam.com)
- Telephonic support
  - Asia Pacific, Australia & New Zealand: +91-79-66065777, +91-79-26400707
  - USA & Other Countries: +1-201-484-7733/7581, +1-866-663-CYBR (toll free)

Please have the following information available prior to contacting support. This helps to ensure that our support staff can best assist you in resolving problems:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or dumps

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