

**This document provides information to install and use
eScan Anti-Virus for Linux Desktop**

**Users' Guide
eScan Anti-Virus for Linux**



eScan Anti-Virus Users' Guide for Linux

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Table of Contents

Welcome	4
CONTACT US	5
About MicroWorld.....	7
FEATURES OF ESCAN FOR LINUX.....	8
Getting Started.....	9
SCREEN COMPONENTS	9
On Demand Scanner (ODS)	11
OPTIONS	11
VIRUS CHECK	11
STARTUP.....	14
UPDATE	14
LOG.....	15
Status	16
Actions.....	17
CHECK SELECTED DIRECTORIES/FILES.....	17
CHECK ALL HOME DIRECTORIES	18
CHECK COMPUTER	18
CHECK RUNNING PROCESSES.....	19
Scheduler.....	20
JOB.....	21
ANALYSIS	21
SCHEDULE.....	22
VIRUS CHECK	22
Log	23
Index	24

Welcome

The increasing use of Linux as an alternate operating system has increased the number of viruses target Linux machines. eScan for Linux provides protection for Linux based systems from viruses. The software works as an 'on-demand' scanner and you can execute it as and when you need to scan a file, directory,. This document provides information to use eScan for Linux.

This guide is organized into separate chapters.

Overview: Provides overview of MicroWorld. Also listed are detailed [Features of eScan](#)

[Getting Started](#) Gives a list of key symbols and their functions.

eScan On Demand Scanner (**ODS**): ODS allows you to scan your system, files, directories when needed. This chapter explains key features of On Demand Scanner and how to use them to protect your system from virus and other threats.

Contact Us

We offer 24x7 support to our customers through e-mail, telephone and Chat.

Chat Support

- Chat with our support team at '**escanchat**' using: AOL; MSN or Yahoo messenger service.

E-Mail Support

- If you have any queries about our products or have suggestions and comments about this guide, please send them to support@mwti.net.

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About MicroWorld

MicroWorld is one of the leading solution providers in the areas of content security and Anti-Virus products. With its corporate headquarters in New Jersey, USA and development center in Mumbai, India, we offer round-the-clock support, through our regional offices and over 10,000 channel partners spread across the globe. This section provides information about eScan for Linux operating systems. Details about its features, how to use it; what to do when you have a virus etc is provided.

The increasing use of Linux as an alternate operating system has increased the number of viruses target Linux machines.

eScan for Linux checks your system, removable drives and files for viruses. eScan is also designed to understand different file types, data-streams and compression formats. It can look inside data-streams and identify complex file architecture. It has a user-friendly interface and automatically downloads Updates from our download site.

Features of eScan for Linux

The main features and tasks eScan does for you are:

Detects Viruses on Demand: Protects applications and Operating Systems by detecting viruses when you want.

Easy to Manage and Control: Easy to manage and control with features such as automated installation, automatic downloads of updates.

Comprehensive Object Management: eScan understands different file types, compression formats and data streams












Fast Updates reduce download time: eScan downloads the latest Anti-Virus Updates quickly and efficiently. Using an incremental update procedure, it downloads only the changes in the virus pattern file. This ensures that downloads are restricted to only fresh items and you do not download older material.


Getting Started

This chapter gives details of standard conventions used in this guide. Also included are components of a typical user interface, how to navigate the screens, meanings of various symbols and buttons, types of fields and how to enter values in them.

Screen Components

Typical screen components are explained below:

Screen Component	Function
	Allows you to view status of On Demand Scanner (ODS) activity.
	Allows you to run Virus Checks .
	Allows you to Schedule Scan Settings to scan your system at a predetermined time.
	Provides a log of ODS activity
	Exits from the application
	Checks your running process, system memory
	Checks your system for viruses
	Checks specific home directories for viruses
	Allows you to set options for virus checks like type of scanning action to be taken when infected files are detected.
	Provides a quick link to the MicroWorld website where information about the latest viruses is available.
	Access the online help.


Screen Component	Function
	Provides information about MicroWorld Technologies Inc. the creator of eScan for Linux.

On Demand Scanner (ODS)

On Demand Scanner helps you to immediately scan your system for viruses and other threats. It also has the **eScan Anti-Virus Toolkit** that allows you to scan your system and files for memory resident viruses.

Options



- Select . The *Options* dialog box is displayed. There are four tabs that allow you to set scanning options

Virus Check

This screen allows you to specify action to be taken when infected files are detected, set the priority for scanning, specify file types that should be scanned and select settings that should be followed during scanning.

Fields are explained in the following table.

Field	Description

Field	Description
In case of an infection	<p>You can specify the action to be taken when virus infected files are detected. Drop down box displays the actions and you can select a suitable action:</p> <p>Automatic: Default value. eScan takes automatic action for infected files.</p> <p>Prompt Required Action: eScan displays a message asking you what to do with the infected file.</p> <p>Log only: Details of the infected file with the file name and path are stored in the logs. No other action is taken and scanning of other files continues.</p> <p>Disinfect (if not possible, rename file): eScan tries to disinfect the infected file. If this is not possible, then the file is renamed. This prevents infection from spreading.</p> <p>Disinfect (if not possible, delete file): eScan tries to disinfect the infected file. If this is not possible, then the file is deleted.</p> <p>Rename infected file: eScan renames the file without trying to disinfect it.</p> <p>Delete infected file: eScan deletes the file without trying to disinfect it.</p>

Field	Description
Settings	<p>The frame allows you to select the objects that will be automatically scanned and also other actions. Names of the objects are given beside a check box. To select the object, click the checkbox. The objects in the screen are:</p> <p>Packed Files: Files that specially compressed executables created to reduce file size.</p> <p>Mail Databases: Scans the database of your mail server</p> <p>Recursive: Scans directories and their sub directories recursively</p> <p>Heuristic: The system is checked for unusual sequence, pattern or content and when such files are detected, the software displays an alert message.</p> <p>Archived Files: Scans zipped files.</p> <p>Plain Mail Files: Scans mails in plain text format</p> <p>Unknown Virus Modifications: Scans files that are probably modified after viruses infected them</p> <p>Cross File System: In Linux you have different file systems mounted at different location. Crossing the file systems means checking files on different partitions and/or network mounted file systems.</p> <p>Self Extracting Archived File: Scans files that are of self extracting type.</p>
Symbolic Links	Allows you to specify symbolic links

- Click **Ok** to save changes you have made or **Cancel** to discard them.

Startup

The startup tab allows you to specify attributes that should be run or displayed on the eScan screen at startup.

Alert if Virus Definitions are: You can select the number of days after which, if updates are not downloaded, an alert is displayed.

Do a Scan of ALL Running Processes at Startup: At startup, all processes that are running are checked for memory resident and other viruses.

Update

MicroWorld technologies stores the latest anti-virus signatures also called Updates, on dedicated mirror download sites. These are available for free downloads. You can configure your system so that it connects to the sites automatically at a fixed time and downloads updates.

Updates are typically a few KB in size and take just a few seconds to download. The feature should be always active.


Field	Description
Update Server	Enter the server path from which updates are downloaded
Use Proxy	<p>If you use a proxy to download updates, select the check box. Enter the IP of your proxy server and the port number.</p> <p>If User Authentication is needed, then enter the user name and password.</p>

Log

This Log menu allows you to specify the path or location where the Log of anti-virus activity is stored.

Status



This menu provides the Status of anti-virus activity in your system. Click .

Status is given about the following items:

Engine Version: Displays version number of eScan for Linux currently running on your system.


Date of virus signature: Date when last virus signature was downloaded.

Virus Count: Total number of viruses that can be detected and removed by the last virus signature

Reload Virus Signatures: Virus signatures are loaded/reloaded in the AV engine

Manual Update: Allows you to manually download updates.

??Actions eScan allows you to detect and clean viruses from your system, specific directories and files, floppy and zip drives and even CD ROMs. In the case of CD ROMs, since it is read only, it is possible to only detect viruses and you cannot remove them.

- Click  and Start
- The Virus Check screen is displayed. You can select objects to set them up for scanning. The objects that can be scanned are explained in the next sections.

Check selected directories/files

You can scan a specific files or directory using this option. To select and scan a specific file or directory,

click  .

- A dialog box showing your directory structure is displayed. Expand the nodes and select the file or directory to be scanned.
- Click Done. The selected item is scanned for viruses.

Check all home directories

You can scan all the home directories Home directories are specific to a user. Only the administrator of the machine can alter the system files.

- Click . The **Scan Process** screen is displayed.

The scan process box is displayed and it shows statistics like total number of files scanned, total number of files disinfected, deleted, and renamed. The total number of errors is also shown

Check Computer

This menu allows you to scan your system for viruses.


- To check your computer for viruses, click  and **Start**. Scanning of your system is started.

The scan process box is displayed and it shows statistics like total number of files scanned, total number of files disinfected, deleted, and renamed. The total number of errors is also shown.

The lower frame lists the infected file name, its path and the status.


Check running processes

This menu allows you to check your system, memory and processes running in the background for memory resident and other viruses.

- To check your systems memory click  and **start**.
- The eScan Anti-Virus Tool Kit is run. Starts scanning of your system. The frame **Files Scanned** shows names of scanned files. The frame **Results**, show scanning results.
- Select **Log** to see details of files scanned. To stop scanning, select **Cancel**.

Scheduler

eScan allows you to set a schedule to auto scan your system at any hour or day. This feature ensures that periodic scanning is carried out and even if you forget to scan, eScan will do the work automatically. If you need to go elsewhere for a short while from your system (lunch break) you can schedule the scan during this time.

- To set a schedule for scanning, click . The Automatic Virus Check screen is displayed.
- A list of schedules, already created is displayed on the screen. Schedule name, time when it should start, when it is next due and the last time the schedule was run are displayed.

- To delete a schedule, select the schedule from the list and click Delete.
- To create a new schedule, click Add. The Automatic Virus Check screen is displayed.
- There are four tabs and they are explained in the next sections.

Job

This tab allows you to assign a name for the schedule. Enter a name for the schedule. After you save the entries, the name is listed in the Schedule screen.

Analysis

This tab allows you to specify what objects should be scanned in the schedule. You can either choose to scan your systems hard drives or specify files and directories to be scanned

Fields are:

Check local hard drives: System hard drives and all directories are scanned.

Check following directories and files You can select specific files and directories to be included in the schedule. Click the adjacent browse button. Make the selections as explained and click **Ok**. The selected files and directories are displayed in the bottom display box.

??ScheduleThe tab allows you to set the time when auto scanning should be started. Features of the screen are:

- Radio buttons in Execute frame allow you to specify the hour and minute for the scan to run Once, Hourly, Daily, Weekly, Monthly.
- Spin buttons allow you to set the hour in the Time frame. Based on the radio button selected in the Execute frame, additional buttons are displayed in the Time frame.


Virus Check

This screen allows you to specify the action to be taken when infected files are detected, set the priority for scanning, specify file types that should be scanned.

Fields are explained in [Virus Check](#).

- Click **Save** to accept the settings. The new job is listed in the main Schedule screen.

Log

eScan provides a detailed Log of anti-virus activity. Click.  to view the Records screen. Details of eScan version, files and directories scanned, etc. are displayed.

Index

About MicroWorld	7
Actions	17
Active/inactive	16
All subfolders	11
Analysis Extent	21
At	14
Automatic Updates	14
Check CD ROM	18
Check directories/files	18
Check disk	17
Contact Us	5
Copyright Notice	2
Daily	22
Default	12
Definitions	14
Details	7, 12, 23
Disinfect	12
features	4, 8
Features XE	4, 8
Getting Started	4, 9
Hourly	22
Monthly	22
New	20
Once	22
Options	11
Overview	4
Processes	14
sales enquiry	6
Save	22
Schedule	9, 20, 21, 22
Schedule Virus Check	22
Screen Components	9
Services	2, 6
Startup	14
Status	16
Table of Contents	3
User	1, 2, 15
Weekly	22