

# White Paper eScan for Linux Server

eScan for Linux (eScan) is a real-time virus scanning software for workstations and servers running on Linux.. It offers a complete and reliable anti-virus security solution that detects and removes over 1,00,000 viruses, Trojans and other threats. This white paper explains the key features of eScan for Linux Servers and demonstrates how it detects and removes viruses.

## Is a Anti-Virus solution needed for Linux

About 90% of the viruses today enter the organizations via Internet and through emails. The only solution is to provide a software application that works in real-time and is intelligent enough to detect and remove viruses.

There is a false feeling of security that Viruses do not infect Linux systems. To a certain extent this is true since in the architecture of Linux systems, the 'Root' or administrator owns the Programs and other users in a Linux network use the non-privilege account.

But many Linux users use Open Office for word processing and import documents created in MS Word. In some cases Linux machines directly connect to Windows machine and exchange files. Script and macro viruses can be present in the documents and while they may not harm Linux machines, they can find a safe haven and remain hidden there. When Linux users transfer or mail such documents to Windows based machines, the viruses are launched.

## Features of eScan for Linux Servers

### Features of eScan for Linux Server:

- Real-time Intelligent Monitor to guard your system
- Configuration and management through a web interface
- Ability to scan files automatically as they are modified and closed in real time
- Quarantine the infected filed
- Skip scanning of files with specified extensions
- Scans files in real time with the specified include directories
- Exclude scanning files in real time with the specified exclude directories
- Command line scanner for automation and scheduling
- Automatic and manual download of updates

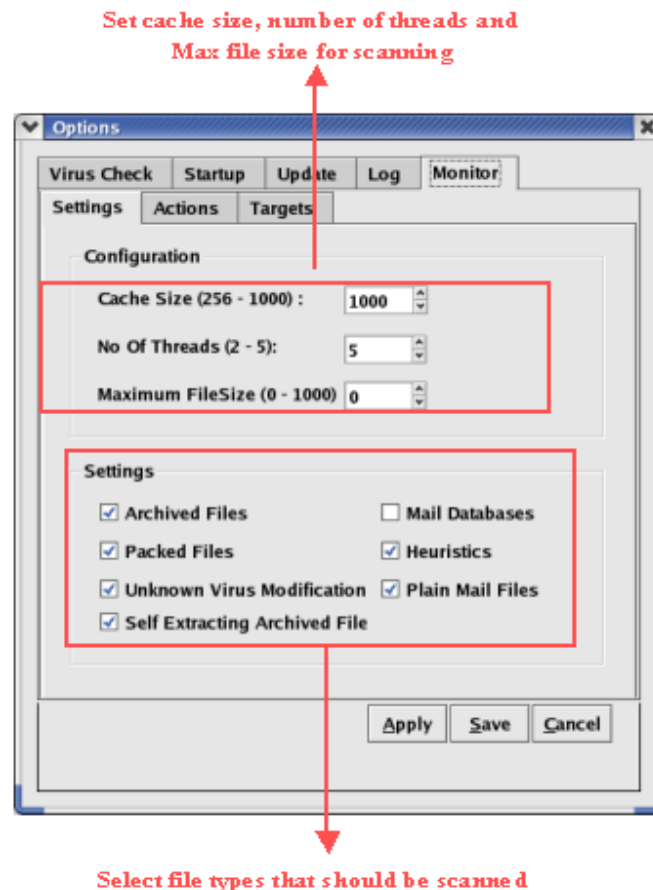
***eScan for Linux is available for Workstations and Servers. The server version has a web interface also.***

Screenshots of key features and their brief explanation are given in the next sections for both versions of eScan for Linux Servers.

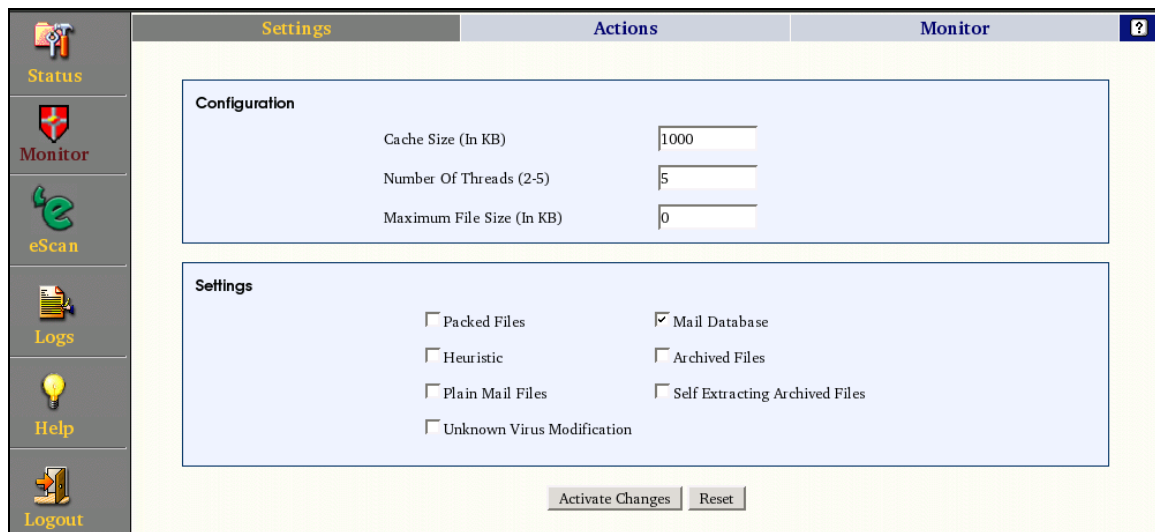
## Monitor Options

eScan for Linux Servers has a feature called the **Monitor** which allows you to configure settings like the cache size, number of threads (files) that can be scanned simultaneously and set the maximum size up to which files should be scanned. You can also Quarantine infected files. Other features include setting the quarantine path and excluding files with specific masks (like .pdf, .txt) from scanning. Monitor allows you to exclude specific directories from scanning.

This menu is available only for eScan for Linux Servers.



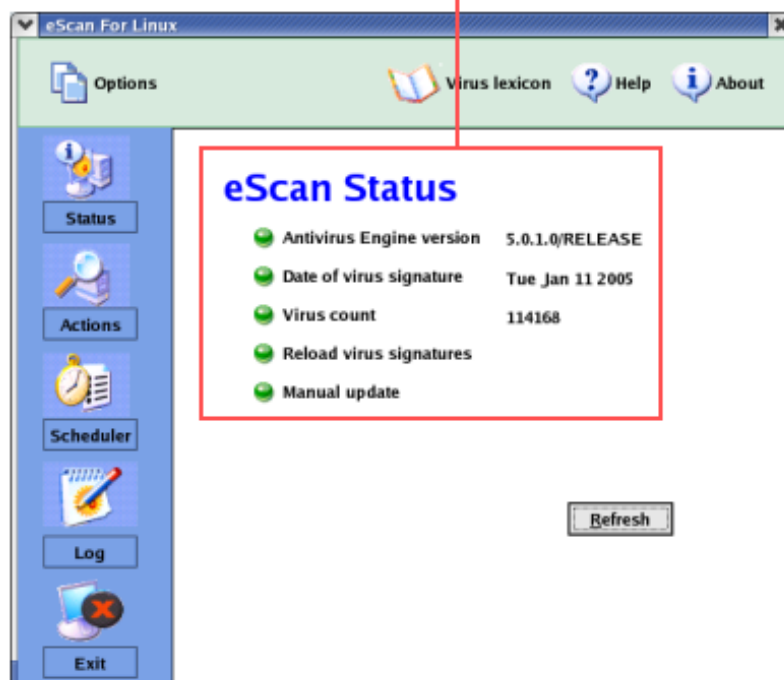
The same settings can be done with the **web interface**:



## eScan Status

eScan for Linux Servers has a menu that gives important information such as the date when virus signatures were downloaded, anti-virus engine version and the total number of known virus that can be detected and removed.

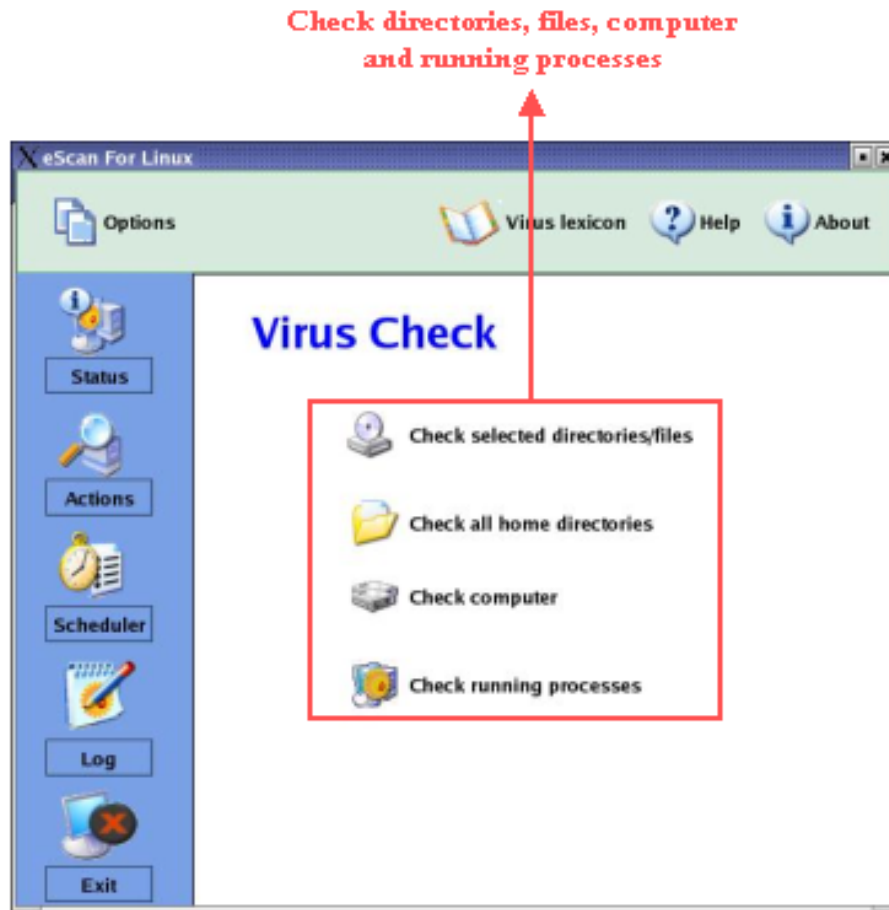
**View date of last date of virus signatures, see total number of virus that can be removed, manually download up date**



## Virus Scanning Features

### SCANNING FILES AND DIRECTORIES

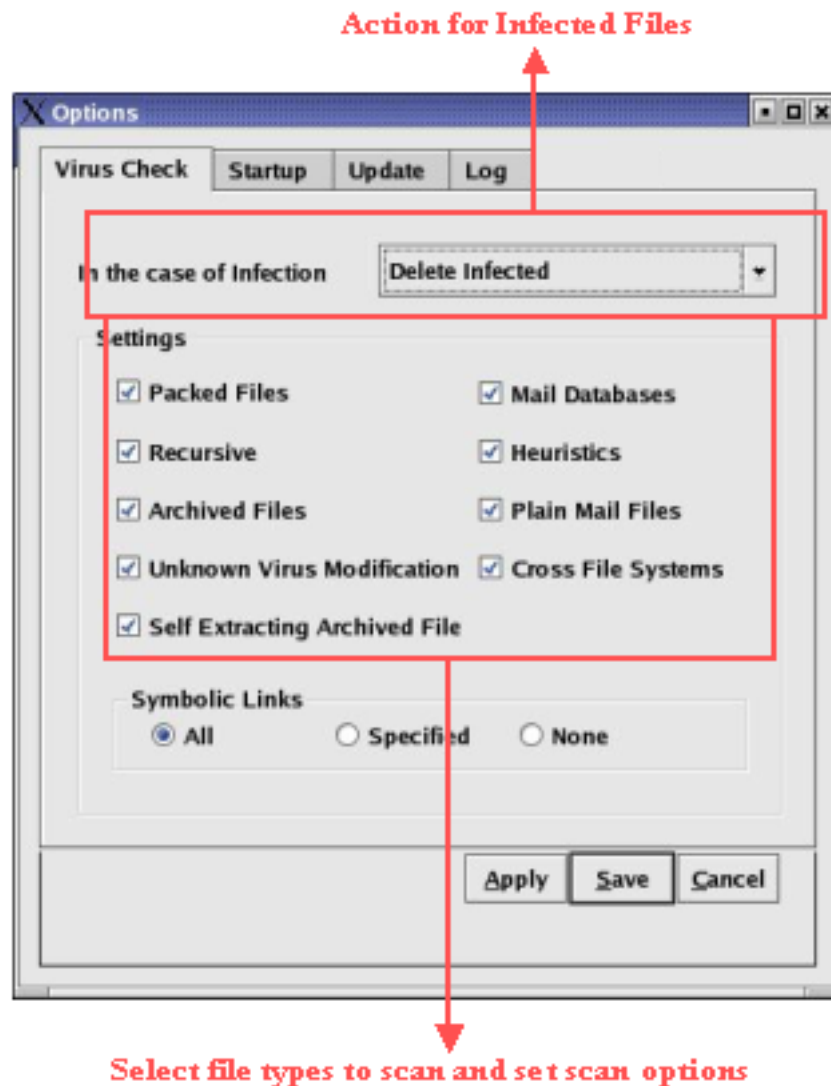
eScan allows you to select different objects in your system and scan them for viruses. You can select and scan any directory or file, your whole computer, directories in your system and also running process for memory resident viruses



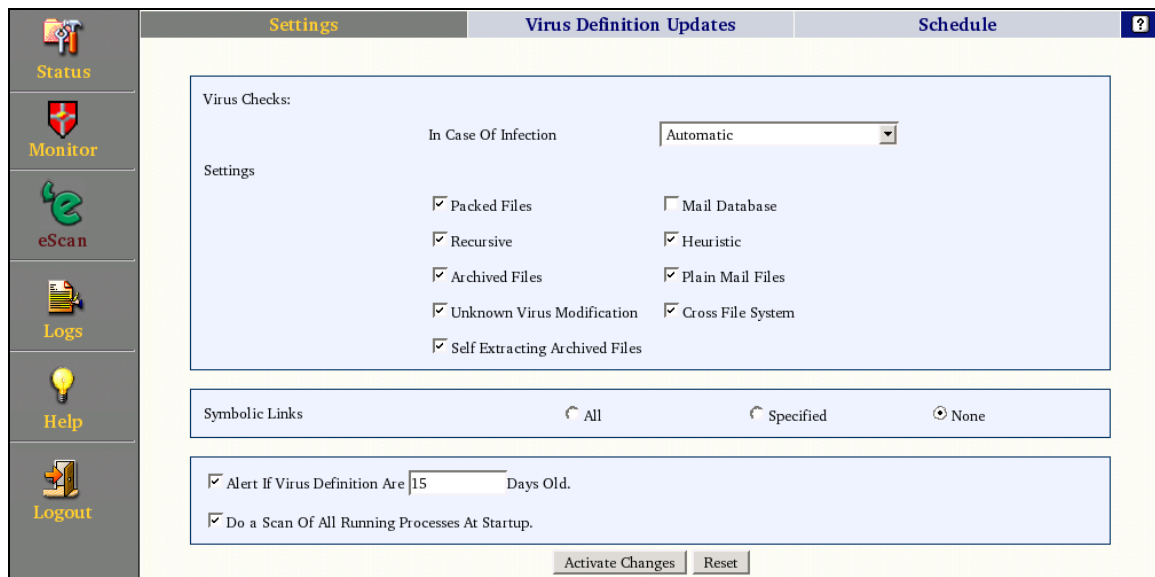
## SET ACTIONS FOR INFECTED FILES

When infected files are detected, you can set the action to be taken. The actions that can be preset include rename the infected file, disinfect the file and if that fails, either rename or delete the file, etc.

You can select specific file types for scanning. Different file types like packed, mail databases, archived, plain mail, self-extracting archived files, etc. can be selected.

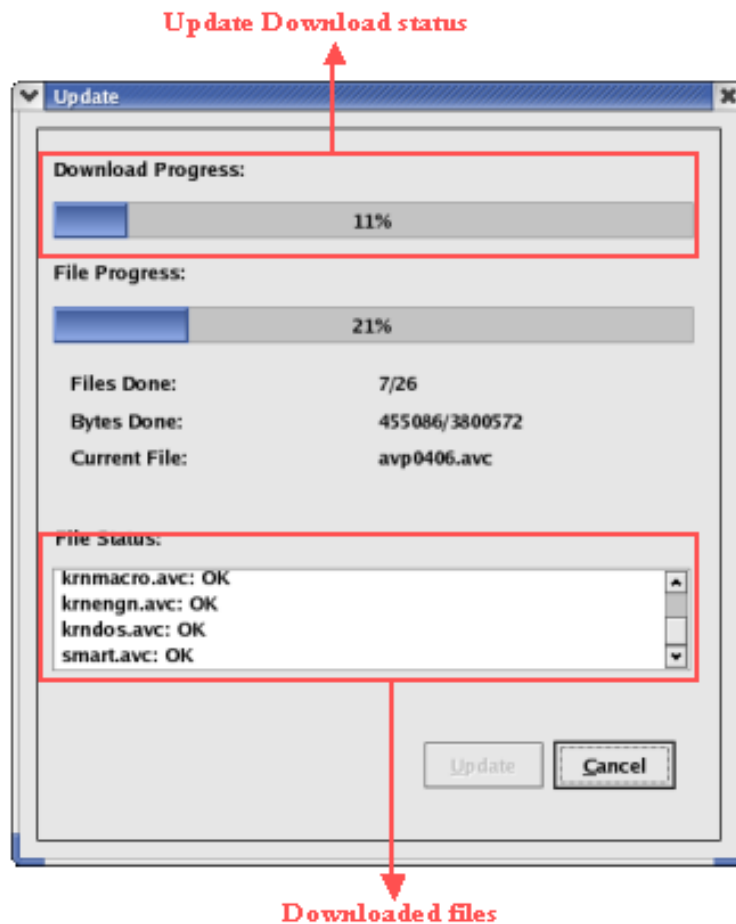


The same settings can be done with the **web interface**:



## Download Updates

Each day sees new viruses appearing. Updates are vaccines that detect and remove new viruses. The software must have the means to identify new viruses and remove them. Updates are available as free downloads from our mirror download sites. eScan can be configured to connect automatically to these sites and download updates.

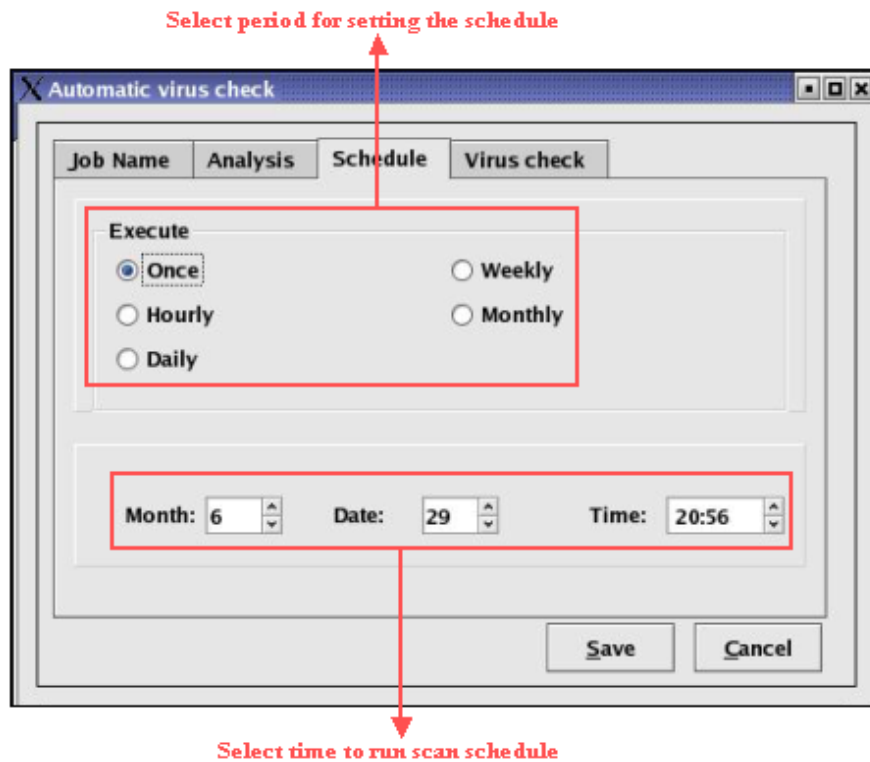




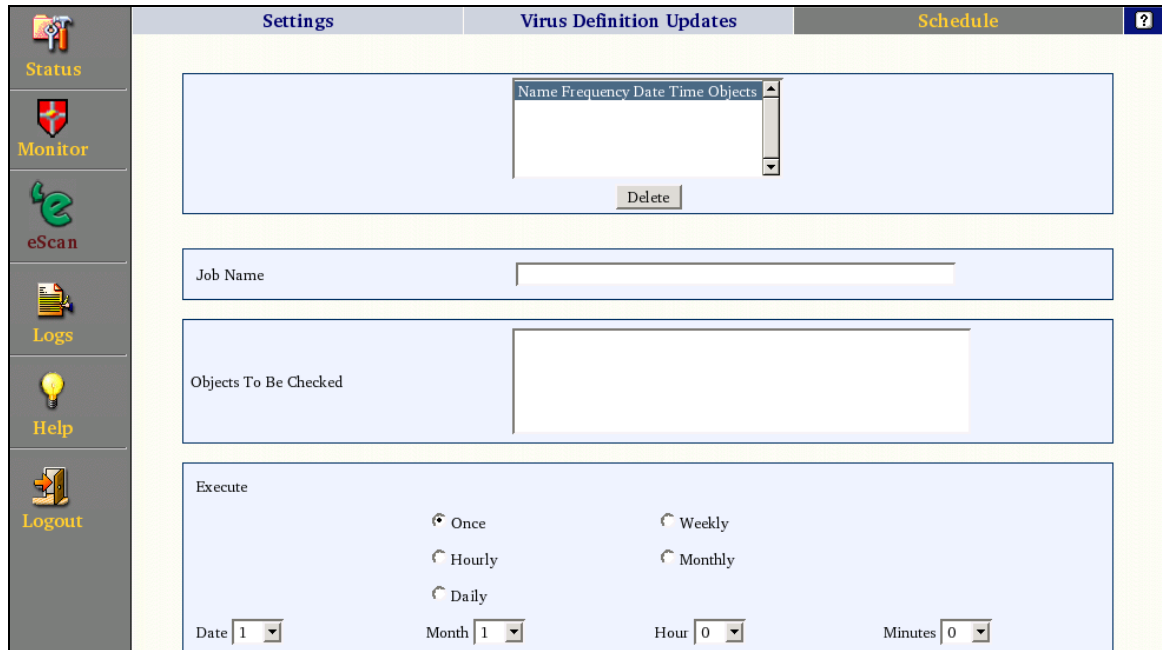


## Auto Scan Schedule

You can set a schedule to automatically scan your system at a preset time. You can also set the actions that should be run when virus infected files are detected.



The same settings can be done with the **web interface**:

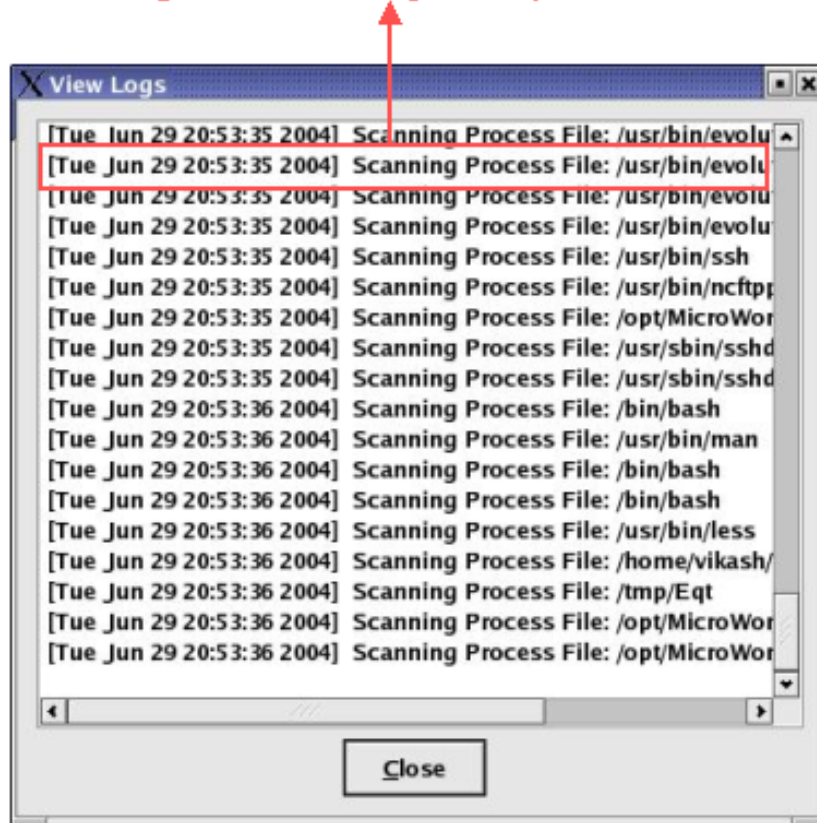


The screenshot shows the web interface for Virus Definition Updates. The interface is divided into a sidebar and a main content area. The sidebar contains navigation links: Status, Monitor, eScan, Logs, Help, and Logout. The main content area has three tabs: Settings, Virus Definition Updates (selected), and Schedule. Under the Virus Definition Updates tab, there is a table with columns: Name, Frequency, Date, Time, and Objects. Below the table is a Delete button. There is a Job Name text input field. Below that is a section titled Objects To Be Checked with a large empty text area. At the bottom is an Execute section with radio buttons for Once, Hourly, Daily, Weekly, and Monthly. Below the radio buttons are dropdown menus for Date (set to 1), Month (set to 1), Hour (set to 0), and Minutes (set to 0).

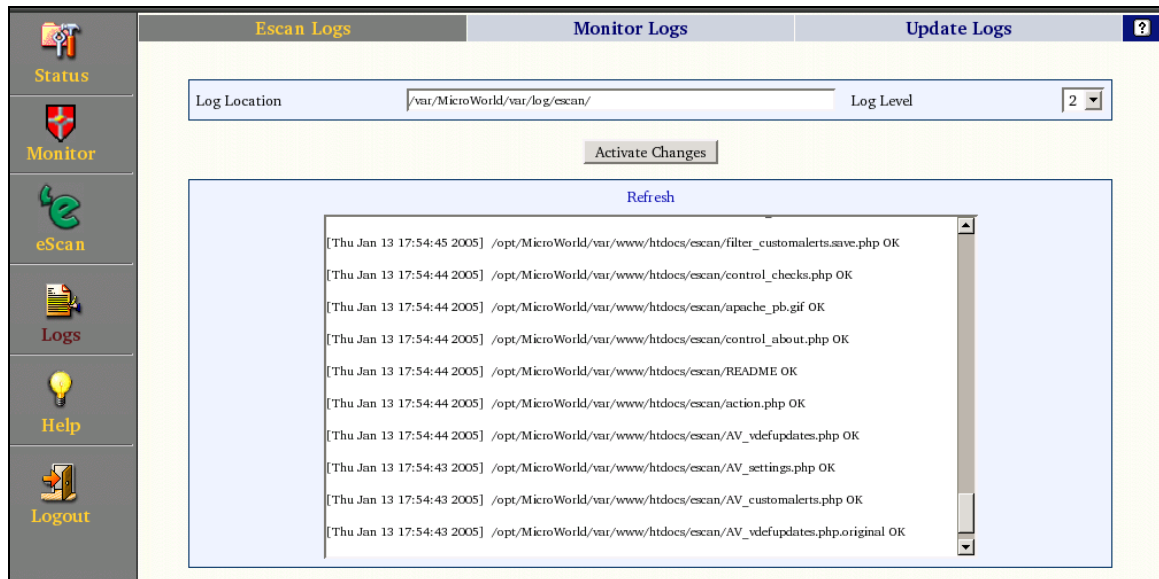
## View eScan Log

eScan generates a comprehensive log of scanning activity. The log shows date and time when scanning was done and path of objects scanned. You can also view the scan report. There are three log levels: 0 level logs all scanning activity, 1 level logs only infected files and scan report, 2 level logs only scan report.

Scanning date and time and path of object scanned



The same settings can be done with the **web interface**:



## System Requirements

- Red Hat Linux 9 or higher should be installed on the system.
- 40 MB of free disk space

## Contact us

For details, please visit [www.mwti.net](http://www.mwti.net)

For sales enquiries [sales@mwti.net](mailto:sales@mwti.net)

For support [support@mwti.net](mailto:support@mwti.net)