

Cybernetra

Managed Internet

Overview

In today's world, use of Information Technology has become mandatory for businesses to perform the day-to-day functions efficiently. Use of Desktop PC's, Laptops, and network connectivity including Internet, email is as essential as telephone at workplace. The employees and networks are most valuable assets for any organization. The misuse of internet by employees however poses serious challenges to organizations including loss of productivity, loss of revenue, legal liabilities and other workplace issues. Organizations need effective counter measures to enforce its appropriate usage policies and minimize its losses & increase productivity.

Networks are often inherently insecure because they are designed with functionality not security as its primary goal. Most organizations view security threats as inbound i.e. from outside to inside. However there are major threats to security that are not introduced from external sources but by intrinsic environment.

Bandwidth is never enough. Banner advertisements, streaming media, MP3 downloads; P2P file sharing are bandwidth guzzlers that place increasing demands on organization's network resources. Therefore, organizations need a tool to manage the available bandwidth to be distributed according to organizational preferences and policies, optimize network performance for business applications or else it could lead to a situation where few of the employees watching streaming videos and listening to online music while its CEO is struggling to access critical business web-cast.

Challenges related to Employee Internet Usage

- No Policy Enforcement
- No Reports
- Costly and Inefficient
- Labour Intensive

Solution

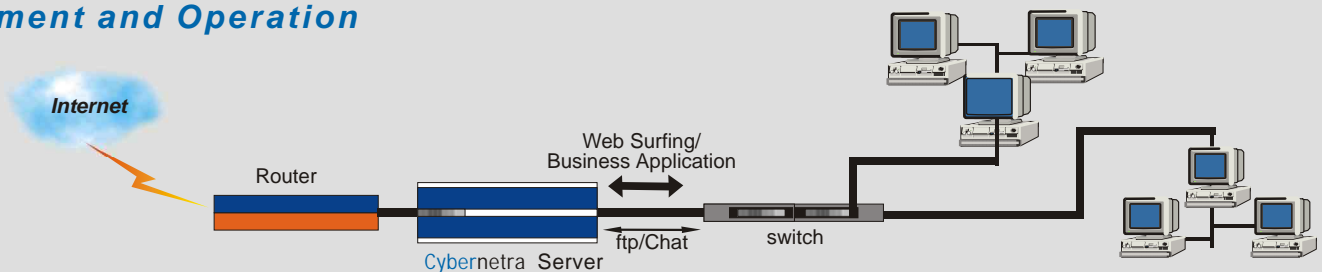
- Internet Access Control
- Internet Access Management
- Reporting and Logging

Benefits of Employee Internet Management

- Greater Employee Productivity
- Reduced Bandwidth Consumption
- Reduced Legal Liability

In order to address these challenges **Cybernetra** Internet Management System from Eon Infotech Limited is a perfect solution. **netra** in Sanskrit means, "eye". **Cybernetra** Internet Management System thus, is your eye to the Internet usage in your organization. Because you deserve to know the use (and the abuse) this wonderful tool that is Internet is being put to at your workplace.

Deployment and Operation



Cybernetra is a Linux based solution managing clients connecting to internet running on different operating systems like Windows, Unix, Mac etc. This is installed on a separate machine in the network, which acts as a server using the installation CD provided, which includes the Operating System. The installation process is completely automated, and typically takes only 5 minutes.

Once installed, the operation is equally simple. The **Cybernetra** solution is transparent to the user. Any request from the user for Internet access is forwarded to the **Cybernetra** server via client software installed on his/her machine. The users keep accessing the web through the normal browsers and email through the programs like Outlook Express, Eudora, Netscape Mail, Ximian Evolution, etc. The server controls all firewall and time/usage restrictions.

Specifications

Server Hardware required for **Cybernetra** implementation:

- Pentium III or better processor
- 256 MB RAM (512 MB preferred)
- 20 GB IDE HDD (SCSI preferred)
- 8x CD ROM
- 2 No 10/100 Mbps Ethernet Cards

Cybernetra *Features*

Bandwidth Management

Cybernetra is a tool that allows administrators to control traffic and make decisions about internet traffic thus shaping traffic flow to sets of user-defined behaviours.

Caching

To increase efficiency and speed Cybernetra provides web site caching. This allows sites, pages or URLs to be stored locally in the server thereby reducing considerable load on available Internet Bandwidth.

User Access Control

Cybernetra is capable of controlling Internet access, both on User and IP address basis, providing you an additional layer of security.

Internet Usage Management

Flexible time bound restriction can be applied for the Internet usage in accordance with the predefined user policy.

Firewall

Cybernetra acts as a powerful Statefull firewall, which is a complete security and control package.

Web Filtering

The filtering system filters sites deemed illegal, offensive, non-productive, or contrary to education or work related activities, with a very high accuracy.

Virtual Data Storage

Secure Data Storage vaults and data storage space for every user on server.

Management Reporting

Cybernetra reporting tools include graphical and statistical reports of individual users, time logs of employees on Internet, thus make the users accountable to their work.

Web-mail and Mail Server

Cybernetra offers an optional facility wherein this acts as a robust Mail Server and offers web based access to mail accounts.

Anti-virus on Gateway

To protect network against POP, SMTP based viruses, Cybernetra can be integrated with an anti-virus software to provide Gateway level security. ■

Cybernetra *Advantages*

Increased User (Employee/Student) Productivity

Cybernetra lets your employees leverage the power of Internet without allowing any distractions by banning access to unwanted sites/chat facility. Thus enhancing employee productivity.

Better Utilization of Expensive Bandwidth

The two way restriction on Bandwidth available to every user helps you to manage this expensive resource efficiently.

Reduced Legal Liability

In order to limit the risk of legal liability, Cybernetra blocks the downloads of user defined type softwares.

Higher Return on Investment

Cybernetra promises for you (for once, in technology) a payback in weeks, if not in days.

Policy Enforcement

Cybernetra helps you to enforce Internet usage policy which can be enforced on the basis of the user level in the hierarchy of your organization.

Usage Accountability

With the help of various types of reporting tools in your hand, it will bind the user to make him accountable for the work he was assigned.

Easy Monitoring

This enables you to keep track of the traffic incoming/outgoing at any point of time from your network with a few mouse clicks.

Automated Reports

The built-in automated process starts logging reports as and when a user login and thus provides you with different kinds of statistical and graphical representations.

Clean and Safer Environment

Once the Organization Internet usage policy is enforced, it will help you to make organizational environment more clean, safe and pure thus providing Internet experience of the best level. ■

Company Profile



An **ISO 9001:2000 certified** technology company founded in 1997, Eon Infotech Limited is today a 100-plus (and growing) team dedicated to providing Cutting Edge Software and Internet Security Solutions. Eon clients include some of the most prestigious Multinational Corporations, Defence and Law Enforcement Agencies, Government, Corporate and Education Institutes.

Eon promises you 24x7 support environment through Tele-support or SRTS.



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