

Tech Overview : Advanced Authentication Management for IT Administrators

Internet technology facilitates the access to information on every aspect of our daily life and brings people together without any physical limitation. Its nature of real-time gradually yet greatly changes the way that people think and interact. For modern businesses, it has already become an indispensable means to success.

Nevertheless, the benefit might backfire if the network’s resources are being misused by employees. Once the Internet access is inappropriately used, the efficiency of business operations will be drastically impaired. Consequently, network management has become the first priority for every size of business.

In answer to that, Nusoft Internet Recorder provides IT administrators with flexibility and authority to regulate the Internet access by authentication mechanisms. It not only helps improve the network management but also eliminates the chances of resources being misused.

To achieve authentication management, it requires using the firmware version 5.07 (or above) and running under Authentication mode.

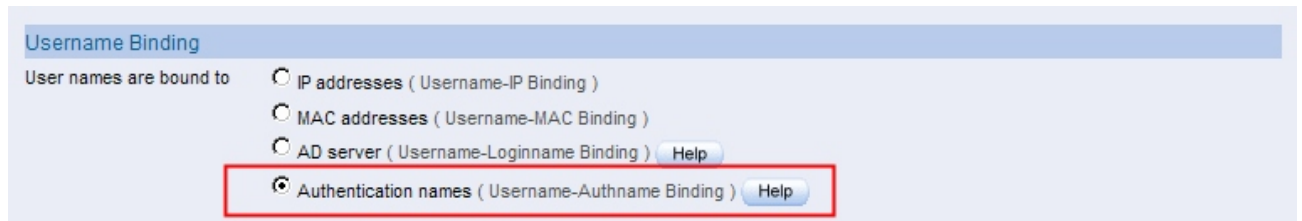


Figure 1. Running the Device under Authentication Mode

When under Authentication mode, the IT administrator may attain detailed authentication information of each individual such as IP address, authentication name and login time. Moreover, authenticated users can be forcefully logged off if required.

The figure shows two screenshots of a table listing authenticated users. The table has four columns: IP Address, Authentication-User Name, Login Time, and Configure. The 'Remove' buttons in the 'Configure' column are highlighted in red in both screenshots. A red arrow points from the 'Remove' button in the top screenshot to the 'Remove' button in the bottom screenshot, indicating the ease of user removal.

IP Address	Authentication-User Name	Login Time	Configure
192.168.139.255	192.168.139.255	2009/08/18 21:31:22	Remove
192.168.139.10	192.168.139.10	2009/08/18 21:32:40	Remove
192.168.139.22	192.168.139.22	2009/08/19 08:55:02	Remove

IP Address	Authentication-User Name	Login Time	Configure
192.168.139.10	192.168.139.10	2009/08/18 21:32:40	Remove
192.168.139.22	192.168.139.22	2009/08/19 08:55:02	Remove

Figure 2. Authenticated User Removal Made Easy by a Click on “Remove”



Assuming that any access violation has been identified, the IT administrator could immediately log the violator off despite the connection status of that person.

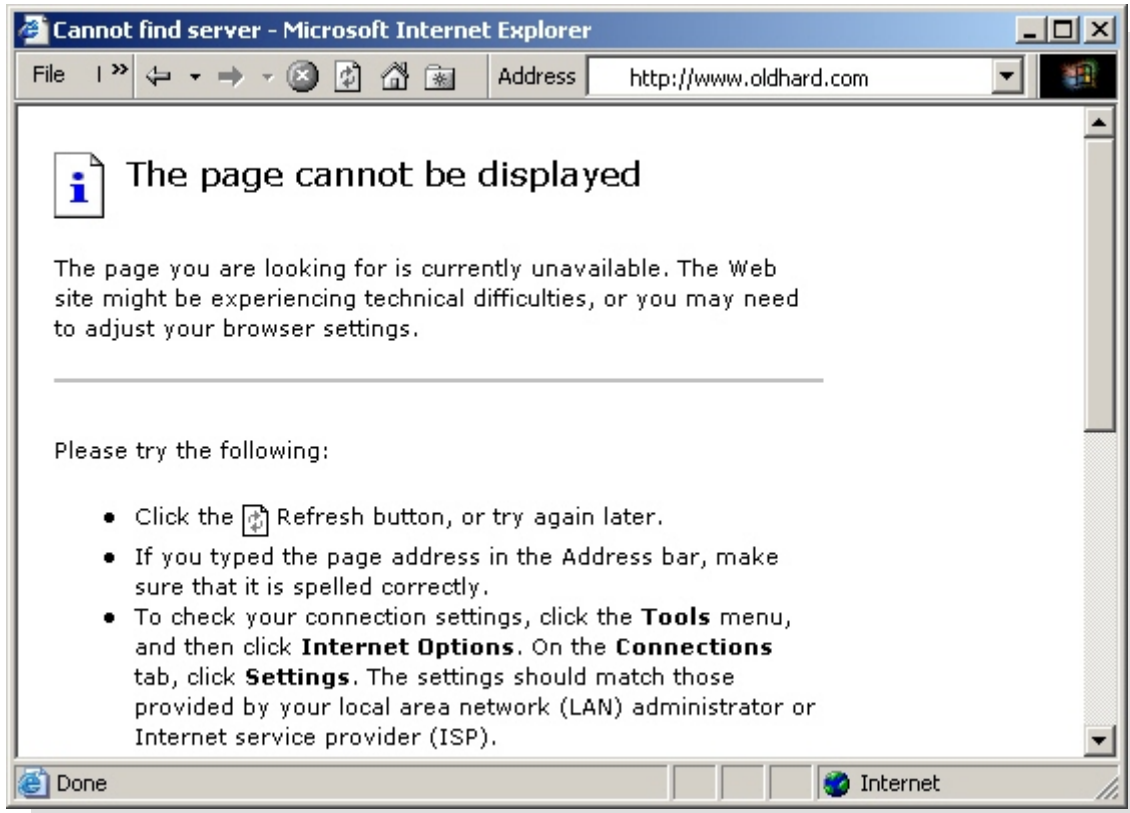


Figure 3. A Violator after Being Forcefully Logged Off

Through authentication management, the network policy violators and resource abusers can be fully controlled, assuring the majority with stable and fast Internet access for creating more revenue opportunities.

Product News : Comprehensive Application Management

The fast-paced progression of the Internet continues to spawn an array of new Internet-based applications. Consequently, IT administrators and managers face new nightmares on a daily basis as they struggle to manage and curtail the use of these applications by employees, especially since traditional firewalls provide inadequate control.

During the beginning of the year, Nusoft demonstrated its effective application management mechanisms by incorporating Application Blocking functions into the Multi Homing Gateway and Multi-Security UTM series. Following impressive results, Nusoft also decided to integrate the feature into the Internet Recorder series.

◆ The Nusoft Internet Recorder provides the following categories of application management:

Instant Messaging - Logins and File Transfers

The growing establishment of instant messaging software as a convenient communication avenue provides employees with opportunities to misuse the service during working hours. It is an essential tool for some employees, such as sales representatives etc, yet for other employees it provides no benefit for the business. Instant Messaging Login and File Transfer Management provide IT administrators with the tools to conveniently manage the access of instant messaging applications to employees.

Multimedia Streaming

Advances in Internet technology provide readily available access to various forms of multimedia such as music, videos, live television, etc. This level of convenience causes disruptions to the productivity of its employees. Nusoft's Internet Recorder insures IT administrators have the power to manage multimedia streaming applications across the businesses' network.

Peer-to-Peer Applications

Employees' unregulated use of P2P software consumes significant amounts of bandwidth to hamper the business's network. Hackers also target P2P software as a stepping-stone for gaining access to confidential business information. The Nusoft Internet Recorder effectively puts a halt to these negative impacts with its management of various P2P software.

Online Gaming

Some instant messaging software allows users to gain access to online games via a plug-in. Due to the productivity losses associated with these activities, the Nusoft Internet Recorder provides the IT administrator with easy management control over these applications.

VPN Tunneling

To assist enterprises with managing their employees' use of various Internet services, the Nusoft Internet Recorder provides VPN Tunneling management. In the absence of effective VPN tunneling software management, employees could easily misuse the businesses' network for non-work related activities, or leak sensitive business information.

Remote Controlling

Remote controlling applications permit users to gain access to computers located remotely for the purposes of conveniently accessing data, network resources, running applications, etc. Despite these benefits, hackers can obtain the IP address and logon information, resulting in the perpetrator gaining complete control over the computer and creating serious information security risks for the business. Nusoft Internet Recorder provides management over these applications.



◆ The Nusoft Internet Recorder provides the following categories of application management:

	Application
Instant Messaging - Logins and File Transfers	Windows Live Messenger, Skype, Yahoo! Messenger, QQ, ICQ/AIM, Google Talk and Gadu-Gadu.
Online Gaming	GLWorld and QQGame.
Multimedia Streaming	PPLive, PPStream, UUSee, QQLive, ezPeer and QvodPlayer.
Peer-to-Peer Applications	eMule / Flashget, BT / Flashget, Foxy, KuGoo, GoGoBox / Clubbox, QQ Download, WinMX, AppleJuice, Audiogalaxy, DirectConnect, iMesh, MUTE, Thunder 5, Ares, Shareaza, BearShare, Morpheus, Kazaa and LimeWire.
VPN Tunneling	VNN Client, Ultra-Surf, Tor and Hamachi.
Remote Controlling	TeamViewer, VNC and Remote Desktop.