

# Authenticate Everything

INFORMATION ABOUT NETSTEADY'S  
NEW AND REVOLUTIONARY IDENTITY  
NETWORKING SERVER, NEXAUTH.

## THE PROBLEM

Network security is a major concern among system administrators and other information technology professionals throughout the world. Neglecting to put the proper security measures in place can result in a security breach.

As every administrator knows, the first rule of network security is to ensure that you **know** who gets online. This rule paramount, no matter the network type (wireless, wired, cellular, etc).

Unfortunately, not everyone has the means to authenticate their users. Sure, they can purchase a RADIUS server. However, a problem arises when this RADIUS server cannot check credentials against legacy or proprietary data sources.

Until now, RADIUS server inflexibility has caused many network and systems administrators to make a choice to completely change the way the company authenticates, or leave the network with little or no security measures in place.

### Each option is a costly one.

A change in the way the entire organization authenticates requires additional time, money, and technological know-how to manage and maintain this undertaking.

Little or no security on a network leaves the organization vulnerable, potentially exposing confidential information to undesired recipients.

## WHAT IS YOUR CHOICE?

## THE SOLUTION

NetSteady Communications, Ltd., a Columbus, Ohio based innovation technology firm, has developed a revolutionary product designed to overcome authentication server inflexibility. This product, entitled **NeXauth**, empowers businesses by giving network administrators the ability to authenticate everything, to anything.

### AUTHENTICATE EVERYTHING

It is our opinion that **everything** on a network should be authenticated, independent of the type of device. Every network device has some sort of identifier which can be authenticated, and it is up to the network administrator to ensure that only the desired devices are provided network access.

### AUTHENTICATE TO ANYTHING

Proprietary databases, billing systems, legacy data sources, and even flat text files are no match for NeXauth. If you can create it, we can authenticate against it.

You are no longer bound by the "mainstream" data sources available in existing RADIUS implementations. NeXauth gives you the freedom to choose the authentication data source that fits your needs.

## NEXAUTH HAS NO BOUNDARIES, DO YOU?

**FACT:** NeXauth gives you the freedom to choose your authentication data source.



**FACT:** NeXauth can serve up to **six million** network access requests per server, per hour.

## HOW DOES IT WORK?

NeXauth is built to work in conjunction with standards-based RADIUS servers who support the PEAP-Generic Token Card protocol, EAP-TTLS or other means of tunneled clear-text authentication.

When the parent RADIUS server receives an authentication request from a client, the credentials are forwarded to the **NeXauth** Identity Networking Server. The data is then manipulated and prepared to be checked against **any** data source. Once the user's credentials are verified, **NeXauth** informs the parent RADIUS server of the appropriate response to send.

## TECHNICAL SUPPORT

Maintenance plans are available for all products sold and/or provided by NetSteady. However, we cannot provide technical support for customer-designed modules and processes.

## NEXAUTH PRICING

For pricing information, contact us at:

**NetSteady Communications, Ltd.**  
Attn: NeXauth Identity Server  
P. O. Box 392  
Galloway, Ohio 43119

P: 614-853-0091  
F: 614-436-1119  
E: [sales@nexauth.com](mailto:sales@nexauth.com)  
<http://www.nexauth.com>

## ABOUT NETSTEADY COMMUNICATIONS, LTD.

Before anything becomes "Information Technology", it must first be "**Innovative Technology**". This is where NetSteady Communications, Ltd. brings value to the equation.

We strive daily to better the technology industry through the creation of new, revolutionary products and services.

**How can we help you?**

## FEATURES

### Extensible Module Functionality

All pre-built modules designed for NeXauth are capable of conforming to your needs. Depending on the module function, administrators are given the opportunity to designate pertinent information such as a server address, realm, and much more.

### Self-built Module Functionality

If our pre-built modules aren't enough, you can always build your own with one of our **NeXauth Module Kits**. These kits are available for most popular programming languages.

**NeXauth gives you the freedom to break free of mainstream and conventional data sources.**

### Post-Process Modules

Similar to the self-built modules, Network Administrators can use our **post-process module kits** to build a module which will assist with data mining and data transfer tasks. Administrators find this helpful when transferring from a database where the user's password is stored in a hashed format (i.e. LDAP) to a completely separate database (i.e. Active Directory, SQL).

## SPECIFICATIONS

### RADIUS Server Compatibility

- Cisco ACS v3.1 and higher
- Funk Steel Belted RADIUS
- Funk Odyssey Server
- RadiusNT
- Microsoft IAS\*

### Authentication Protocol Compatibility

- EAP-PEAP-GTC
- EAP-TTLS/SecureW2
- S(hiva)-PAP
- PAP

### Operating Systems Supported

- Windows Server 2000 SP4
- Windows Server 2003
- Windows XP
- Windows 2000

### Minimum Hardware

600 MHz CPU with 256MB RAM

### Recommended Hardware

1.6 GHz or higher CPU  
512 MB RAM

### Available Modules

Unrestricted Access  
Fully Restricted Access  
Microsoft SQL  
mySQL  
Microsoft Access Database  
Flat Text File  
Local Authentication  
Web Authenticated (.htaccess)

### Post Process Modules

Record credentials to a file  
Insert into database  
Account Creation (coming soon)

### Module Testing

Module tester available with NeXauth Module Kits.

