# GrIDsure®

An easy-to-use authentication method that provides increased security without increased complexity.

Can be installed on an existing domain with existing users.

Supports two-factor remote VPN access without the need for additional hardware.

More cost-effective to implement and maintain than other authentication systems.

Centrally administered.

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# GrIDsure Enterprise Login
## Secure login to Windows® including two-factor remote VPN access

**Using GrIDsure as the front-end login to your Windows domain greatly increases endpoint security without increasing complexity, cost or end-user inconvenience.**

Increasingly sophisticated hacking and phishing attacks demonstrate that the traditional username and password combination is no longer a sufficiently secure method of login. In response, many organisations enforce greater password complexity and regular password changes on their users. This, however, increases the mental strain on users; passwords get written down or forgotten which further compromises security and incurs costly password resets. Other organisations deploy token devices as a solution to improve security but these token-based systems are costly to implement, and tokens are often left in laptop bags or desk drawers so provide little real security. They also have an obvious environmental cost.

GrIDsure's elegant and simple solution provides you with increased security but without increased complexity for the end-user or any need for costly additional hardware. Instead of remembering a fixed password, the user simply remembers a secret pattern of squares on a grid and then uses this to 'look up' and enter a one-time passcode. With GrIDsure, the secret is never shared and never needs to be revealed, so cannot easily be stolen by a third party.

To learn more about how GrIDsure's patented methodology works visit www.gridsure.com.

**GrIDsure Enterprise Login** replaces the username/password login screen with a username/GrIDsure login on your client computers. This is centrally controlled by your network administrator via an additional tab on Windows' standard user administration tools. Furthermore, the administrator can set policy on the size of the challenge grid and required length and complexity of the user's Personal Identification Pattern (PIP).

Identity can be authenticated using GrIDsure regardless of whether the user is connected to the domain or offsite using a laptop.

## Feature Checklist

| | |
|---|---|
| Windows Desktop Login | ✔ |
| Supports Windows® 7, Vista and XP Clients | ✔ |
| Remote Desktop | ✔ |
| Secure VPN Login | ✔ |
| RADIUS Support | ✔ |
| 2-Factor Login for Remote Access | ✔ |
| Secures IIS Web servers | ✔ |
| SDK for Integration with Legacy Systems | ✔ |
| Policy-based Security | ✔ |
| GrIDsure Logins supported on disconnected machines using cached credentials | ✔ |
| Uses Standard Microsoft Administration Tools | ✔ |

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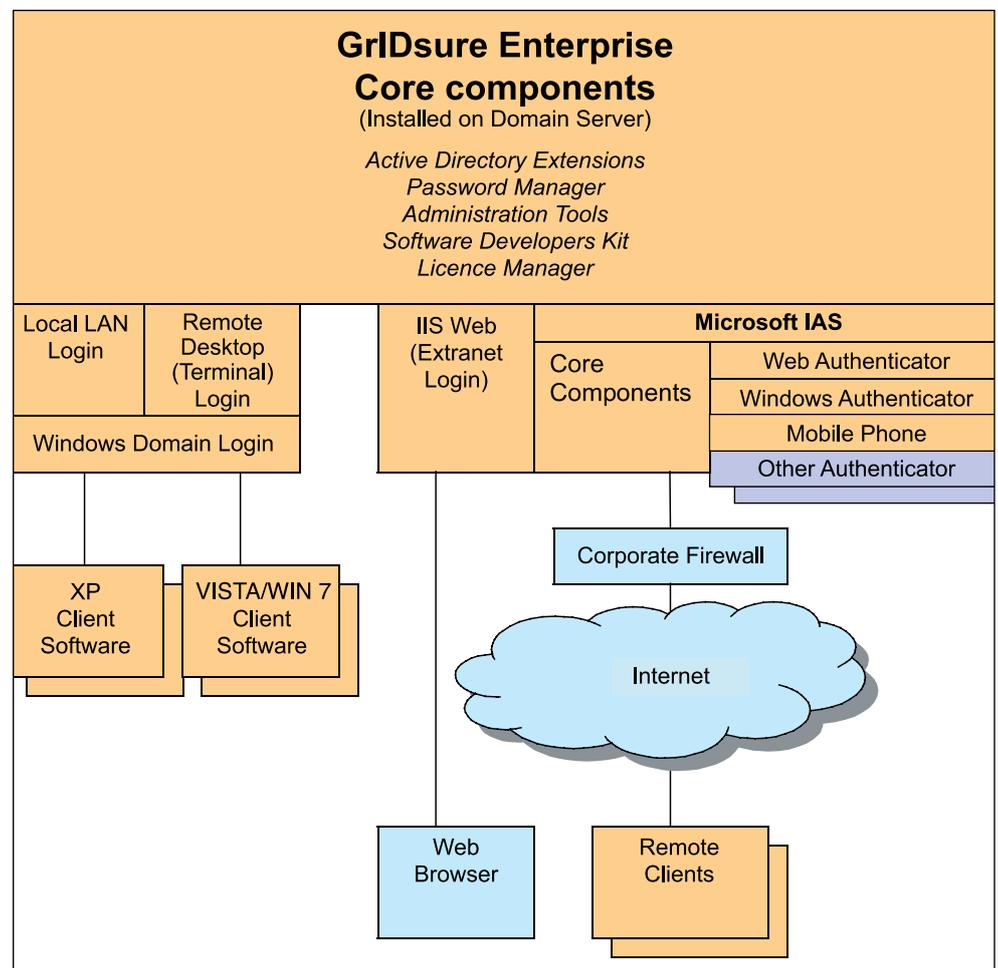
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## Benefits of using GrIDsure Enterprise Login:

■ Creates one-time passcodes – more secure than static passwords or PINs
■ Cost effective to implement and maintain
■ Easily adopted by end-users and reduces the need for costly password resets
■ Is centrally administered by the Network Administrator via the standard Windows® Server 'Users and Computers' administration tool
■ No need for additional server hardware
■ No additional hardware for users to carry
■ Includes support for IIS, Terminal Services and multiple VPN solutions

Users can also make secure remote VPN connections to a network using the existing firewall as long as it supports the industry standard RADIUS protocol. Using a GrIDsure grid generated on a web page, your local machine or a Java-enabled mobile phone, secure login using a one-time password can be achieved without the need for deploying additional hardware such as a token device.

In addition, developers can use the incorporated SDK to integrate GrIDsure authentication into other corporate applications.

**GrIDsure Enterprise Core components**
(Installed on Domain Server)

*Active Directory Extensions*
*Password Manager*
*Administration Tools*
*Software Developers Kit*
*Licence Manager*

| Local LAN Login | Remote Desktop (Terminal) Login | IIS Web (Extranet Login) | Microsoft IAS | |
|---|---|---|---|---|
| | | | Core Components | Web Authenticator |
| | | | | Windows Authenticator |
| Windows Domain Login | | | | Mobile Phone |
| | | | | Other Authenticator |

XP Client Software

VISTA/WIN 7 Client Software

Corporate Firewall

Internet

Web Browser

Remote Clients

## Supported Platforms

Microsoft Windows® 7, Vista, XP
Windows Server 2008*, 2003

* 32 bit support, 64 bit support due mid-2010