



Secure Remote Access

Actividensity access solutions

▶ solution brief

Actividensity provides strong authentication, authorisation and accounting services

Ensuring secure remote access to enterprise information is essential as companies continue to move their business processes online and extend the enterprise boundary beyond the corporate firewalls. Unfortunately, many organisations today still rely on static, reusable passwords, thereby exposing enterprise information through remote access by unauthorised users.

Compelling ROI

For companies currently using two-factor authentication, the Actividensity Secure Remote Access Solution can be deployed without increasing your existing security budget. The result is a compelling total cost of ownership and return-on investment advantage that is achieved by:

- Lifetime replacement of tokens
- Eliminating dual administration
- Substantially reducing help desk costs
- Consolidating credentials

Familiar and easy to use

By consolidating multiple authentication credentials on a single smart card device, the Actividensity Secure Remote Access Solution enables a user experience that is as simple and familiar as using an ATM card. This ATM-like experience applies to VPN access as well.

Users simply enter their PIN onto the keyboard of their terminal to access the credentials on their card. The Actividensity software then authenticates the user, configures the VPN session and makes a connection – all transparent to the user saving time and reducing complexity.

Enhanced security

WLAN attackers can access your network from the parking lot, making WLAN simply another form of remote access to the network. Actividensity AAA Server has integrated 802.1x authentication required by the WiFi Alliance as well as the upcoming 802.11i standard.

For security minded customers who want to guarantee personal control of their secret keys, the Actividensity Secure Remote Access

Solution allows local initialisation of devices and PIN management by the user. All private keys are generated and stored on the smart card providing strong storage and protection from hackers.

In addition, the Actividensity solution does not require a separate user store. Actividensity integrates with your corporate directory. This prevents an increasingly common security risk that occurs when employees are removed from the corporate directory, and mistakenly leave their record open in a separate remote access database.

Smooth bridge and migration

The Actividensity Secure Remote Access Solution allows you to migrate smoothly from legacy single factor token devices to more advanced smart card and PKI based technologies without having to replace your existing infrastructure.

If you are frustrated with your existing token solution that requires re-purchase of tokens every three years, the Actividensity SRA solution can smoothly migrate you from these high cost deployments to a lower total cost of ownership solution without disrupting your user population.

Easy implementation and administration

The Actividensity Secure Remote Access Solution is designed from the ground up to be standards-based and to work with your existing network infrastructure.

Solution at a glance

The Actividensity Secure Remote Access Solution consists of four optional packages: Tokens, Soft Tokens, USB Keys, or Smart Cards, which can be deployed concurrently to match your company's specific requirements. All solutions are anchored with an Actividensity AAA Server that validates one-time passwords and a device that generates them. More functional USB Key and Smart Card packages require ActiClient™ software on the desktop to communicate with the smart card.

One-time password tokens

Tokens are a simple-to-deploy solution since no client software is involved. Actividensity AAA Server software and Actividensity Tokens are all you need for the most basic solution.

Soft tokens

Soft Tokens are often a good, inexpensive solution for partners or customers to access your extranet.

USB tokens

USB tokens are a cost effective way of getting the benefits of a multi-function smart card without the cost of deploying smart card readers. Actividensity AAA Server software, ActiClient, and an Actividensity USB Key is what it takes for this economical smart card solution.

Smart cards

Smart Cards allow you to combine multiple forms of identity into a single Enterprise Access Card. Deploying remote access smart cards requires Actividensity AAA Server Software, ActiClient, your choice of serial, USB, or PCMCIA smart card reader, and a smart card.

▶ ActivIdentity Secure Remote Access

Streamlined secure access to privileged information, services and applications

The ActivIdentity Secure Remote Access Solution provides everything you need to identify users with certainty and confirm network privileges

Increase productivity

Increase productivity by allowing your remote employees to access information from anywhere, anytime (how does this increase it?)

Savings

Save time and money by deploying cost-effective devices with no expiration and streamlining administrative processes

Efficiency

Improve efficiency by allowing partners, customers, and suppliers to securely access the critical information that they need to do business.

Security and compliance

Increase security and address compliance issues by deploying strong authentication for remote and wireless access to critical corporate resources

Enhance user mobility

The ActivIdentity Secure Remote Access Solution enhances mobility for secure remote access users while broadening the choice of authentication form-factors for secure dial-up, VPN, web access, terminal services, and wireless LAN access.

Comprehensive access solution

Based on industry standard RADIUS, TACACS+ and 802.1x authentication plus the ActivIdentity two-factor authentication technology, this comprehensive solution uses tokens, soft tokens, USB tokens, and smart card devices to protect your network perimeter. User identities can be positively confirmed via the use of PIN-protected authentication devices that generate one-time passwords, synchronous, or challenge/response authentication.

The ActivIdentity Secure Remote Access Solution is the only two-factor authentication solution on the market that delivers integrated WiFi Protected Access (WPA) security and leverages the existing enterprise LDAP directory structures to manage users rights.



Remote access challenges

To reap the many benefits of moving your business processes online, you need a way to balance ubiquitous network access with the security required to create a trusted online environment.

Creating a high level of trust hinges on authenticating identity with methods that go beyond static passwords. However, reliance on reusable passwords to authenticate users remains the weakest link and underscores the need for two-factor authentication in securing a digital corporate environment.

Further, the multiple systems and networks remote users have to traverse in order to access enterprise applications and services is onerous, pointing to the value of consolidating remote access identity credentials on one simple secure platform with distributed

authentication and central administration.

That's why a Secure Remote Access solution is the crucial first step for companies that are serious about securing the foundation of their network and Internet-based services and applications.



Why two-factor authentication?

In our everyday lives, one-factor authentication is typically enough: a driver's license to write a check or a fingerprint to notarize a document.

However, in the online world, relying on a single factor, such as a static password, as a

way to protect critical corporate systems, is fraught with risk. At a minimum, access to privileged information should be protected with two factors of authentication: something you know such as a password or PIN, as well as something you have like a smart card or token. An example is a bank ATM card. It protects your account by requiring the physical ATM card (something you have) and your PIN (something you know). So just as financial institutions are concerned about private access to privileged information, the same safeguards need to be taken for secure remote access to your enterprise network.

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