

Automotive Case Study

International player in automobile manufacturing secures VPN with VASCO's Server software Identikey and hardware DIGIPASS.

VASCO Data Security is a leading software security company specializing in authentication solutions. VASCO brings banking level security to over 50 verticals, including the automotive sector. With VASCO's DIGIPASS solutions, enterprises can secure their SSL/ VPN to enable remote access.

INCREASED MOBILE PRODUCTIVITY WITH VIRTUAL PRIVATE NETWORKS

In recent years, many organizations have been facing the growing need for remote network access for their employees. As international companies have different branches worldwide and employees travel frequently, secured network infrastructures became a necessity. A big international player in the automobile manufacturing industry decided to implement a Virtual Private Network (VPN) to establish long distance network connections. By implementing a VPN, the company can provide access to its internal private network to employees around the world with access to the public Internet. VPNs offer many advantages in terms of cost savings and scalability. Where before companies were obliged to install costly dedicated leased lines to connect different locations; a VPN now uses public lines and available network capability. They eliminate administrative and financial headaches associated with traditional dedicated leased lines and connection speeds are much faster allowing workers to be more productive. Particularly for remote and international locations, an Internet VPN solution offers superior reach and quality of service.

A CLIENTLESS VPN SOLUTION: SECURE SOCKET LAYER VPN

VPN technologies use tunnelling protocols to create the connection between two endpoints. Traffic within the VPN tunnel is encrypted so that communication over the Internet cannot be intercepted. Users can access a VPN server on the company network and through it other computers on the company's local network. There are several different types of VPN

connections, each with their own specifications and advantages.

The company implemented a Secure Socket Layer (SSL) VPN. SSL/ VPN is a clientless solution that does not require client software as it uses the Web browser as the client application. Another advantage is that access to the network can be restricted to specific applications using SSL/ VPN, allowing more precise access control. Access rights can be configured for different user groups.



STATIC PASSWORDS: THE WEAKEST LINK

SSL/ VPN offers a lot of benefits. Security however, has been a drawback for many companies looking to implement VPN solutions. Employees still need to logon in order to access the organization's network. Exactly that logon procedure proves to be the weak link. Hackers use many different tactics to compromise username and password combinations and therefore the company's network. Even complex password made up of a combination of capitals, letters and numbers can be easily retrieved with orchestrated attacks.

Time after time, companies are victims of fraudsters' attacks because they lack the

necessary security protocols to secure their internal network.

To enable remote access through SSL/ VPN without impacting the integrity of the computer systems and data, the international automotive company realized that they needed to apply an extra security layer to secure its corporate network.

COMBINATION DIGIPASS/ IDENTIKEY ELIMINATES PASSWORD VULNERABILITIES

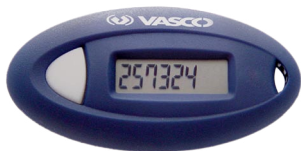
The company's IT supplier recommended VASCO to implement an authentication solution eliminating the vulnerabilities of static passwords. VASCO's DIGIPASS technology replaces static passwords, with strong dynamic passwords. The DIGIPASS devices generate One-Time Passwords based on a time principle. Passwords can only be used once and expire automatically after 32 seconds. Hence fraudsters are no longer able to store retrieved password-username combinations for later use.

The car manufacturing company opted for a customized version of the DIGIPASS with the company's own corporate colors and logos, enhancing the company's corporate image. Currently they have deployed 20 000 DIGIPASS to their employees. DIGIPASS is used by executive management, commercial employees and those working in remote and home offices. The use of DIGIPASS was very well received. DIGIPASS is a small portable authenticator and extremely user-friendly. The use of the device is self-explanatory; the DIGIPASS can be activated with one push on the button and a unique One-Time password is displayed.

The hardware device acts as a single access point into corporate networks and provides telecommuters and remote offices with a secure

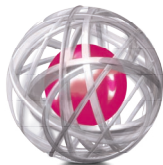
DIGIPASS®

The DIGIPASS Family is a suite of hardware and software authenticators which provide one-time password, host authentication, and digital signatures. The DIGIPASS is the most widely used credential around the world.



IDENTIKEY SERVER 3.0®

Identikey Server 3.0 is designed to support the deployment, use and administration of DIGIPASS authenticators. The server software secures web applications through integration with the SOAP-interface. As a standalone application, Identikey Server 3.0 interfaces with standard RADIUS clients and web filters, the ideal solution for secure remote access. Identikey Server 3.0 offers a modular design with centralized user management, web based administration, multi-platform support and enhanced reporting features. The software is available for Microsoft Server Operating Systems as well as Linux enterprise distributions.



IDENTIKEY

connection to the corporate network. The automotive corporation uses the hardware DIGIPASS in combination with VASCO's authentication server Identikey to secure remote access.



Identikey Server 3.0 delivers a complete turnkey solution used to verify authentication requests. As the company works in a Linux environment, the organization chose Identikey's server software because it supports Linux and interfaces with standard RADIUS clients. Identikey also allows them to integrate other applications that work via SOAP interfaces to the same authentication server, eliminating the need to invest in additional IT infrastructures. Implementation and roll-out of the server software

and DIGIPASS authenticators through a VASCO reseller and integrator went very smooth and the company can still rely on the integrator for after sales support and maintenance. The DIGIPASS/ Identikey combination proves to be a success thanks to the remarkable user friendliness; cost-effectiveness, flexibility and smooth integration. It allows employees to access the company's network anywhere at any time; resulting in a higher productivity.

OBJECTIVE

Secure VPN network for worldwide remote access.

CHALLENGE

Implement a solution that secures the company's VPN enabling remote access for executive management, remote offices and home workers. The solution must work with Linux operating systems and current applications must be integrated.

SOLUTION

The hardware DIGIPASS device in combination with Identikey is a strong two-factor authentication allowing secure remote access without the need of installing additional software on the end-user's PC. The DIGIPASS device is an extremely user-friendly and portable solution. DIGIPASS can be used as a marketing tool as the casing of the DIGIPASS is fully customizable.

About VASCO

VASCO designs, develops, markets and supports patented DIGIPASS® user authentication products for the financial world, remote access, e-business and e-commerce. With tens of millions of DIGIPASS® products sold, VASCO has established itself as a world-leader for strong User Authentication for e-Banking and for Network Access for blue-chip corporations and governments worldwide.

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