Identikey Server 3.0
DIGIPASS authentication for Software as a Service

Vasco offers Strong User Authentication with DIGIPASS and Identikey Server

As a world leader in strong authentication, Vasco Data Security is offering Identikey Server as the *de facto* server software for the protection of Internet based applications against unauthorised access.

Vasco's DIGIPASS technology has proven to be the most secure solution, replacing unsafe static passwords by dynamic One Time Passwords. This prevents that confidential login credentials are transmitted over the internet.

Through the use of SOAP, the standard protocol for exchanging data between web applications, Identikey can be linked to virtual any online application. User verification requests are sent over internet from the application to the authentication server, and the validation result is returned in the same way. This communication is done via SOAP over SSL, guaranteeing a tamper-free and secure transport of the authentication data.

Emerging trend: Software as a Service

Traditional software is installed on every individual computer. The major disadvantage is the maintenance costs: renewal of user licenses, keeping the version up to date, hardware and OS compatibility issues, etc.

With the increased performance, availability and stability of the current Internet infrastructure, other software deployments have become possible, such as Hosted Applications. Better known as "Software as a Service" or "On-Demand Applications", the software in this model resides on a server that is accessible over the Internet. The application is offered as a service by the SaaS provider and runs in the user's internet browser, usually with very little requirements on the used platform.

Advantages of Online Applications

This deployment has many advantages for both vendors and clients. Software manufacturers can sell their software directly to a worldwide audience, improvements and updates can be deployed immediately to the total install base, and upgrades can be offered instantly to all subscribers.

Customers can greatly reduce their investments as their IT infrastructure can be downsized, licensing and maintenance costs are decreased and they don't need to hire dedicated or specialized staff.

SaaS is booming

All market reports indicate a strong growth for On-Demand Applications. With an adoption rate of over 15% in Enterprises and an expected yearly growth of 33%, the message is clear: Software as a Service is booming. Not only in US, where companies have double the utilisation rate of European firms, but also in Asia, where typically the market penetration is 12 months behind, SaaS is rapidly catching up.

An Online Application for every market segment

Market reports show the highest adoption rates are for CRM, HR and Collaboration applications.
In general, Software as a Service is increasingly becoming popular in a wide variety of vertical markets:

- On-Demand CRM and ERP
- Online accounting and financial administration, corporate tax services
- E-Government and Educational Institutions
- Global office applications and projects, Corporate Portals
- Financial Applications for Online Shops, Trading, Bookmakers
- Workforce Management Products, On-Demand HR and Payroll Services
- Online subscriptions providers that want to avoid sharing of account credentials
- On Demand Applications for International Trade Management
- Healthcare, Pharmaceutical, Medical
- On-Demand Software for Public Relations Management
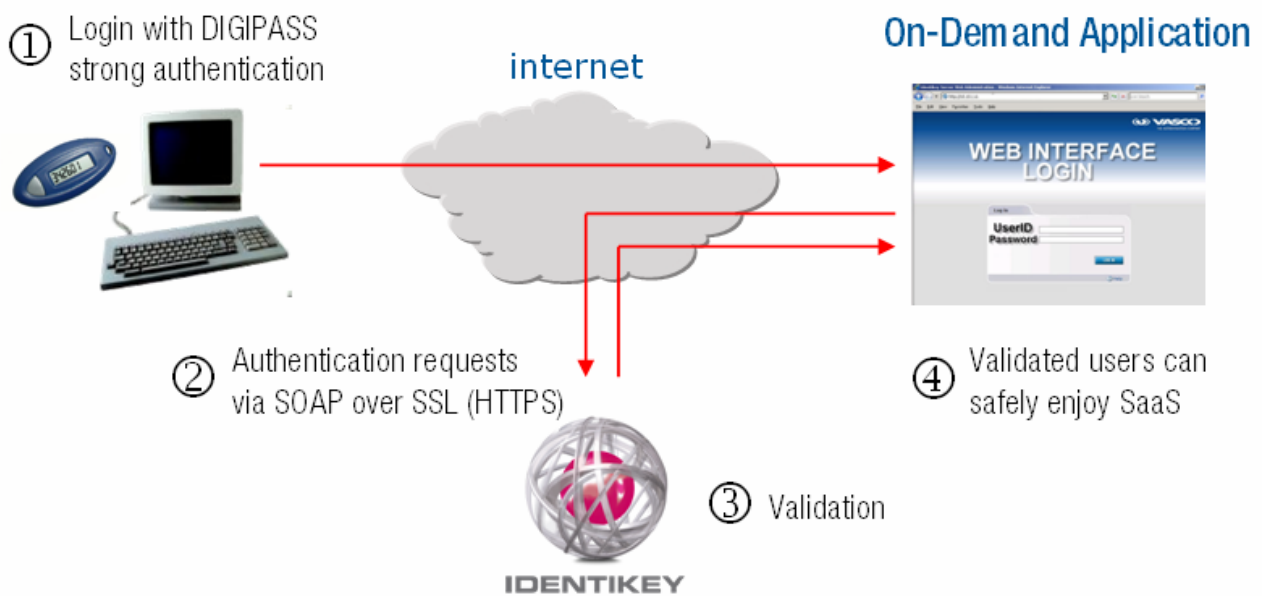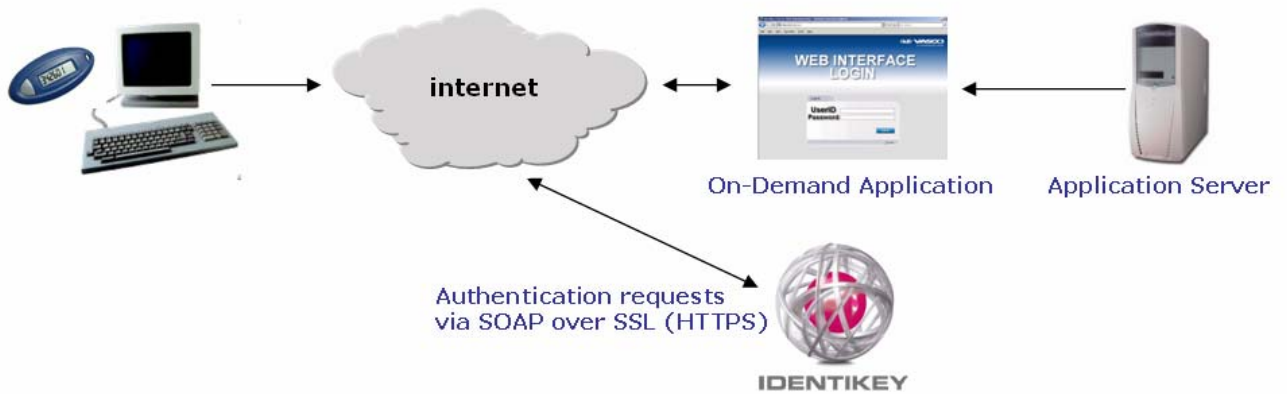
Security is key

The major concern for companies that are thinking about switching to the use of online software is security. By now, we know how to protect our car, our house, the corporate network... But how do we protect our account on an Internet-based application? Is our sensitive information safe in the hands of a third party? Is our confidential data accessible to authorized users only? These security concerns are valid, and Vasco addresses this need for a higher security level with its DIGIPASS solution.

Protect your internet application with DIGIPASS by VASCO

Vasco is offering strong authentication for web based applications by using the same techniques and solutions that are in place in the majority of financial institutions and banks around the world.
By linking Identikey to Internet Applications, small and medium enterprises can enjoy high-level security in their daily use of Software as a Service, and protect their confidential and sensitive information at affordable prices.

VASCO
THE AUTHENTICATION COMPANY

IDENTIKEY

internet

WEB INTERFACE
LOGIN
UserID
Password

On-Demand Application

Application Server

Authentication requests
via SOAP over SSL (HTTPS)

IDENTIKEY

① Login with DIGIPASS
strong authentication

On-Demand Application

internet

WEB INTERFACE
LOGIN
UserID
Password

② Authentication requests
via SOAP over SSL (HTTPS)

④ Validated users can
safely enjoy SaaS

③ Validation

IDENTIKEY

The world's leading software company specializing in **Internet Security**

Identikey Server and SaaS

By replacing insecure static passwords by a dynamically, time-limited One Time Password, Vasco's Identikey brings application security to a higher level. As users can prove that they are who they claim to be, sensitive information is exclusively available to authorised users only. Data theft and sharing of accounts have become impossible. Identikey Server is an authentication solution that can be linked to every webbased application via SOAP. As such, Identikey is a perfect security add-on for any SaaS and highly recommended for every enterprise considering the use of Online Applications.

Interesting opportunities for service providers

The complete design of Identikey was done with web functionality in mind. Several features are available to support this vision, and all functions are accessible through a web browser: Identikey can be easily integrated with internet applications via SOAP, it uses a web based administration interface and it reports user activity in HTML or XML output.

As such, Identikey Server is tailored towards providers of managed services and outsourced management. Identikey can be hosted at the IT partner, where it can be offered as an authentication service.

New business opportunities arise because of the webbased focus and integration possibilities.

Advantages of Identikey Server for Hosted Applications:

Vasco's **proven technology** offers protection through Strong User Authentication.

By using a **standard SOAP connection,** Identikey can be linked to every web application.

It is a **total solution** that is **completely webbased** and **easy to manage**.

Identikey **replaces static passwords** with DIGIPASS generated OTP.

It combines **low TCO** with **high user convenience** by seamlessly integrating in existing infrastructures.

The built-in **Reporting function** generates a complete overview of user activities.

The **Identikey Integration Program** was created to offer complete support to integration partners.

Protect your complete enterprise with Vasco's solution at the same time

Besides protecting your internet applications, Identikey Server 3.0 offers various extensions to secure remote access of your employees to the corporate network and its resources as well. Home workers, remote branch offices, traveling staff and road warriors can use the same DIGIPASS technology to safely connect through Firewall VPN, SSL-VPN or any other RADIUS equipment to the enterprise LAN and access internal servers, data storage and printers.

Also company portals, Outlook Web Access email and Citrix Web Interface applications can be protected with strong user authentication at the same time.

Eliminate unauthorised access to your confidential and sensitive information on corporate resources and exposure of important business data with VASCO's solutions.

The world's leading software company specializing in **Internet Security**

DIGIPASS Authentication for Software as a Service

VASCO's Strong Authentication features:

- **DIGIPASS** Strong User Authentication
- **Easy Integration -** no complex programming, replaces static passwords with dynamic OTPs
- **Low Total Cost of Ownership** – integrates in existing infrastructure
- **End User Convenience** –one authentication platform for multiple OTP form factors, including:
  - One Button DIGIPASS
  - Pin Protected DIGIPASS
  - DIGIPASS for Mobile Phone
  - DIGIPASS for Web
  - Virtual DIGIPASS (OTP over SMS)

Identikey Server Key Features and Benefits

- Replaces insecure logon (username and static password) with highly secure strong authentication based on one-time password technology (OTP)
- Adds strong user authentication to Software as a Service
- Easy integration with Internet applications through SOAP
- 'Out of the box' solution for organisations of any size
- Centralised administration with web based interface for easy management
- Full redundancy and automatic replication to optional backup authentication server
- User self-service web interface
- Password auto learn on first logon
- Role-based user management
- Real-time auditing and validation
- Reporting function for user activity

Supported Platforms and Compatibility

- Windows 2003 Server (32 & 64 bits)
- Ubuntu 6.06 (32 & 64 bits), Novell Suse Linux Enterprise server 10 (32 & 64 bits), RedHat Enterprise Linux version 5 (32 & 64 bits)
- ODBC compliant databases: PostgreSQL 2.8.4, Oracle 10g/11g, Microsoft SQL server 2005, IBM DB2 8.1(32 bits) and 9.1(64 bits), Sybase Adaptive Server Anywhere 10.0
- Outlook Web Access 2003, Outlook Web Access 2007, Citrix Web Interface 4.6, Generic IIS6
- Standard RADIUS equipment, RFC 2865 and 2866 compliant

More information on the Identikey solution: **www.Identikey.com**

Contact Vasco Data Security through   **www.VASCO.com**

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