



Solution Brief

VASCO DIGIPASS Authentication for IBM Tivoli Access Manager with TrustBuilder

When you trust those around you, you can build stronger relationships. And when you know you're protected, you can safely go to places you never thought possible. You see, security isn't about holding people back. It's about helping them do more - without the worry that their work will be compromised.

How can we make our business information available for the necessary communities and how do we know the right people login to our systems? Those are questions many businesses struggle with. A username and password is no longer adequate to mitigate the risks involved with sensitive and high-value transactions.

VASCO Data Security and SecurIT's TrustBuilder a strong combination

SecurIT partners with IBM and VASCO Data Security to provide a solution that enables Tivoli Access Manager to use VASCO DIGIPASS authentication to secure the access to enterprise applications.

1 SecurIT's TrustBuilder and IBM Tivoli Access Manager

Tivoli Access Manager (TAM) is the Web Access Management product from IBM Tivoli. It provides a number of authentication mechanisms out-of-the-box. VASCO DIGIPASS is not natively supported. In the TAM architecture authentication mechanisms are always linked to protected resources, not to users. As a result, resources can be protected with different authentication mechanisms but they apply to all users.

Once a TAM environment has been properly configured this works perfectly. A challenge arises when an existing user community needs to switch over from one authentication method to another to access the same resource. In practice, this can be almost impossible or very expensive for a somewhat large user community. In reality a migration phase needs to be planned where users will use one or the other method.

SecurIT TrustBuilder is a modular framework built around a powerful and configurable routing engine. Its design enables the use of multiple authentication mechanisms in parallel through of plug-ins. The authentication flow is fully configurable and is controlled by the routing engine. Moreover the Authentication flow can be influenced on-the-fly by external factors.

Some examples of external factors are:

- The company's business policy dictates when a specific user should switch to a new authentication mechanism.
- Users can decide when is the most appropriate time for them to switch to a new authentication mechanism.

It is even possible to support the change-over from one authentication method to another during log-on and adapt TAM's configuration accordingly. It is also possible to maintain different authentication methods afterwards, e.g. associated to different user communities or locations.

2 VASCO DIGIPASS

VASCO Data Security secures the enterprise from the mainframe to the Internet with infrastructure solutions that enable secure e-business and e-commerce, protect sensitive information, and safeguard the identity of users. The company's product families DIGIPASS and VACMAN® offer end-to-end security through One Time Password (OTP) and digital signature. The VASCO solutions work with any RADIUS client, offering a timely and straightforward deployment.

The VASCO DIGIPASS product family consists of a set of hardware and software authenticators that provide OTP and digital signature functionality. The following authentication mechanisms are supported:

- Dynamic passwords
- Static + Dynamic passwords
- Challenge/Response



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The VACMAN product family facilitates the integration of DIGIPASS strong authentication into business-critical applications. VACMAN Controller provides DIGIPASS strong authentication and digital signatures natively into any application, using an API regardless of your preferred OS (Operating System) or communication protocol, database management system or GUI (Graphical User Interface), from PC to mainframe.

Some Customers using TrustBuilder with VASCO DIGIPASS support

ING Bank (BE, LU, CH, RO, UA)
 KBC Bank and Insurance (BE)
 BNP Paribas Fortis Bank (BE)
 SD Worx (BE)
 Informatie Beheergroep (NL)
 Banco Antonveneta (IT)
 B. B & T (USA)
 Rabobank (USA)
 Banco Santander (MEX)

TrustBuilder and VASCO DIGIPASS

The VACMAN Controller has been integrated into TrustBuilder in order to provide seamless support for all VASCO DIGIPASS authenticators for TAM. In addition, VASCO DIGIPASS-related information is included in TAM's native LDAP user directory.

The integration between VASCO DIGIPASS and TAM supports both, dynamic and static + dynamic passwords. It uses the VACMAN Controller API from within the TrustBuilder module to verify the password.

The solution comes with an API framework to simplify user management from any C or Java based application, hiding the complexity of dealing with multiple API's (LDAP, TAM API, VACMAN API)

Business Benefits

Customers who have already invested in Web Access Management software solution from IBM Tivoli can now benefit from the stronger authentication mechanisms offered by world leader in two-factor authentication, VASCO Data Security. The combined solution offers not only a high degree of integration and security, but also easy authentication migration paths for end-customers, driven by configurable business-driven policies.

The solution also allows customer to re-use the TAM native directory as store for the VASCO DIGIPASS credentials, avoiding to build and managed yet another store for credentials.

The key features of the VASCO DIGIPASS Connector for TrustBuilder

- Supports VASCO DIGIPASS Authentication
 - response-only
 - challenge-response
- Supported Token passwords
 - one-time password
 - static PIN + one-time password
- Allows changing the static PIN of the VASCO DIGIPASS
- Uses LDAP as credentials registry
 - IBM LDAP
 - SunOne LDAP
- The LDAP connection can be secured with SSL, supporting both
 - client side certificates
 - server side certificates
- LDAP fail-over and load balancing
- Smooth migration from password to one-time password
- Compliant with Tivoli Access Manager for e-Business 4.1 and later versions
- Supported on Windows 2000, SUN Solaris, IBM AIX and Linux

