



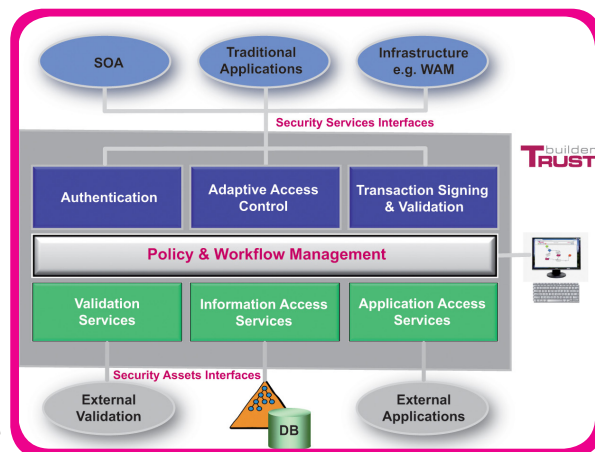
## Product Sheet

# Authentication, context-aware Access Control and Transaction Validation services

TrustBuilder® provides Authentication, context-aware Access Control and Transaction Validation services to Web Access Management solutions and other applications. To increase the productivity of the users, to decrease the number of password reset calls to the helpdesk, to be compliant with regulations and laws. Do you want to use multiple Authentication methods and Transaction Validation & Signing Services to protect user interaction. Then TrustBuilder is the solution you need!

## About TrustBuilder

TrustBuilder is a Java-EE-based Security Services framework that provides Authentication, context-aware Access Control and Transaction Validation services to Identity & Access Management solutions and/or applications. The Core platform includes a powerful workflow based policy engine and accommodates both traditional Web and SOA based environments. A plug-in architecture assures simultaneous out-of-the box support for virtually any authentication or validation mechanism, including User Name /Password, One Time Passwords, Digital Certificates, SmartCards, CAP-EMV, Biometrics, etc. Data from any directory or database can dynamically be included in the user's profile or used for context aware and risk based access control. In addition, Digital signing of Transactions protect the integrity of business critical data and keeps a non-repudable proof of the transaction's time and date, with or without application involvement.



## Authentication services

TrustBuilder Server is a Versatile Authentication Server, which can easily be configured to fulfill the most complex requirements in terms of authentication. For instance it can itself be involved in the user interaction.

The platform's security services can be called by Web Access Management solutions, applications or any other platform via regular HTTP(S)/HTML/XML/SOAP interfaces.

It also provides support for an extensive set of validation methods for authentication and transaction signing, delivering more rapid time to value.

The out-of-the-box Authentication capabilities of TrustBuilder:

- UserID/Password using LDAP, AD, databases or any other repository
- One-Time Passwords (RSA SecurID, VASCO Digipass, Gemalto Ezio and many more)
- Digital Certificates (SmartCards, Electronic ID Cards, USB, etc.)
- Biometrics (voice, finger-print, scan,...)
- Proprietary Systems
- Federation Tokens (SAML, ...)
- Software token and mobile token capability

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## Context-aware Access Control services

TrustBuilder adds the flexibility of selecting the appropriate context-based authentication and/or authorization mechanism. Gartner calls this capability "Adaptive Access Control", and it typically includes several or all of the following features:

### A Policy-based Workflow capability with

- Context dependant decision making
- Conditional execution based on previous step results

### Dynamically evaluate and retrieve

- Authentication validation to be invoked
- Asset criticality/Value
- Time-related conditions
- Endpoint-related conditions
- Network-related conditions
- Information from other system

### React according to Policy

- step-up authentication, increasing the authentication strength
- Invoke additional verification steps in the authentication workflow process

Most off-the-shelf Identity and Access Management (IAM) solutions have only partial or limited support for such Adaptive Access Control mechanisms. However, with the SecurIT TrustBuilder solution, you will have access control to web-based applications with the ability to work with multiple Authentication, context-aware Access Control and Validation mechanisms.

These additions add extensive layered security mechanisms such as the **FFIEC guidance** for the financial sector (required by many government regulations), combining these authentication mechanisms with Knowledge-based Authentication, Risk/Fraud Analysis or GeoLocation Services.

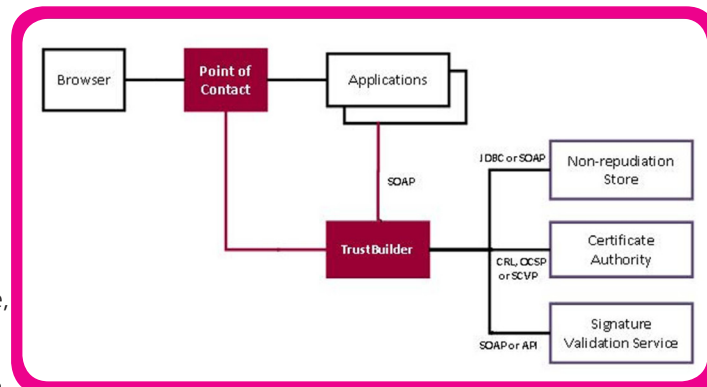
## Transaction Validation services

Many customers need to build more proof points into their business applications for safe-guarding the integrity of the transaction data and keeping a non-reputable proof of the transaction's time and date.

Examples of such transactions are:

- payment or wiring transactions in financial applications
- web-based ordering processes
- proof of delivery for an electronic object or document
- intellectual property protection

Until now, such proof points had to be built into the applications. TrustBuilder provides this as a reusable service, enabling a centralized and consistent approach to protect application transactions, and removing the need for custom applications to build this service independently.



TrustBuilder provides the security services needed to create a challenge from the critical data, present it to the user for signing, verify the signature and keep a proof in a non-repudiation store. TrustBuilder supports different signing mechanisms using tokens from VASCO, Gemalto or RSA, compliance with Visa/Mastercard's CAP/EMV standard, and X.509 certificates.

### What TrustBuilder offers

- Transaction Preparation
  - o Recognize a transaction that requires a signature
  - o Generate challenges for the transaction

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- Transaction Signing
  - o Embed challenge in transaction confirmation pages
  - o Embed signing module in transaction confirmation page
- Transaction Validation
  - o Recognize transaction confirmation
  - o Extract transaction signature
  - o Forward signature to signature validation module
  - o Enforce transaction validation

## The Benefits of TrustBuilder

- TrustBuilder can be configured out-of-the-box to accommodate virtually any customer requirements for Authentication.
- TrustBuilder has proven its product maturity and enterprise-wide scalability in many large-scale enterprise environments across the world.
- Reduce custom application development costs! Provide a consistent service across applications.
- TrustBuilder Server also comes with an easy to use Browser-based graphical administration interface to create and manage the workflows and policy.
- Transaction Validation Services can be combined with Authentication Services on the same TrustBuilder system
- Transaction Validation services can now easily be shared by multiple applications, allowing significant savings
- Open to support different Transaction Proofing mechanisms
  - √ OTP (Gemalto, RSA, VASCO)
  - √ X.509 Signatures
  - √ Compliant with CAP/EMV (VISA/MasterCard)
- Open to support new Transaction Types by generating a highly-configurable challenge over any transaction or data submitted to it.

Many customers present specific authentication requirements. TrustBuilder can work together with Web Access Management solutions to fulfill these requirements without laborious, costly custom developments and the associated maintenance burden.

More information about TrustBuilder:  
[www.securit.biz](http://www.securit.biz) or contact us.