



vAccess™

Single Sign-on and Secure Access Management System

vAccess,
a
distributed
single sign-on
&
secure
access
management
system



Path Infotech Ltd.
India | Singapore | USA

vAccess™ - Single Sign On System – “Your master Key to multiple locks”

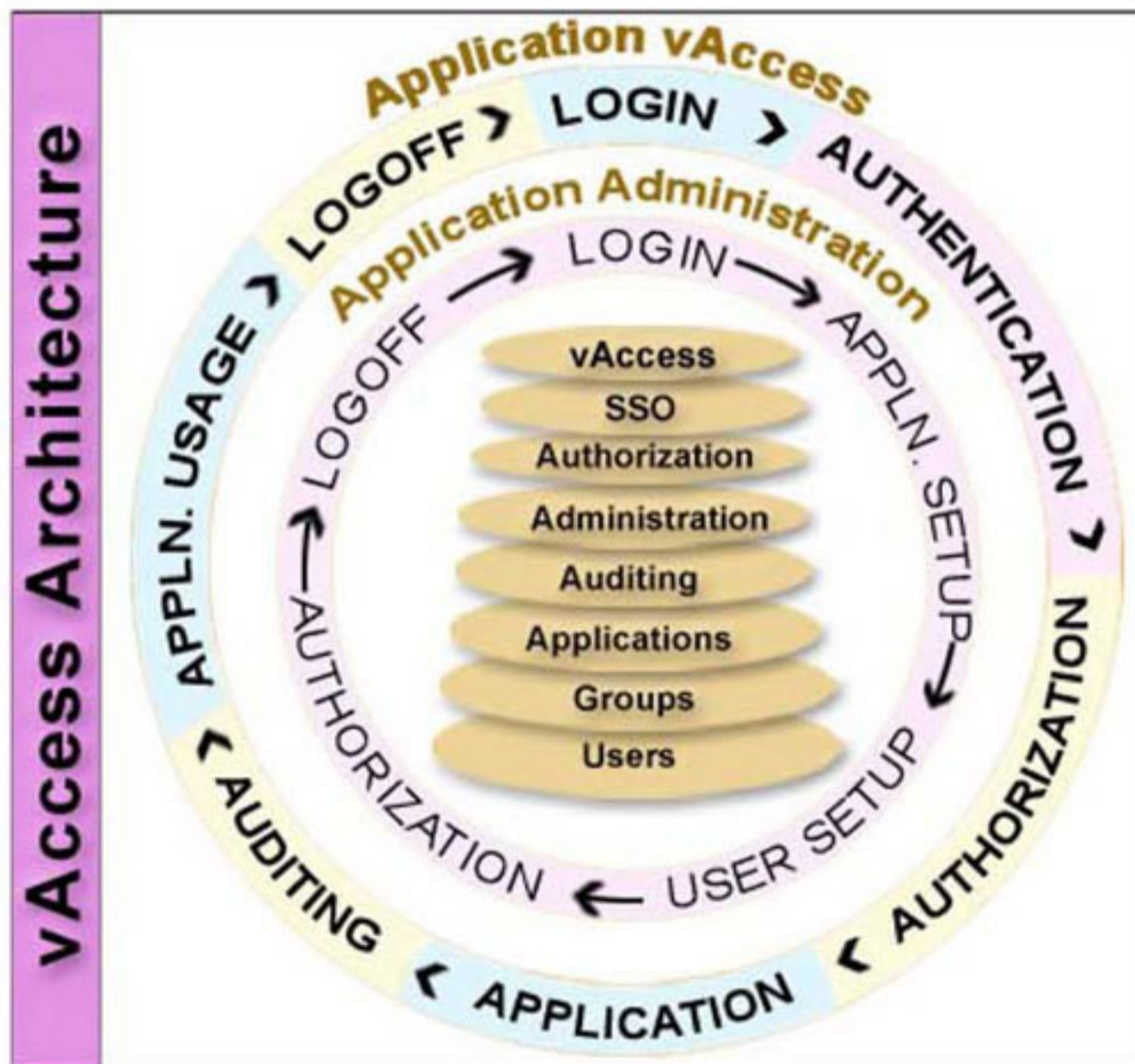
Business Needs

Today information is no more bounded in papers, folders it is required to be available anywhere, anytime to anybody authorized (**toughest part**). Every organization is not limited to having one application but multiple applications for same set of users. All these challenges create multiple applications with their own security structure, their own individual set of user-ids and password. Individual administration is big headache for each user multiplied with so many applications. To top this problem you have frustrated user remembering multiple user-ids and multiple passwords, users getting frequent messages to change passwords at certain intervals across all of their applications. Organization ends up having multiple weak security links instead of few controlled secured links. End result is user have those nice looking yellow stickies all around there screen and security at utmost risk.

Path Solution (Master key to all such problems and locks)

We at Path InfoTech understand such challenges faced by numerous organizations while working with most of our customers. Looking into these challenges we developed a solution vAccess™ - Single Sign on System – “Your master Key to multiple locks” with inputs from several of our customers. vAccess allow integrating security of all of your applications running on different systems, technologies, departments, and geographical locations into one umbrella of vAccess. Allows organization to focus all the security needs, policies, checks, and audits at one application and not multiple.

vAccess™ Architecture



vAccess Key Features

- Identify Users (Authentication)
- Provides Single Sign On across multiple applications (SSO)
- Control access privileges to a fine grained level (Authorization)
- Securely manage the users organization wide (Administration)
- Securely audit the events organization wide (Audit)
- Provides personalized content generation

vAccess integrates and provides feature-support for all the above-mentioned security requirements based on Distributed Web Architecture and also provides a common security model to enterprise wide applications.

The object details of vAccess are explained in detail, in the following sections. Various objects of vAccess are:

- Authentication, change password and account management
- Single Sign On
- Authorization
- Administration
- Unified administration for multiple third party applications
- Security auditing

Authentication

- The Authentication feature provided by vAccess supports:
- Multiple authentication schemes
- Change credential services, account management
- User session management services
- Establishes a uniform authentication model for web based applications and non-web based applications.
- Provides multiple authentication support to prove identities like user-Id / password and SSL Certificate.
- Provides Single Sign On for multiple applications.
- Offers support for password age, inactivity age, session age, and inactivity login age.
- Offers remote authentication support for multi-hosted site.
- Has a strong password implementation policy that is configurable to needs of the organization.

Global Single Sign On

- Facilitates access to multiple web applications
- Provides Single Sign On across multiple applications with or without SSL
- Change password facility made available for multiple applications.
- Has an XML compliant configuration for adding multiple applications in GSSO framework.

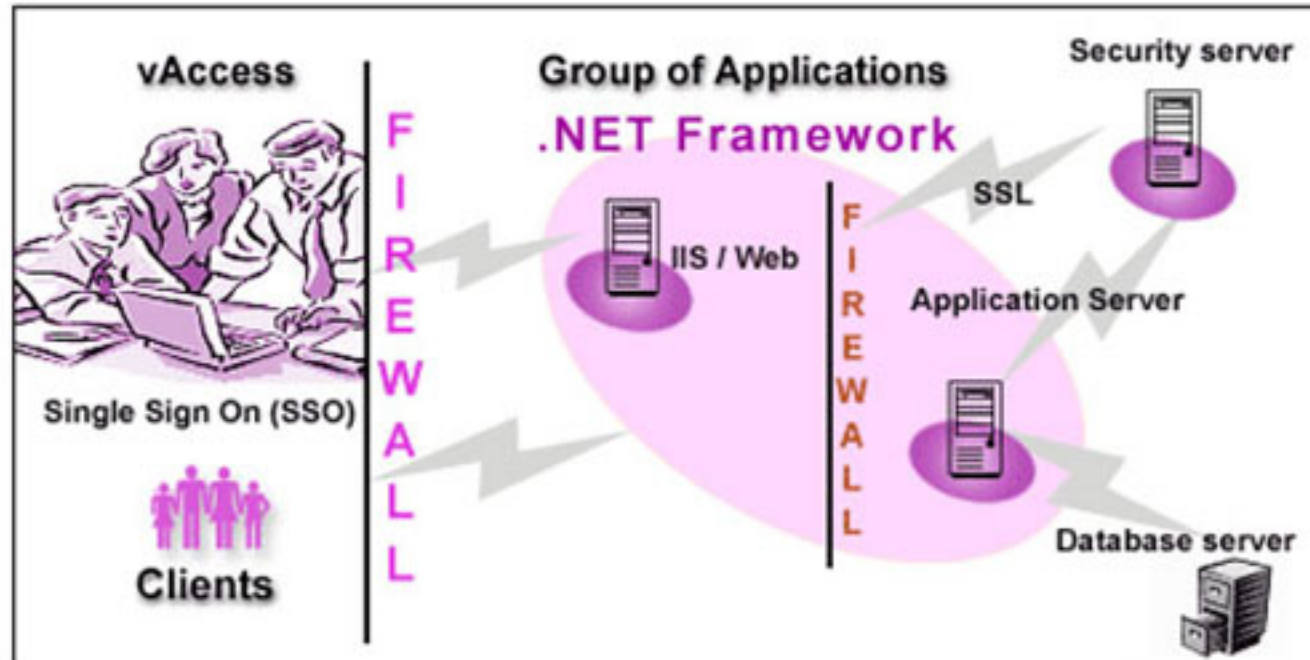
Authorization

- Offers the user, authorization services based on UserId or SessionId, Resources and Actions.
- Offers Group based Access Control associated with the user.
- For supporting collaborative authorization and access control mechanisms, Groups and Policies are clubbed under a logical model of Policy Domain.
- User Authorization Rights can be evaluated at the Group or User level.
- Provides Access Control features to a fine-grained level.
- Allows applications to offer Personalized Content to the users.

Administration

- Provides secure User administration through Administration GUI
- Allows definition and management of authentication and authorization profiles
- Supports Multiple Administration and Multiple Administrator group hierarchy
- Provides generation of reports based on user statistics
- Provides Single User administration across multiple applications
- Provides application specific password change management facility
- Security Auditing and Reporting
- Provides Security Audit Event Logging Facilities and Security Audit Event based Reporting, Queries and View Facilities
- Supports file based auditing as well as RDBMS based Auditing
- Provides Application Support for Security Audit
- Offers the flexibility to third party applications to create dynamic channel from an application and starts logging security related event into these channels

Technology Architecture



vAccess Advantages

- vAccess makes your applications more secure and manageable by centralizing authentication, access control, and administration within a comprehensive web security platform.
- Built using security best practices, vAccess eliminates the need for your developers to create and deploy user authentication and access control within applications.
- This centralized approach to web security enables you to reduce development and administration complexity and costs while improving time to market, security, and user satisfaction.

Technology Underneath

vAccess is designed and developed in-house by Path, a Microsoft Certified Partner. Obvious choice was to use core skill of company and develop this product around Microsoft platform using some of their latest products. Other factors considered were inherent benefits of Microsoft products vast installed base, stable products and skilled resources availability.

1) Deployment Architecture

- **Web Server:** Microsoft Internet Information Server (IIS) 5.0 to host Asp.Net web pages on Windows 2000 Server.
- **Application Server:** Windows 2000 Server hosting Business logic
- **Database Server:** Windows 2000 Server with Ms Sql Server2000
- **Client:** This could be any MS Windows 98 or later machine with Internet Explorer 5.5 or above.

2) Software

- VB.Net, ASP.net
- MS SQL Server 2000
- .NET Framework
- Internet Explorer 5.5+

Future Vision for vAccess

Integration with LDAP and AUTHManager.

Summary

vAccess designed and developed based on actual needs of our various customers. Developed by Microsoft certified Partner organization. vAccess manage the security risk of all the applications at one point of control by providing strongest link in security chain.

Contact Information

Please contact our Sales and Marketing for detailed product information and demonstration.

GLOBAL HEADQUARTERS

Path Infotech Limited
E-1, Sector 63,
Noida - 201 301, India
Phone : +91 - 120 - 4726 100
Fax : +91 - 120 - 4726 200
email : contact@pathinfotech.com

SOUTH & WEST INDIA

Path Infotech Limited
B-104, Crystal Plaza, New Link Road,
Andheri (West) Mumbai - 400 053, India
Phone : +91 - 22 - 4010 5078,
+91 - 22 - 2673 3946
Fax : +91 - 22 - 2673 3948

SOUTH EAST ASIA

Path Infotech Pte. Ltd.
77 High Street,
#08 - 06 High Street Plaza,
Singapore - 179433
Phone : +65 - 6776 6492
Fax : +65 - 6234 2700
email : ramsai@pathinfotech.com

WEBSITE

www.pathinfotech.com

