Mindteck eliminates security concerns by deploying AuthShield Multifactor Authentication Technology

Mindteck, a global technology company established in 1991, provides Product Engineering solutions and Information Technology services to top-tier Fortune 100 companies, start-ups, leading universities and government entities worldwide.Mindteck is listed on the Bombay Stock Exchange and is among a select group of global companies appraised at Maturity Level 5, Version 1.3 of the CMMI Institute's Capability Maturity Model Integration (CMMI).

"Multi-Factor Authentication Implementation for VPN by AuthShield"

Introduction

Client Details

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Problem faced by Mindteck

Static Passwordsare too vulnerable

Online Identity theft and fraud have become common in today's time. Unethical hackers and cyber criminals use various tools to hack and steal personal information for financial gain.

In order to secure remote access to organization's network, they needed a more robust security solution than traditional static passwords. Single-factor authentication is inadequate for remote use as it poses huge identity theft risks.Conventional static passwords can be easily obtained or hacked by third parties, gaining them unauthorized access to core systems and confidential information. They do not offer required protection against fast growing forms of online fraud like phishing, key loggers, Trojans etc.

CASE STUDY- MINDTECK

Need of Mindteck

Objective

Mindteck wanted to implement a security solution enabling employees in remote offices to securely and remotely access the organization's corporate network.

Challenge

The organization needed a scalable and proven high-security solution without compromising on user-friendliness.

Solution offered by AuthShield

Most multi-factor authentication solutions available in the market today are dependent on end point applications for integration. While VPN and Firewall vendors have made provisions for 2FA, most other application vendors have not made any such provision in their programs thereby providing a backdoor to hackers to get in. *AuthShield* *integrates second factor of authentication using a protocol decoding mechanism. This is a patent pending technology which integrates Multi Factor Authentication (MFA) at a protocol level rather than integrating the solution at client end interfaces. The integration at protocol level ensures that AuthShield can be integrated in even those applications which do not inherently provide support for Multi Factor Authentication (MFA) including SAP, Microsoft Exchange, Oracle communication messaging servers, Database Queries etc.*

Implemented Solution Details

AuthShield did a direct integration of **Multifactor Authentication solution** with the VPN. The protocol decoding engine identifies and decodes the authentication packets and checks whether the client has to be prompted for second factor of authentication or not. In case the client has to be prompted for second factor of authentication, the second factor of authentication needs to be validated.

Multifactor Authentication Implementation for VPN

VPN connects multiple users or servers over a single network creating point to point connections by creating an encrypted tunnel which is secure from eavesdropping and restricts the unauthorized access of the illegitimate users. Users are required to use username and password for logging onto the corporate network. But, if the account gets hacked, the transmission of organization's valuable data is at jeopardy.

Technical Architecture
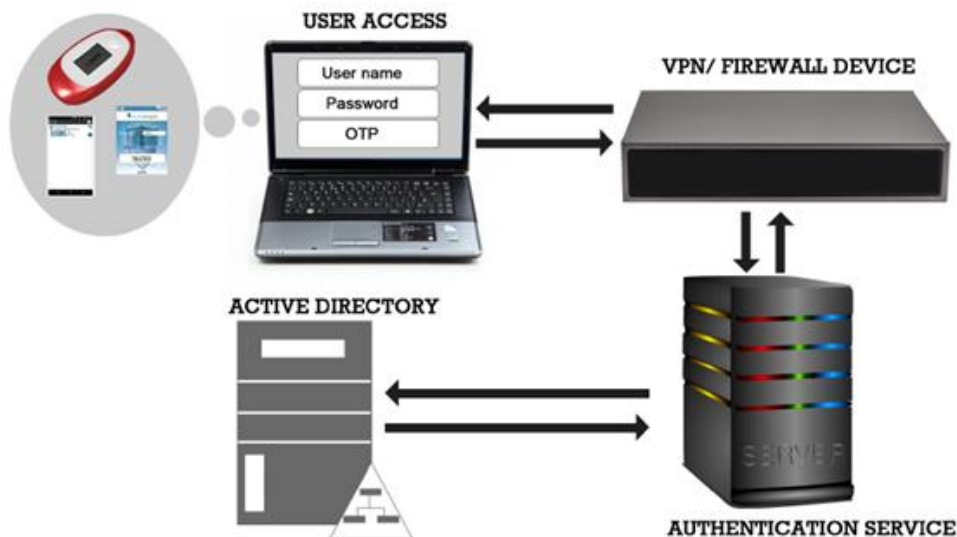
Process

- The client logs into VPN by entering his user name, password along with One Time password.

- The username and password are validated from Active Directory (AD) while username and One Time Password are authenticated from the Authentication Server.

- Once validated, the client will then login to the VPN.

Solution offered by other vendors

All other multifactor authentication vendors have no solution for applicationswhich does not have an inbuilt mechanism for providing MFA. In their cases, Authentication Security has been limited to applications which provide inherent support for MFA.They offered a standard integration to Mindteck with comparatively much higher cost.

Why our solution was chosen over other solutions

- ❖ Only organization providing Multifactor Authentication Security at **Protocol Layer.**
- ❖ Robust and Proven Technology
- ❖ Competitive Prices
- ❖ Seamless integration with any application
- ❖ Flexible Network and Time Policies
- ❖ Simple Deployment Model and Unparalleled Support

AuthShield Multi-Factor Authentication offers High-Return on Investment

Multi-factor authentication is a far more robust security solution than traditional password authentication as it requires two separate security elements. Intruders not only need to obtain a password or PIN code, but would need the physical authentication device in order to access the corporate network and its applications.

About AuthShield Labs

AuthShield is an Authentication Security solution with a **patented technology** on implementing **Multifactor Authentication at a protocol** level. This makes it an application independent technology and needs no changes at the application. As an advantage of working at protocol rather than application level, an organization can use AuthShield to implement multifactor Authentication in any and every technology such as **Downloading mails on phones / desktops, SAP, Database queries, Internet of Things,** or any other enterprise or cloud technology in a matter of minutes.

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