Increase Partnership Value with a Secure Vendor Portal
Agenda
Securing the Vendor Portal

This session will discuss how an organization can improve its vendor relationships by securely delivering MicroStrategy driven business intelligence to partners.

- Multi-Factor Authentication (MFA)
- How the MicroStrategy Platform addresses MFA
- Securing MicroStrategy Analytics
- Automating Vendor Enrollment
Grant Szabo, CISSP  
Vice President, Field Engineering, Usher

- MicroStrategy Tenure: 7 years

- Global leader of Usher Field Engineering, responsible for Worldwide Pre-Sales and Post-Sales Advisory & Field Based Innovation.

- Began with Usher in 2013, 2 years ahead of GA, doing field based research with early adopters.

- Possess two masters degrees, including Masters of Information Systems. CISSP, Microsoft MCSE, MCSD, MCSA, MCDBA, and MicroStrategy MCD.

- More than 25 years in Technology with broad experience in networking, infrastructure, and security, combined with software architecture and design. Prior work experience as Chief Information Officer.
Multi-Factor Authentication
What is it and Why it’s important
Weaknesses of Relying on Passwords & Tokens
Poor Usability, Poor Security, Expensive

Passwords: Poor Usability, Poor Security

- 46% • Routinely forget their passwords
- 51% • Reuse passwords
- 37% • Write passwords down
- 9% • Save them on their computer
- 25+ • Avg. number of personal passwords = 17
  • Avg. number of business passwords = 8.5

Tokens: Poor Usability, Expensive

- $$$ • Expensive to Distribute
- 😞 • Difficult to Use

Most popular passwords:

1. password
2. 123456
3. 12345678
4. 1234
5. qwerty
6. 12345
7. dragon

Password Sharing between vendors can also occur...
Multi-factor authentication is a characteristic of an authentication system or a token that uses more than one authentication factor. The three types of authentication factors are *something you know, something you have, and something you are.*

— *NIST SP 800-63-2*
Three Factors of Authentication
Secret, Possession, Biometrics

Something YOU KNOW
Password, PIN, Secret Questions

Something YOU HAVE
Tokens, Keys, ID Badges

Something YOU ARE
Biometrics: Fingerprint, Voice, Behavior
The strength of authentication systems is largely determined by the number of factors incorporated by the system. Implementations that use two factors are considered to be stronger than those that use only one factor; **systems that incorporate all three factors are stronger than systems that only incorporate two of the factors.**

— *NIST SP 800-63-2*
Unified Mobile Identity with Enterprise Visibility

Aggregate *multiple* accounts, authentication methods, and access controls
Usher Multi-Factor Authentication

Augment or replace traditional methods

- Physical badges
- Passwords
- Hardware tokens
- Keys

Additional Badge Policies Include:
- Geo-Fencing
- Time-Fencing
- Touch ID / Fingerprint

Tap for additional profile information

Swipe left and right for additional badges

Configurable Time-Limited Usher Code

Sales Badge

Grant Szabo
Vice President, Field Engineering, Usher

Usher Code
0990

© 2017 MicroStrategy Incorporated. All Rights Reserved.
Logical Authentication Methods with Usher
Multiple Methods of Logical Access without Passwords or Hardware Tokens

1. Scan QR
2. Push Notifications
3. Proximity
Securing MicroStrategy Web
Using MicroStrategy Usher
Native Integration with MicroStrategy (or SAML as of 10.8)

1. Setup on Usher Instance
Native Integration with MicroStrategy

2. MicroStrategy Intelligence Server Setup
MFA Ready to Use
Your Project has been “Usherized” in 2 simple steps
Authentication Supports Multiple Access Methods

Access using Scan or Push
Usher Badge Provisioning Methods
Usher Supports Many Directory Services for Derived Credential Creation

Usher has built in support for:

- Microsoft
- Okta
- OpenLDAP

As well as:

- Salesforce
- Google+
- WordPress

And…

- Manual Data Entry
- CSV Upload
- API Insert
Email or Phone Number Ownership
Push Badges to Users via a Unique Link

Email is Delivered
Enforce Badge Policy
Badge is Available
Securing the Vendor Portal
Automate Badge Provisioning to Partners
Automating Vendor Enrollment in Usher
For Automated User Enrollment in Usher

Organization Backend

User Information

Usher Server

+ Command Manager

Usher Import Tool

Badge

SDK

Edit Profile

Vendor Portal Signup
Customer Success Story
Contract Signed Q2 2015

Retailer wanted to authenticate users into their Vendor Management System in a secure and efficient manner that also provides a superior user experience. This vision was realized by replacing the portal’s traditional mode of authentication (usernames and passwords) with Usher.

Use Cases
- Logical Access to MicroStrategy Vendor Portal

Number of Users
- 4,600 vendor users initially, has grown to 9,200 as of December 2017

Value Proposition
- Retailer was looking for a secure solution that could register and authenticate users into their vendor portal, which could also guarantee that only a human is interacting with the dashboards within the system
- Usher was not only able to deliver this solution, it also enabled Retailer to perfectly monitor and regulate system usage

Why Selected Usher
- Usher prevents unauthorized access by eliminating the possibility of ‘password-sharing’
- Usher Analytics provides global visibility of users, thus enabling early detection of anomalies
- Usher excelled during multiple rounds of rigorous testing at Retailer

Future Plans for Expanding Usher
- Continued expansion of the number of vendor users
- Completely decommission the old vendor portal that was running as a backup
Try Usher Today
Experience Usher for Free
https://experience.usher.com

Experience Usher

Usher is a revolutionary digital identity product built on the MicroStrategy platform. It provides secure logical and physical access and enhances enterprise productivity by replacing passwords, tokens, and physical IDs with secure mobile identity badges. Take a tour of the Usher Virtual Lab using a test badge and experience firsthand how Usher streamlines enterprise access and authentication.

Download the Usher app and get a badge

Already have a badge? Start the tour »