Convenient and Secure Logical and Physical Access for Users

Leveraging Enterprise Data for Improved Organizational Efficiency

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Agenda

• Usher Badge

• Logical Access

• Facility Analytics
Enterprise Internet of Things (IoT) with MicroStrategy 10

The Usher Badge can capture information from different types of touchpoints throughout the day, logging 1000s of lines of machine-like transactions.

- Scans barcode while buying lunch at cafeteria for loyalty points
- Validates identity over phone with helpdesk using Usher Code
- Accesses garage lift-gate, elevator, and office floor using beacon sensing
- Uses two-factor to VPN into business system from home
- Attends workout class; attendance automatically logged via beacons for fitness competition
- Uses web SSO to switch between web-based applications and log progress on team projects
- Unlocks work computer via Bluetooth proximity
- Scans QR code to validate parking and leave for the day

The Usher Badge can capture information from different types of touchpoints throughout the day, logging 1000s of lines of machine-like transactions.
Logical Access: Log in to Applications
Usher strengthens cyber security by replacing passwords with biometric mobile identity

Log in to web applications without passwords

Automatically unlock workstations using Bluetooth

Strengthen SSO systems and implement mobile app SSO

As simple as scanning a QR Code or approaching a computer with a smartphone
No passwords to be managed, reset, or stolen
Usher sends the user’s identity to the system via out-of-band, PKI secured channels
Physical Access: Unlock Entryways
Secure every entryway with biometrics while offering greater convenience and manageability than physical keys

- Tap an **Usher Key**
- Scan an **Usher Stamp**
- Automatically unlock doors with **Bluetooth**
Agenda

Usher Badge

• Logical Access

• Facility Analytics
Workstation Access without Typing Password
VPN via Push Notification
Authenticating to Web Applications: Single Sign-On
Single Sign-on (SSO): SAML and OpenAPI Integrations

**SAML2**
- Wordpress
- ADFS
- Dropbox
- GitHub
- Asana
- New Relic
- Pulse Secure
- Cornerstone
- Salesforce Desk
- Box
- Slack
- JoinMe
- Xactly
- CAS
- SmartRecruiters
- Yammer
- GoToMeeting
- Salesforce
- Ping Identity
- Microsoft Azure
- Okta
- Remedyforce
- Eloqua
- AirWatch
- MicroStrategy
- Zendesk
- Flowdock
- Amazon Web Services
- Rally

**OpenID**
- Salesforce
- Google Apps
- Slack
- Dropbox
- Microsoft Azure
- GitHub
- Okta
- API

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Serving your External Users with Usher: API
Usher Badge for Multi-factor Authentication
“Something you are/know” with “something you have”
Usher Badge for Multi-factor Authentication

“Something you are/ know” with “something you have”

Convenient two-step verification!
Agenda

- Usher Badge
- Logical Access
  - Facility Analytics
Physical Access Demo
Secure and frictionless access to facilities and remote offices
The Usher Badge can integrate with a variety of Physical Access Control Systems (PACS) that organizations already employ. This lets users unlock PACS-protected gateways and doors using the Usher Badge by simply walking up to them. Other options for authentication include tapping digital keys, NFC tags, or scanning a QR code on the Usher Badge.

MicroStrategy offers pre-built integrations with popular PACS like Lenel OnGuard, Tyco C-Cure 9000, Paxton Net2, S2 NetBox, and more.
Beacon Proximity Logging for Facility Intelligence
Simple process to gather time and space insights of the customer

1. Enter zone
2. Detect and log
3. Drive Analyses

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<th>Badge ID</th>
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Usher Analytics: Telemetry Dashboard Example

Beacon data applied to a floor map
Visitor Application: Secure Vendor Access

Improve the supply chain with vendor badges for accessing designated applications, portals or facilities

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The Challenge

Many times vendors request or require non-delegated access to resources to complete tasks. The plastic or paper ID cards upon which they rely are easily lost, stolen, or counterfeited, while temporary levels of access can be difficult to customize, activate, and deactivate. In order to truly secure their facilities and systems, organizations need to embrace technology that allows managers to quickly and easily provision and revoke access privileges to vendors.

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The Solution

With the Usher Badge, it is easy for facility, operations, office, and IT managers to quickly issue and revoke temporary digital badges for vendors. Once issued, vendors can use the Usher Badge to securely access facilities, services, and VIP events and meetings during designated periods of time, thereby giving vendors access and making sure they can perform their duties in a timely manner.
Utilization Application: Facility and Physical Asset Utilization
Collect telemetry data to provide insights into usage of office workspaces and physical assets

The Challenge
Enterprises face increasing demands for more effective facility management to optimize utilization. Getting utilization insight from existing physical access control systems is very complex and provides limited insights for large global organizations.

The Solution
Enterprises can leverage MicroStrategy dashboards to effectively monitor, analyze, and manage workspace and resource utilization across offices in multiple locations. Using a holistic view of peak usage versus average utilization and total versus allotted numbers, it is possible to track and compare space usage to office resources for the sake of capacity planning and cost reduction.
Security Application: Facility Access Management
Create and enforce organizational security policies with real-time visibility into access data

The Challenge
Many enterprises have poor visibility into access at their various facilities. A lack of real-time visibility into access patterns and user behavior, coupled with multiple badges for individual users and manual timekeeping processes, can lead to security vulnerabilities and missed opportunities for driving productivity improvements.

The Solution
The Usher Badge on users’ smartphones enables organizations to seamlessly control access to global facilities. Users can quickly unlock doors via Bluetooth proximity, or by tapping a digital key on their phone. The Usher Badge also generates real-time user location data, giving management and facility administrators a high-level view of where team members, vendors, and suppliers are working, which can also improve collaboration and communication across large organizations.
Thank You