Defence contractor supplier replaces Azure MFA with Authlogics to resolve major compliance headache

Orion Technology used Azure MFA with Active Directory and whilst this proved sufficient for cloud-based applications it lacked the MFA necessary when physically logging in to Microsoft Windows.

The Challenge

Orion Technologies works with defence contractors where securing information is of paramount importance and compliance with the different defence safeguarding controls such as **DFARS 252.204-7012** and **NIST 800-171** is essential. Among these requirements is access control to the information system, which requires multi-factor authentication (MFA).

The company had used Azure MFA with Active Directory and whilst this proved sufficient for cloud-based applications it lacked the MFA necessary when physically logging in to Microsoft Windows. This presented Orion Technologies with a major compliance headache.

The Solution

Manager of Information Technology at Orion Technologies, Sofiane Salaoudji explains:

"We looked at different solutions including hard-tokens but these were expensive when taking in to account both the initial costs and then the need to replace misplaced and damaged tokens. The logical choice was to use soft-tokens, but they offered a limited range of services. Then we were introduced to Authlogics and it offered everything we needed and more."

Authlogics delivers award-winning authentication technology to create secure multi-factor authentication, password replacement and cloud single sign-on solutions.

It provides comprehensive device-less (1.5 factor), multi-factor and transaction signing (3 factor) multi-factor authentication technology. In consultation with Authlogics, Orion Technologies deployed its Windows Desktop Logon Agent.

The solution takes advantage of Authlogics' patented PINgrid pattern-based authentication technology, to provide Orion Technologies with a simple and reliable replacement to the Windows password during the CTRL+ALT+DELETE login process.

The Benefits

Following a fast and seamless deployment, the entire organisation now uses the Authlogics Windows Desktop Logon Agent to securely access Orion Technologies' information systems.

Every time an employee logs on to Windows the first thing they see on screen is the PINgrid challenge. They simply respond by keying in the digits that appear in the boxes, corresponding to their unique pattern sequence, which they securely set-up when they were enrolled on the system.

"Using a pattern is a very clever and user-friendly alternative for anyone who hates dealing with the complexity of passwords"

explains Salaoudji. The only person who knows the pattern is the employee authorised to use it. He concludes:

Solution highlights

- Comply with regulatory requirements:
  - DFARS 252.204-7012
  - NIST 800-171
- Secure Windows CTRL+ALT+DELETE logons as well as Cloud based applications
- Device-less 1.5 factor authentication without the expense of hard or soft tokens
- Fast and seamless deployment
- Good return on investment with immediate and long term benefits

A simple and reliable replacement for the Windows password

"Authlogics is a revolutionary technology that is neat, very different and simple, yet very effective. Our investment in Authlogics is certainly money very well spent and I can certainly say that I see and will continue to see its benefits over the years."

About Orion Technologies

Based in Orlando, Florida, Orion Technologies, LLC specialises in embedded single board computers (SBC) as well as full system design and development. Its cutting-edge technology is used in a variety of military, industrial, and commercial applications.
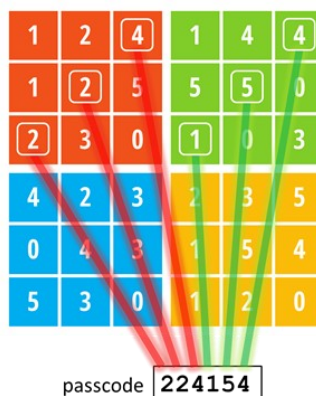
PINgrid Authentication

Traditional 2 Factor Authentication is based on the concept of pairing 'something you have' (a token) with 'something you know' (a PIN or password) with the intention of identifying users.

Challenges arise when that 'something you have' is used by an unauthorised individual. Or if the 'something you know' becomes compromised – a PIN is hacked by keystroke loggers for instance.

PINgrid replaces conventional tokens with a grid that can only be used by a single individual. It's of no use to anybody else. The 'something you know' - the pattern - is never divulged and remains private throughout the logon process.

Delightfully simple. Deceptively secure. By fusing 'something you have' with 'something you know' and rendering them inseparable, PINgrid prevents reverse engineering and increases logon security significantly.

passcode 224154

Product & Feature Usage:

- Authlogics Authentication Server installation
- Desktop Logon agent deployment
- PINgrid authentication

About Authlogics

As a global market leader in compliance and user authentication, at Authlogics we believe that increasing password security shouldn't have to mean compromising simplicity.

Our product suite offers users a complete, three-step solution for transitioning to modern authentication processes.

From our unique password compliance solution (Password Security Management/PSM), through our award winning multi-factor authentication (MFA) technologies, to enabling users with a completely password-less environment, at Authlogics we enhance your network security whilst maintaining an easy and uniform user experience, whether you're on mobile, desktop, or cloud.

Authlogics

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