



## CASE STUDY: Salisbury NHS Foundation Trust

# NHS Trust turns to Authlogics to simplify their password policy and improve logon security.

When Salisbury NHS Foundation Trust needed to find a new way of managing the many thousands of passwords in use across the entire organisation, it turned to Authlogics. Its Password Security Management ensures every password is strong, complies with the latest best practice guidance and has never knowingly been compromised.

### The Challenge

A penetration test revealed passwords as a potential area of vulnerability, so the Trust's immediate response was to find a way to resolve the issue, without burdening the organisation with additional and unmanageable administration.

Richard Gibson, Operations Manager, Informatics at Salisbury NHS Foundation Trust explains:

*"You can ask staff to reset their passwords, but the tools available to confirm that the password chosen is of adequate strength and complexity are typically manual, time consuming and do not allow a fast-enough response time."*

*"What's more, if the most complex and sensible password is mismanaged, or has been previously compromised, its strength is diminished."*

After being introduced to Authlogics the Trust took the decision to roll out the Password Security Management across every Active Directory account, including all service and user accounts.

### The Solution

The Password Security Management is a small piece of software that resides on the Trust's IT network, securing the corporate Active Directory. When a member of staff attempts to create a new password, the Password Security Management

automatically cross-references the proposed credential against NIST SP 800-63 Digital Identity guidelines for good password practice.

Simultaneously, it checks against Authlogics' continuously growing Password Breach Database of more than half a billion known breached passwords. If the password is present on this cloud-hosted blacklist, the user must submit an alternative. The entire password checking and resetting process can be complete in a matter of seconds.

### The Benefits

Gibson adds:

*"We were impressed by the simplicity of the Password Security Management, coupled with the fact it is fully automated and provides audit reports, to ensure we are in adherence with the latest password best practice."*

These reports highlight how many passwords in current usage have been breached, and how often, as well as the likelihood of them being in active use for personal email accounts.

The next phase of the project is to expand the use of Authlogics, to include its pattern based multi-factor authentication technology - PINgrid - across all hospital property laptops. Gibson continues:

*"We want to ensure that any laptop that leaves the confines of the hospital is locked down to all bar the person authorised to access it."*

### Solution highlights

- Deployment of Password Security Management and Multi Factor Authentication.
- Comply with regulatory requirements and latest best practice:
  - National Cyber Security Centre (part of GCHQ)
  - NIST SP 800-63B
- Simplify existing password policy to make setting passwords easier for staff while ensuring they are safe to use.
- Ensure non-breached passwords are used.
- Help ensure accountability of staff through unique logon information.



Salisbury  
NHS Foundation Trust

Authlogics



[www.authlogics.com](http://www.authlogics.com) | End-to-End Authentication. Simplified.





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# A simple replacement for the legacy Windows password policy.

Today, the Trust has the confidence that every password in use for every service and regular user account, has not been previously compromised and meets the guidance of NIST and the National Cyber Security Centre (part of GCHQ).

### About Salisbury NHS Foundation Trust

Salisbury District Hospital is managed by Salisbury NHS Foundation Trust. The Trust is a specialist regional centre for plastic surgery, burns, cleft lip and palate and genetics and provides a specialist service for people across much of southern England who have a spinal cord injury. The Trust has around 470 beds.

### Password Security Management

The Authlogics Password Security Management (PSM) is designed for IT managers and CISOs who require protection from identity attacks, and what simplicity for users while reducing helpdesk costs. PSM is a non-intrusive solution that ensures all users have a secure password which complies with the latest NIST SP 800-63B password policy standard. Unlike traditional MFA vendors who, despite relying on passwords within their solution, don't provide any password security or management, our solution removes the

password complexity burden from users while ensuring the password they have chosen has not already been compromised.

PSM analyses password changes in real-time and uses a combination of granular policy controls, a rules engine, a custom blacklist, heuristic scanning and is powered by the Authlogics Password Breach Database of over 520 million previously compromised passwords to keep your Active Directory safe and compliant.

### Cloud Password Blacklist

Ensuring that compromised usernames and passwords from an unrelated security breach are not used to gain access to corporate systems is a crucial part of meeting the NIST password guidelines.

Our cloud-based password blacklist consists of over 520 million compromised passwords collected from previous data breaches and attacks and is continually updated. An on-premises installation of the blacklist database may also be deployed if required.

Password Security Management performs secure and anonymous checks against this database, only accepting it if it is not found in this list.

### Product & Feature Usage:

- Password Security Management deployment
- Authlogics Authentication Server installation
- PINgrid authentication
- Password-less Windows logon with the Windows Desktop Logon Agent

**81%**  
of data breaches in 2017 were the result of stolen or weak passwords

**5 MILLION**  
records are compromised every day

**HOW SAFE**  
is your company's data?

### 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 to 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



www.authlogics.com | sales@authlogics.com | +44 1344 568 900 | +1 408 706 2866