

# Northdoor's Egress anti-phishing solution

Email phishing remains an enormous challenge in cyber security, responsible for 22 percent of all data breaches. Historically, solutions for protecting against phishing have relied on fairly rigid and basic detection technologies, backed by unsustainable effort from IT security professionals and unrealistic expectations about user awareness.

**Northdoor offers next-generation anti-phishing: an AI-based solution that uses machine learning to intelligently adapt to evolving threats, enhancing protection while reducing the strain on IT staff and users.**

Email phishing can take many forms, from mass-mailings with links to malware-infested websites to sophisticated whale-phishing attacks that personally target senior executives. The common feature of all such attacks is that they impersonate a person or a brand in an attempt to convince the recipient to take an action—typically, clicking on a harmful link.

Ultimately, most phishing attacks are attempting to steal the user's credentials by causing them to download malware, and as such they are the most common entry point into the network for hackers. Beyond its direct financial impact—the FBI estimates

that more than \$9 billion has been stolen in attacks since 2015—phishing takes advantage of users to create a beachhead on the corporate network from which mission-critical systems can be compromised. It goes without saying that the potential damage can stop a business in its tracks.

Northdoor's AI-based Egress Defend anti-phishing solution uses proprietary, next-generation machine learning and advanced analytical techniques to change the rules of the game. By intelligently analysing content and user behaviour, the solution protects effectively yet unobtrusively.



## Northdoor's Egress Defend anti-phishing solution:

- Highly effective against advanced zero-day attacks
- Deep linguistic analysis of content and metadata
- Non-disruptive deployment and cloud integration
- No additional work for security administrators

## Security arms race

As IT security vendors pioneer new tactics in detecting and preventing phishing attacks, an arms race has developed with cyber criminals, who continuously adapt their approaches to defeat the new tactics. Conventional approaches combine user education with techniques such as keyword detection, rules-based detection, reputation-based detection, header authentication and sender blacklisting. But these approaches struggle to cope with the complex obfuscation techniques employed by cyber criminals, often require disruptive deployment, and also overload IT staff with responsibility for manually updating rules.

Northdoor offers the Egress Defend anti-phishing solution, which addresses these historical shortcomings. Like all good cyber security solutions, it provides protection without overloading or irritating users and IT employees. As the first enterprise-class solution influenced and guided by UK Government and Cyber Intelligence agencies, the solution is tightly integrated into Microsoft Office 365 and Google G Suite for seamless deployment to any user on any platform: desktop, laptop and mobile.

## Advanced defence against phishing

Drawing on more than 100 algorithms for linguistic and technical analysis, the solution checks all incoming emails for indicators of compromise, classifies each email and inserts user-friendly warning banners where appropriate. URL-rewriting prevents direct access to malicious websites, and the solution automatically learns and adapts without intervention from users or IT staff.

As a cloud-based subscription service offering full integration with both Microsoft and Google cloud email services, Egress Defend is fast and easy to deploy, with no software installation or rules creation. Co-existing with any other cyber security solutions, Egress Defend works across all email client software on any physical device, and provides security managers with visibility into the threats they face.

In addition to protecting against financial losses and damage to mission-critical systems, the AI-powered solution saves time and effort for IT staff by eliminating the need to create and tune rules. What's more, it's fully GDPR-compliant: helping to protect against regulatory risks.

## Northdoor's Egress Defend anti-phishing solution:

- Automatically profiles each organisation to learn typical attack types
- Automatically profiles each user to determine normal message flows
- Understands email sentiment along with emotive and coercive wording
- Analyses message source and discovers hidden content
- Automatically learns as attackers change their tactics.

## For more information

To find out how Northdoor can help you deploy Egress Defend for advanced protection against phishing attacks, contact us or visit [northdoor.co.uk](https://northdoor.co.uk).

<sup>1</sup> Source: Verizon 2020 Data Breach Investigations Report  
<https://enterprise.verizon.com/en-gb/resources/reports/dbir/>

