

# Multi-Factor Identity Authentication: The Gatekeeper of Digital Security

Identity authentication is your digital gatekeeper.



**BUT** one form of authentication may not be enough...



**73%** of online account holders use the same password for multiple accounts.

**53%** of consumers use 5 or fewer passwords throughout their life.

**70%** of consumers lack a high degree of confidence that their passwords can protect online accounts.<sup>1</sup>

**95%** of breaches are the result of stolen credentials.<sup>2</sup>

Like gatekeepers, the more levels of authentication you have, the more secure your documents are.



**52%**

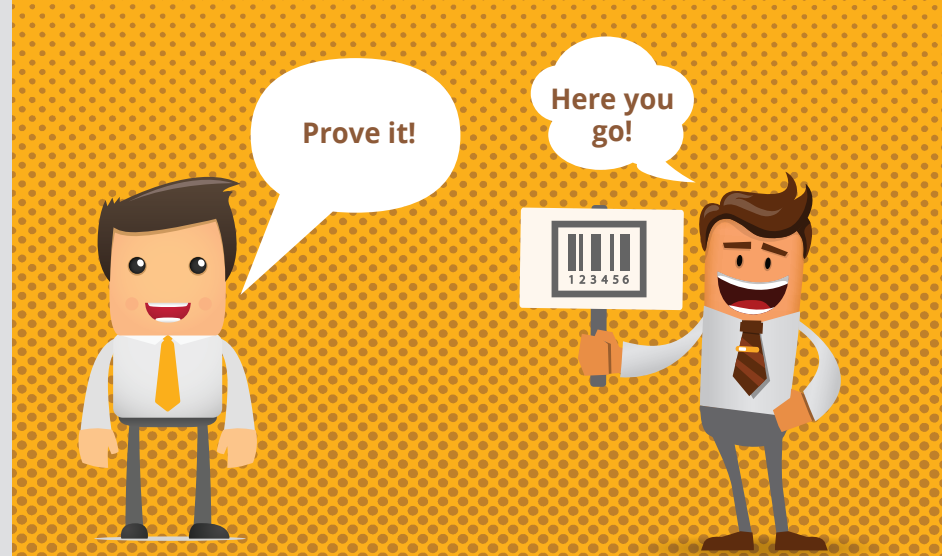
of Federal civilian cybersecurity incidents could have been prevented by two-factor authentication<sup>3</sup>.

**Multi-factor identity authentication** uses at least two factors of identity authentication to let the **RIGHT** people **IN** and keep the **WRONG** people **OUT**.

## One-Factor Authentication



## Two-Factor Authentication



## Multi-Factor Authentication Combines

**-or with-  
Something you are**



Fingerprint



Voice print

### Something you know



A username and password



Your personal information



Account number

**-with-**

### Something you have



A code sent via a text message



Personal Identity Verification (PIV) card



Mobile phone

**Multi-factor authentication is gaining ground in the workplace.**

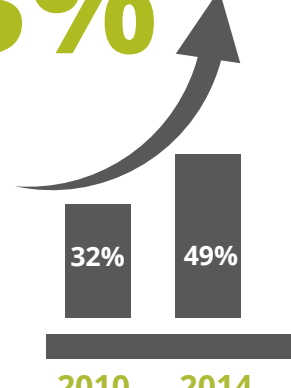
**41%** of enterprise organizations use mobile devices for multi-factor authentication.<sup>4</sup>

**90%** of IT departments plan to implement two-factor authentication for access to cloud applications.<sup>5</sup>

**In the healthcare industry, multi-factor authentication is used to safeguard protected health information.**

Since 2010, support for two-factor identity authentication among non-federal acute care hospitals has grown

**53%**<sup>6</sup>



## Most Popular Factors

- Email authentication**  
Correct username + password to access email link
- Text message authentication**  
Supply a one-time pass code sent via a text message
- Shared Secret Questions**  
Supply a one-time pass code sent via a text message
- Know Your Customer**  
Supply correct social security number and date of birth
- Knowledge-Based Authentication**  
Supply social security number, date of birth and answer questions from information in public databases.

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### Sources

<sup>1</sup>TeleSign Consumer Account Security Report, <http://bit.ly/1ZxwQtq>

<sup>2</sup>Verizon 2015 Data Breach Investigations Report, <http://vz.to/1LoZPv>

<sup>3</sup>Federal Information Security Management Act, 2015 Annual Report to Congress, <http://1.usa.gov/1ECXtSz>

<sup>4</sup>ESG, <http://bit.ly/1Q0Eqom>

<sup>5</sup>Gemalto, <http://bit.ly/1RQ7jWd>

<sup>6</sup>Office of the National Coordinator for Health Information Technology, <http://bit.ly/1TzLWYs>