

Authenticating Using Two-Factor Authentication



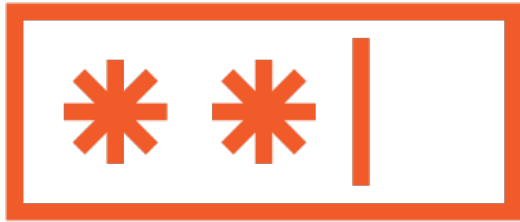
Justin Boyer

PRINCIPAL CONSULTANT

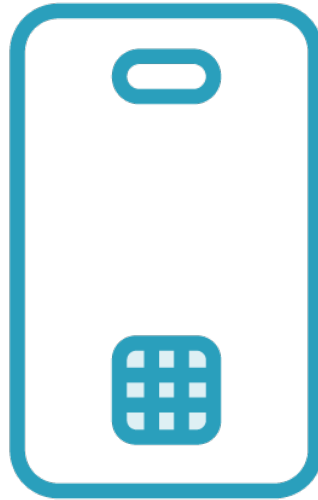
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What Is a Factor?



Something You Know
Password



Something You Have
Badge, ID Card, Token



Something You Are
Biometrics



Why Using Two Factors Is Important



Time-based One Time Password



A secret is shared
between the server
and the user



The secret is used to
generate a number



The generated number
is input with the
password



Summary



Multiple factors make it harder for attackers to take over your account

Use two out of three factors

- What you know
- What you have
- What you are

Time-based one time password (TOTP) is a popular form of 2FA

Speakeasy library adds TOTP to Node applications

