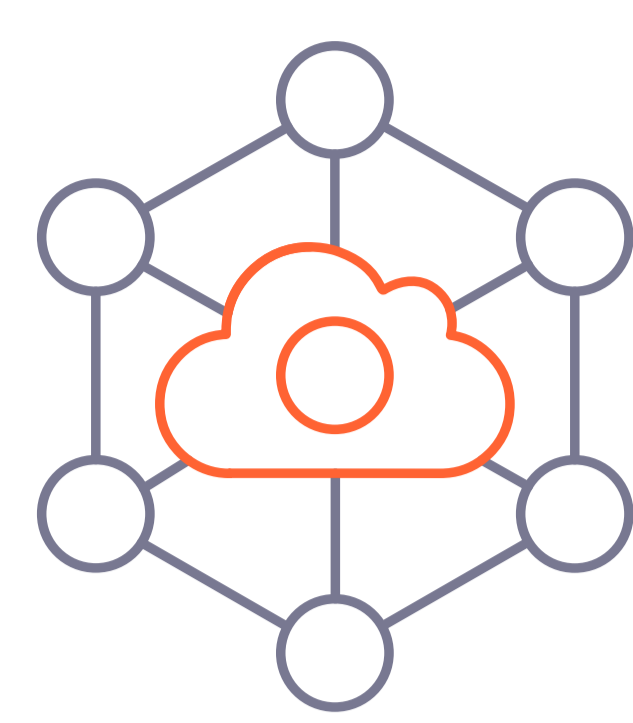


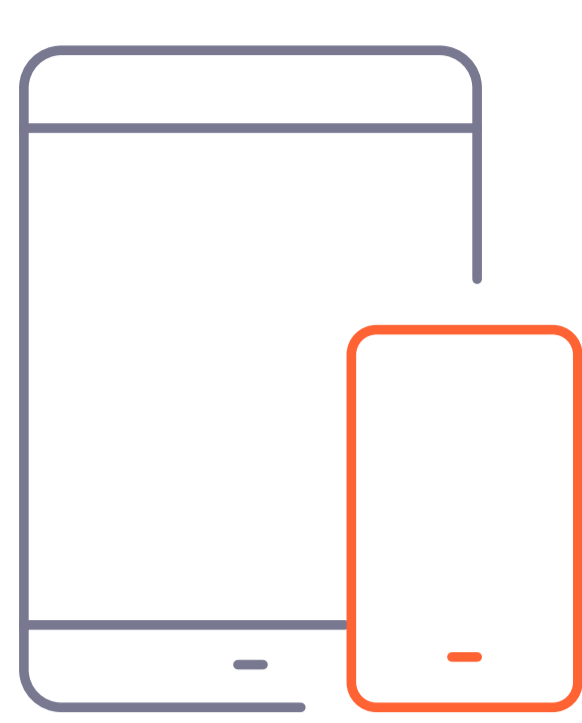
Certificate Lifespans: How Short Is Too Short?

Are You Ready for Increasingly Shorter Certificate Lifespans?

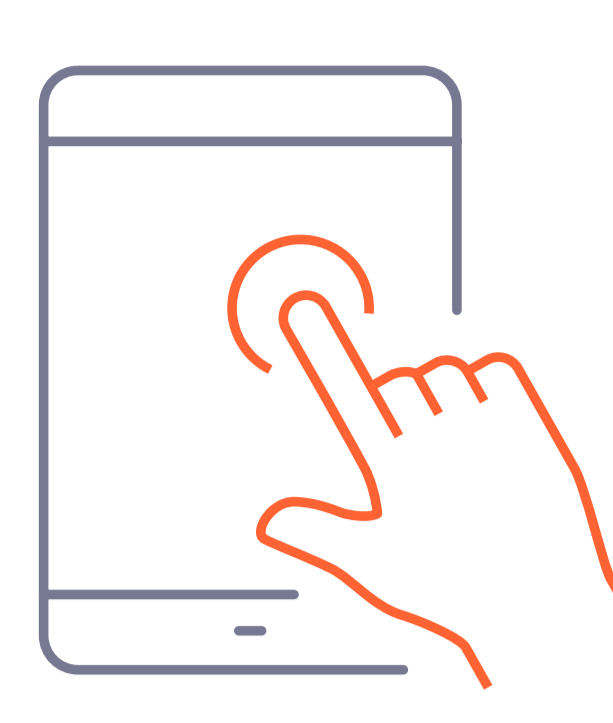
The Number of Machines Is Growing



More than **31 billion** IoT devices worldwide.¹



12.3 billion mobile-connected devices by 2022, including machine-to-machine modules.²



500 million new logical apps will be created between 2018-2023—equal to the number built over the past 40 years.³

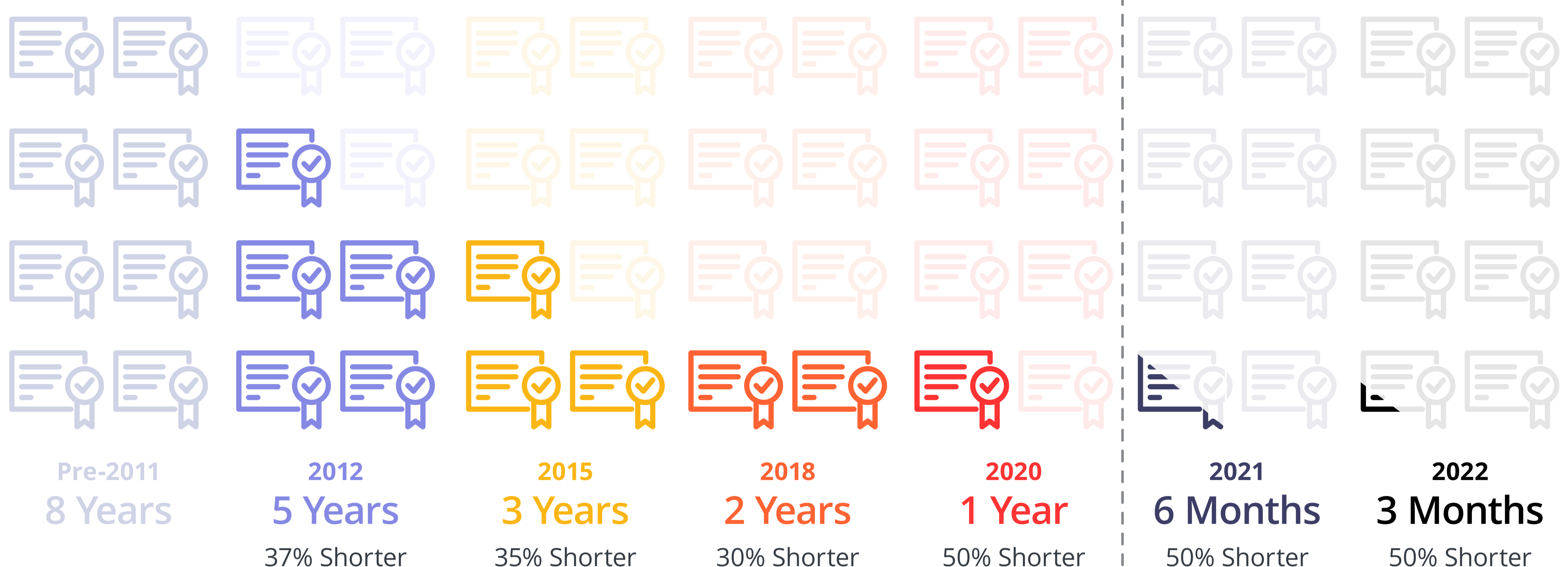
To connect and communicate securely, **every device and app needs a certificate**, which acts as its machine identity.

We need machine identities to encrypt over 330 million internet domains,⁴ over 1.8 billion websites⁵ and countless applications.

At the Same Time, Certificate Lifecycles Are Shrinking

// If the interval between lifecycle changes continues on its current cadence, it's likely that we could see certificate lifespans for all publicly trusted TLS certificates reduced to 6 months by early 2021 and perhaps become as short as 3 months by the end of next year. //

- Kevin Bocek, Vice President of Security Strategy and Threat Intelligence at Venafi



The Cloud Is Making Certificate Lifespans Radically Shorter

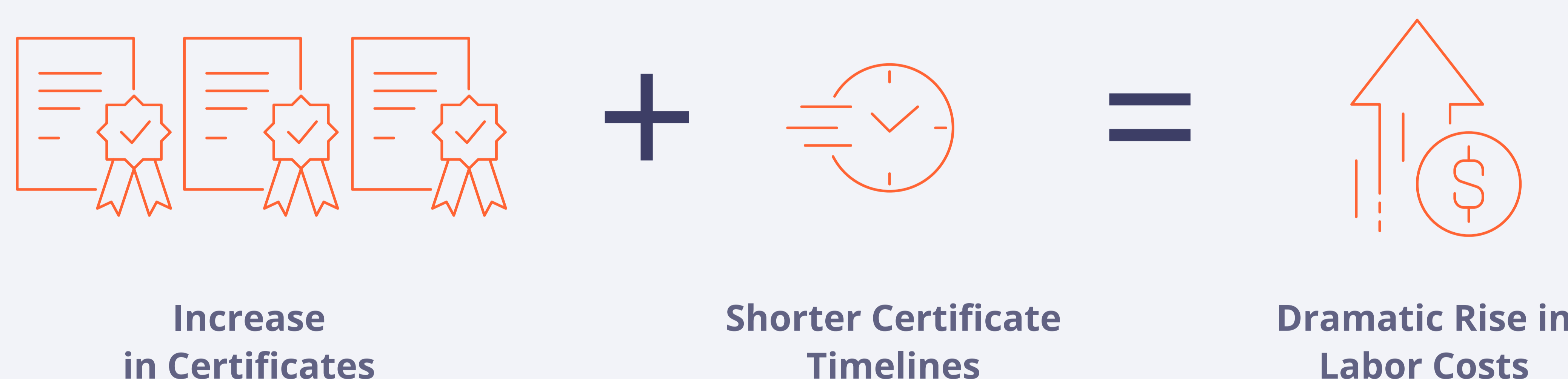


What If You Can't Keep Up With Shorter Certificate Lifespans?

// It seems inevitable that certificate-related outages, similar to those that have haunted Equifax, LinkedIn and the State of California, will spiral out-of-control over the next few years. Ultimately, the only way for organizations to eliminate this external, outside risk is total visibility, comprehensive intelligence and complete automation for TLS machine identities. //

- Kevin Bocek, Vice President of Security Strategy and Threat Intelligence at Venafi

1/2 LIFESPAN REQUIRES 2X RESOURCES



// Nobody wants shorter renewal times. If you shift a thousand certificates from two-year renewals to one-year renewals, you need to double your certificate management resources. //

- Global 2000 CISO

VIA Venafi

Manage All Machine Identities, Regardless of Lifespan

Here's what you need to tame the rising tide of shorter lifespan certificates:

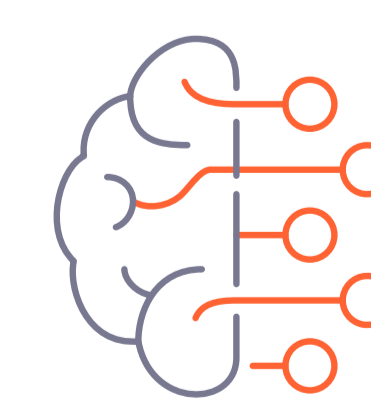
Visibility

Rapidly find all your certificate locations, owners and attributes to document your exposure.



Intelligence

Track the status of all certificates to understand impacts such as expirations and vulnerabilities.



Automation

Orchestrate the renewal and validation of all certificates to ensure they are always available and secure.



Learn More About Machine Identity Management at venafi.com/gartner/iam