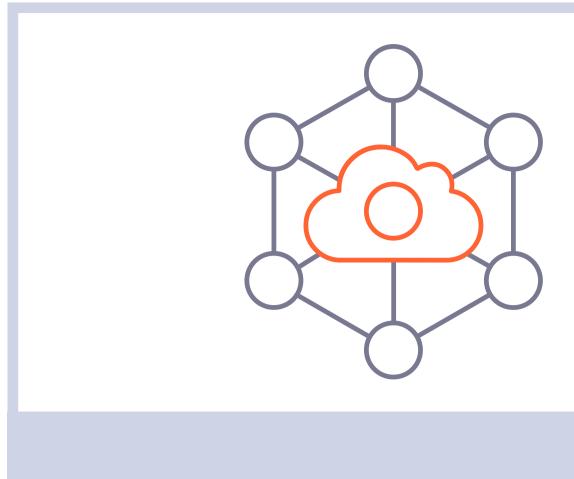


Certificate Lifespans: How Short Is Too Short?

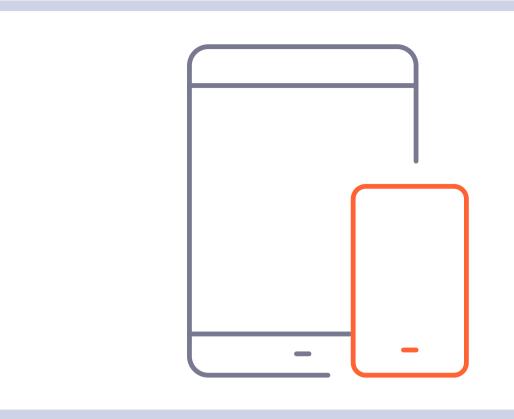
Are You Ready for Increasingly Shorter Certificate Lifespans?

The Number of Machines Is Growing



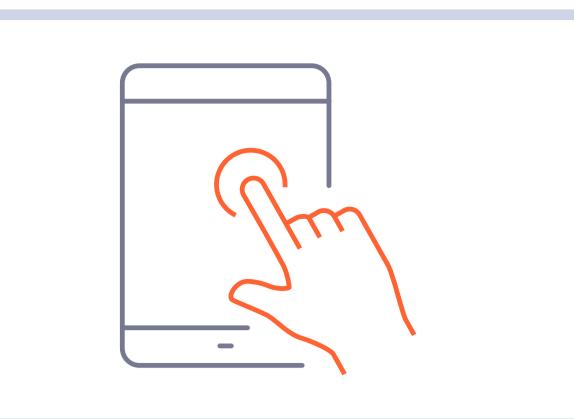
More than 31 billion

IoT devices wordwide.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.

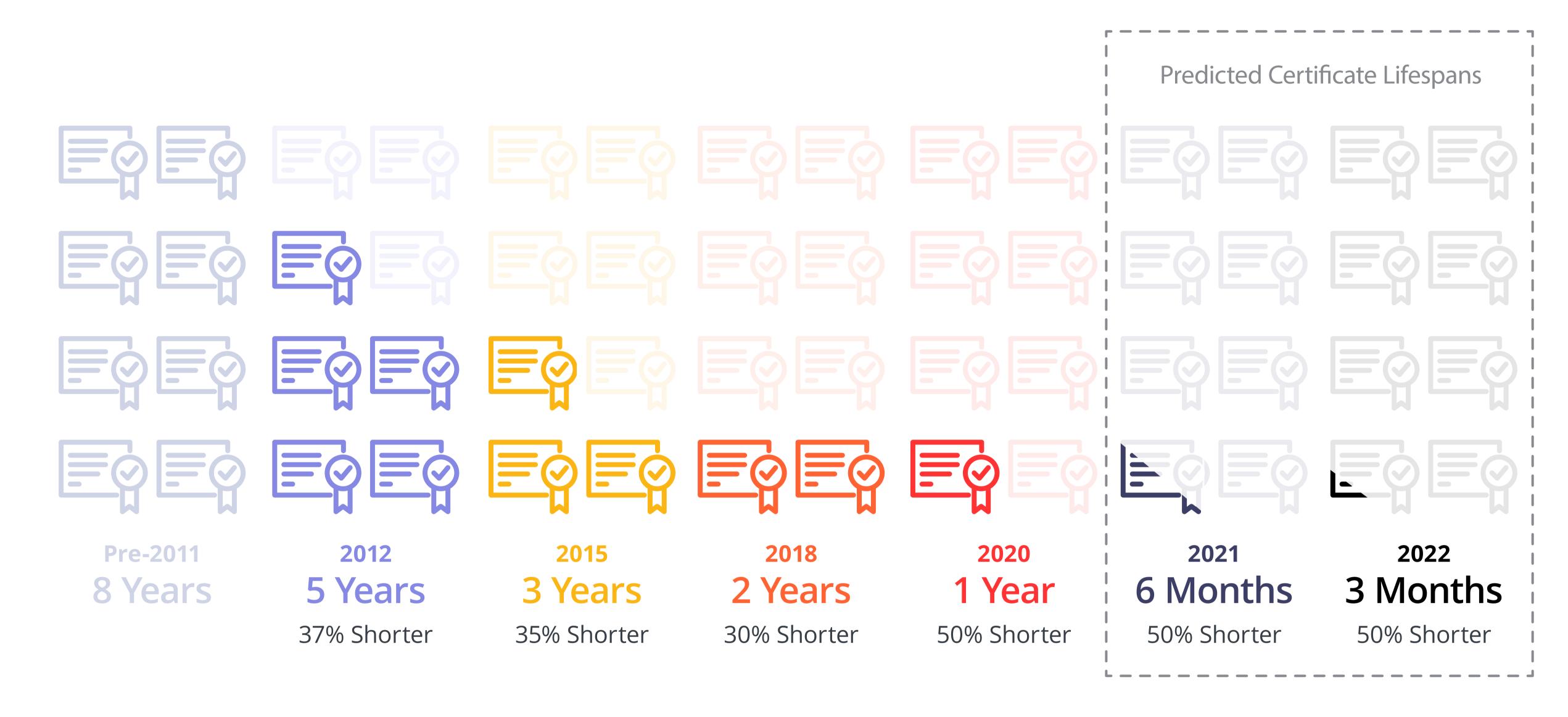
We need machine identities to encrypt over 330 million internet domains,4

over 1.8 billion websites⁵ and countless applications.

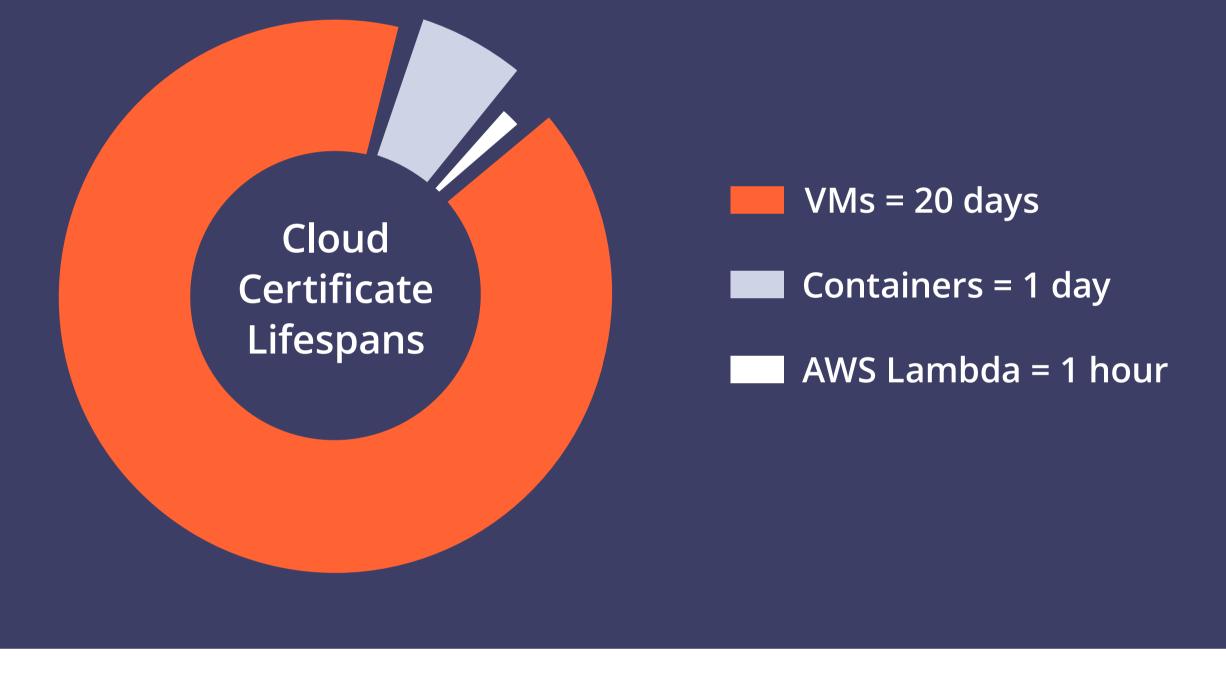
At the Same Time, Certificate Lifecycles Are Shrinking

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

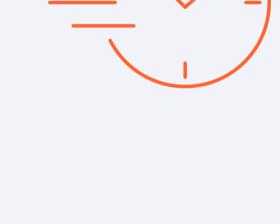


What If You Can't Keep Up With Shorter Certificate Lifespans? It seems inevitable that certificate-related outages, similar to those that have haunted

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







Shorter Certificate

Timelines

- Global 2000 CISO

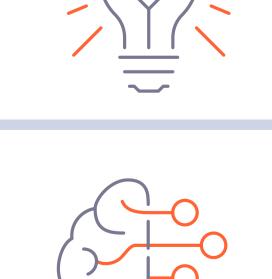
Nobody wants shorter renewal times. If you shift a thousand certificates from two-year renewals

to one-year renewals, you need to double your certificate management resources.

VIA Venafi.

Manage All Machine Identities, Regardless of Lifespan

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



Visibility

Track the status of all certificates to understand impacts

to ensure they are always available and secure.

owners and attributes to document your exposure.

Rapidly find all your certificate locations,

such as expirations and vulnerabilities.

Automation

Intelligence

Orchestrate the renewal and validation of all certificates



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



IDC. IDC FutureScape: Worldwide IT Industry 2019 Predictions. October 2018. Document Number: US44403818.

Verisign. Internet Grows to 330.6 Million Domain Name Registrations in the First Quarter of 2017. July 18, 2017.

Recode. Look at This! We're Uploading and Sharing a Staggering 1.8 Billion Photos a Day. May 28, 2014.

- 1. IDC. Worldwide Spending on Digital Transformation Will Reach \$2.3 Trillion in 2023, More Than Half of All ICT Spending, According to a New IDC Spending Guide. October 28, 2019. 2. Cisco. Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2017–2022. February 18, 2019. Document ID:1486680503328360.