

Take the ACME-first approach:

Your SSL/TLS certificate automation cheat sheet

The Automatic Certificate Management Environment (ACME) is the industry's go-to protocol for automating public SSL/TLS certificate issuance and renewal. Google and other major platforms point to ACME as essential for managing shorter certificate lifespans, helping organizations improve uptime, agility, and readiness for post-quantum cryptography.

If you're adopting an ACME-first strategy within your organization, Sectigo Certificate Manager (SCM) makes it easy to automate across a wide range of compatible technologies.

We've included examples of ACME-compatible systems and clients that integrate well with SCM, either through trusted ACME clients or native, out-of-the-box integrations.

Use this cheat sheet as a reference point when mapping your environment and identifying where ACME fits, and where to extend beyond it.



Note that there will always be some technologies that cannot be fully automated. Some systems may still require partial or manual workflows, but most can be automated with the right method.

What if ACME doesn't fit?

While ACME is a powerful standard, it's not universal. In addition to native ACME support, SCM offers flexible automation through SCEP, EST, REST APIs, agents, connectors and 3rd party integrations. This means you can automate certificates across a wide range of environments, even those that don't natively support ACME. This flexibility ensures broad compatibility across modern, hybrid, and legacy environments.

Web Servers / Load Balancers / Firewalls

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectigo Integration Type	Sectigo Integration Docs
Kemp	LoadMaster	✓	ACME.sh	click to view	✓	Sectigo Kemp Connector	click to view
Microsoft	IIS	✓	Win-ACME posh ACME Certify the Web	click to view click to view click to view	✓	Network Agent	click to view
F5	NGINX	✓	Certbot ACME.sh	click to view click to view			
A10	Thunder ADC	✓	Built into A10	click to view	✓	Sectigo Connector for A10	click to view
Apache	Apache	✓	Certbot mod_md	click to view click to view	✓	Network Agent	click to view
F5	BIG-IP	✓	Kojot ACME	click to view	✓ ✓	Sectigo Connector for F5 BIG IP Network Agent	click to view click to view
HAProxy	HAProxy	✓	Certbot ACME.sh	click to view click to view	✓	Sectigo HA Proxy Connector	click to view
PaloAlto	PAN OS	✓	ACME.sh	click to view			



Containerization

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectigo Integration Type	Sectigo Integration Docs
Amazon	Elastic Kubernetes Service	✓	jetstack (cert-manager)	click to view			
Google	Google Kubernetes Engine	✓	jetstack (cert-manager)	click to view			
Kubernetes	Kubernetes	✓	jetstack (cert-manager)	click to view			
Microsoft	Azure Kubernetes Services	✓	jetstack (cert-manager)	click to view			
Redhat	Openshift Container Platform	✓	jetstack (cert-manager)	click to view			
Docker	Docker	✓	ACME.sh	click to view			

DevOps Tools

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectigo Integration Type	Sectigo Integration Docs
Ansible	Ansible	✓	Ansible ACME	click to view	✓	Sectigo Ansible Integration	click to view
HashiCorp	Terraform	✓	Vancluever	click to view	✓	Sectigo Terraform Integration	click to view
Jetstack	Jetstack	✓	jetstack (cert-manager)	click to view			



Key Vault

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectigo Integration Type	Sectigo Integration Docs
Microsoft	Azure Key Vault	✓	az-acme	click to view	✓	SCM PK Agent	click to view click to view

Programming Language

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectig Integration Type	Sectigo Integration Docs
Ruby	Ruby	✓	acme-client	click to view			
Python	Python	✓	Certbot	click to view			
Golang	Golang	✓	Lets Encrypt Go	click to view			
Java	Java	✓	ACME4j	click to view			



Other

Vendor	Application	Native ACME Support	ACME Client Used	ACME Docs	Sectigo-Built Integration	Sectig Integration Type	Sectigo Integration Docs
NodeJS	NodeJS	✔	node-acme-client	click to view			
BeyondTrust	BeyondTrust	✔	Native Beyond Trust	click to view click to view			
Kong HQ	Kong Gateway	✔	Native in Kong ACME.sh	click to view click to view			

