

SSL/TLS ACME Automation in Sectigo Certificate Manager (SCM):

Explore ACME-driven automation while gaining centralized certificate visibility in SCM

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 | Sectigo 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 | Sectigo 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 | | | |