



Sectigo's Automation Offering

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Automation Solutions

Sectigo is the only vendor to provide the customer all these options:

1

Automated Certificate Management Environment (ACME) an open standard, RFC8555

2

Sectigo customer premise agent

3

Sectigo open source integrations with all the popular DevOps tools

4

REST API for customer authored automation, with custom workflow

5

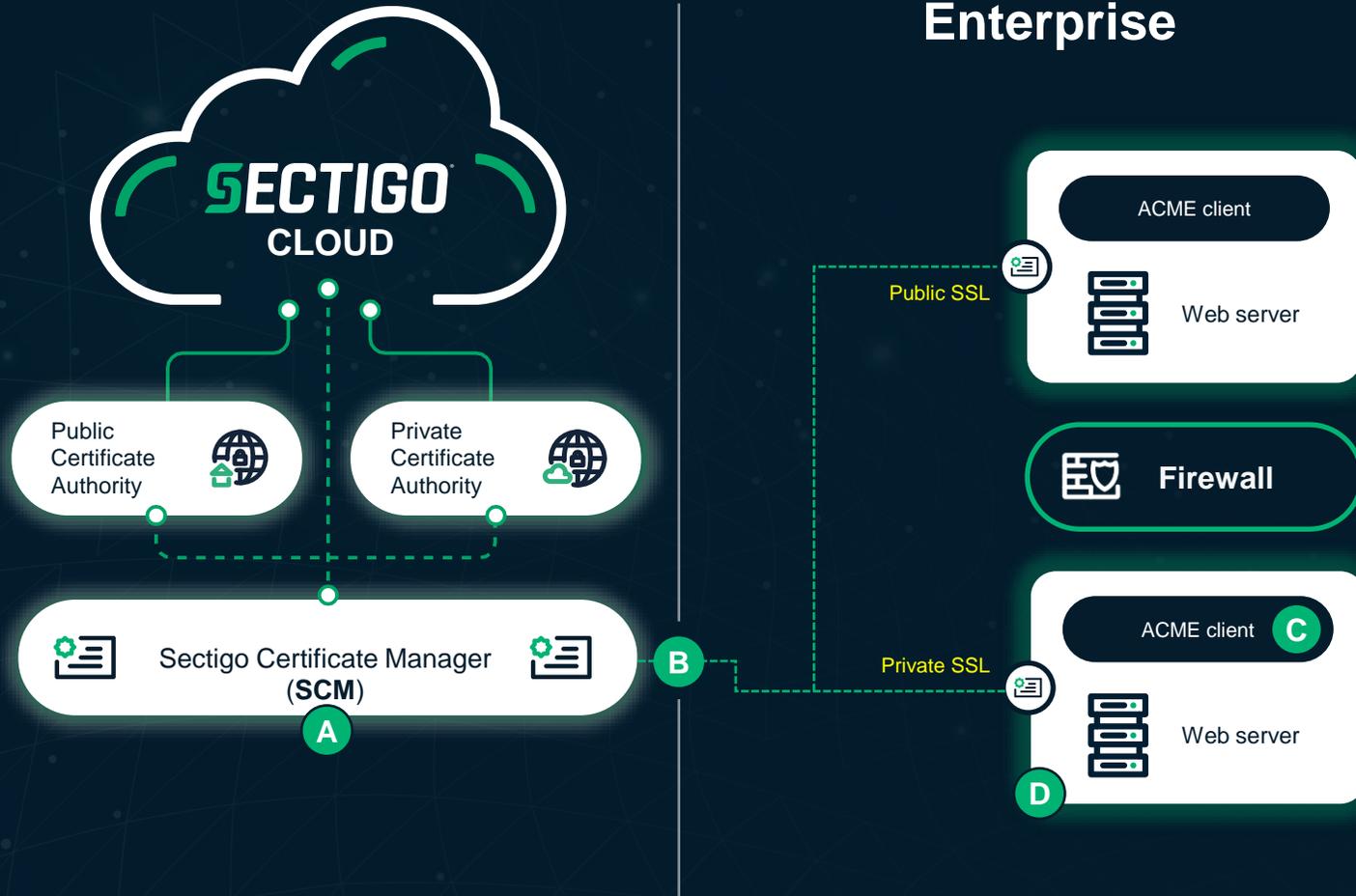
Azure Key Vault

6

ServiceNow integration

For Public & Private Web Servers & Load Balancers

Automated SSL installation via ACME



Enterprise

Current State

Excessive cost to purchase multiple tools

Excessive cost to integrate different tools

Slow certificate replacement in the event of an immediate threat

Sectigo Value

- A** Single Pane of Glass for all identity management
- B** Automated certificate creation and installation
- C** ACME client collocated with web server or load balancer
 - ACME is an industry standard between Certificate Authorities and applications using SSL (RFC8555)
- D** Web Servers (Apache) are building ACME into their product. It is the future.

Sectigo Value Add to ACME

- A** Made it enterprise-grade by binding to Sectigo Certificate Manager (SCM) Account
 - ✓ *Provides admin control*
 - ✓ *Protects from unauthorized use*
- B** Incorporated customer workflows
- C** Integrated reporting capability via SCM to provide visibility
- D** Able to discover ACME issued certs in the enterprise environment via SCM
- E** Supports DV, OV, EV SSL certificates
 - ✓ *Some implementations offer DV only; some, OV/EV only*
- F** Supports DevOps tools/processes as well
 - ✓ *Supports Kubernetes cert-manager*

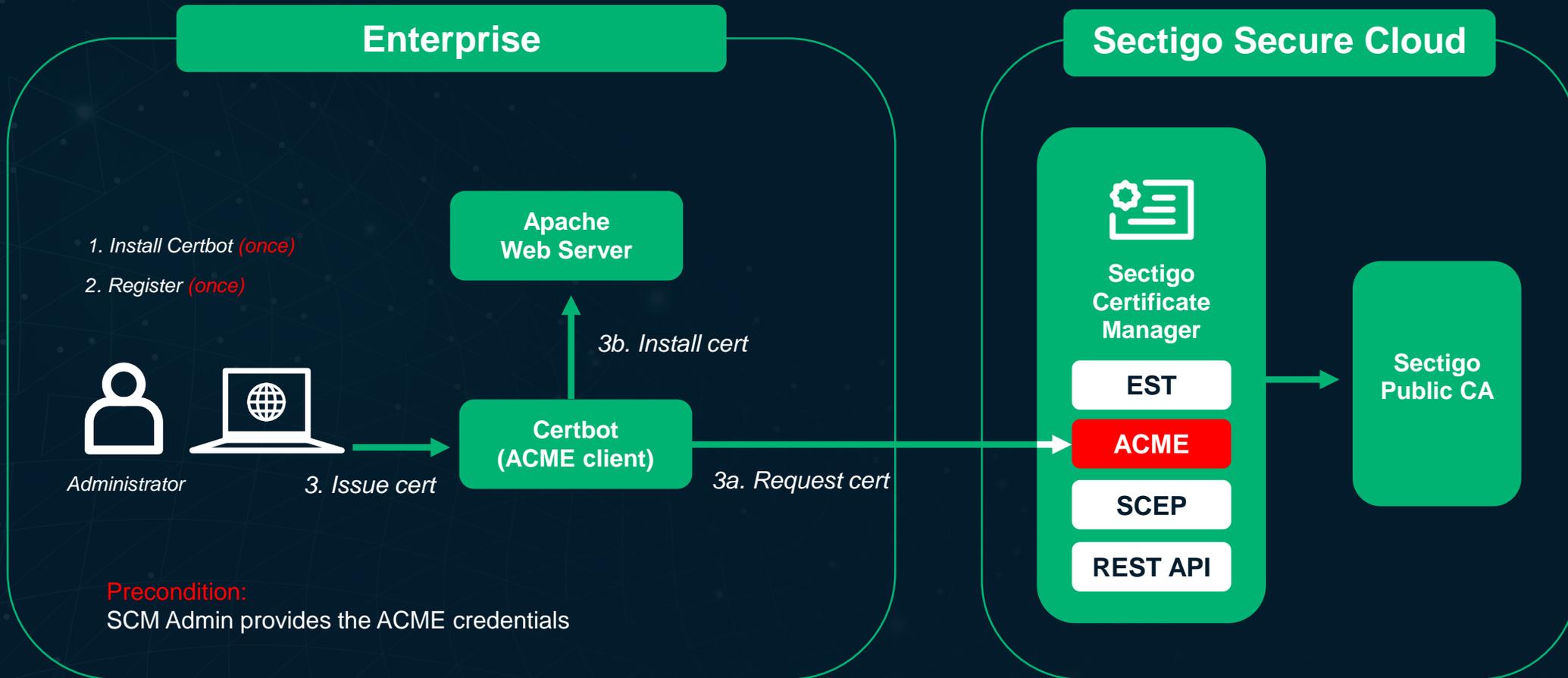


Supported ACME Tools

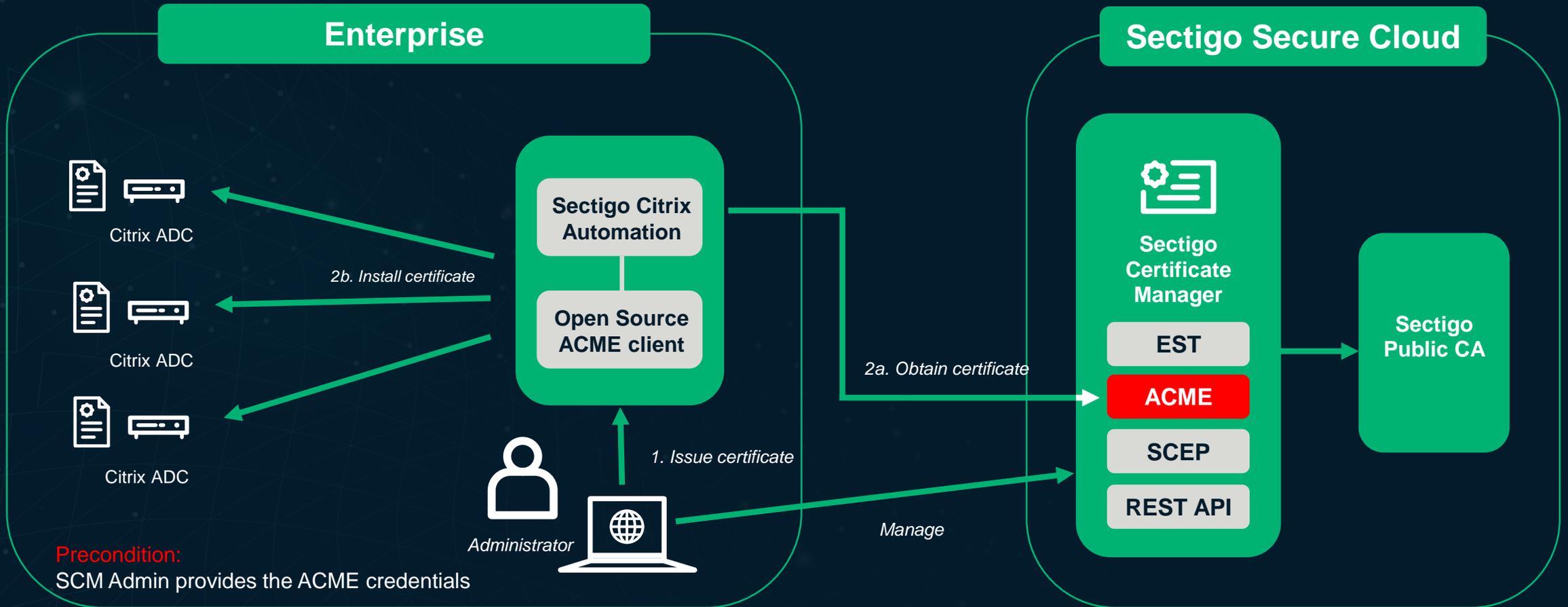
- A** Certbot
 - ✓ Widely used
- B** Lego
- C** ACME4j
 - ✓ For JAVA environment
- D** Cert-manager
 - ✓ For DevOps Kubernetes environment
- E** Sectigo Citrix ACME Integration



Automatic Issuance via ACME Client Certbot



Citrix ADC (Netscaler) Solution with ACME

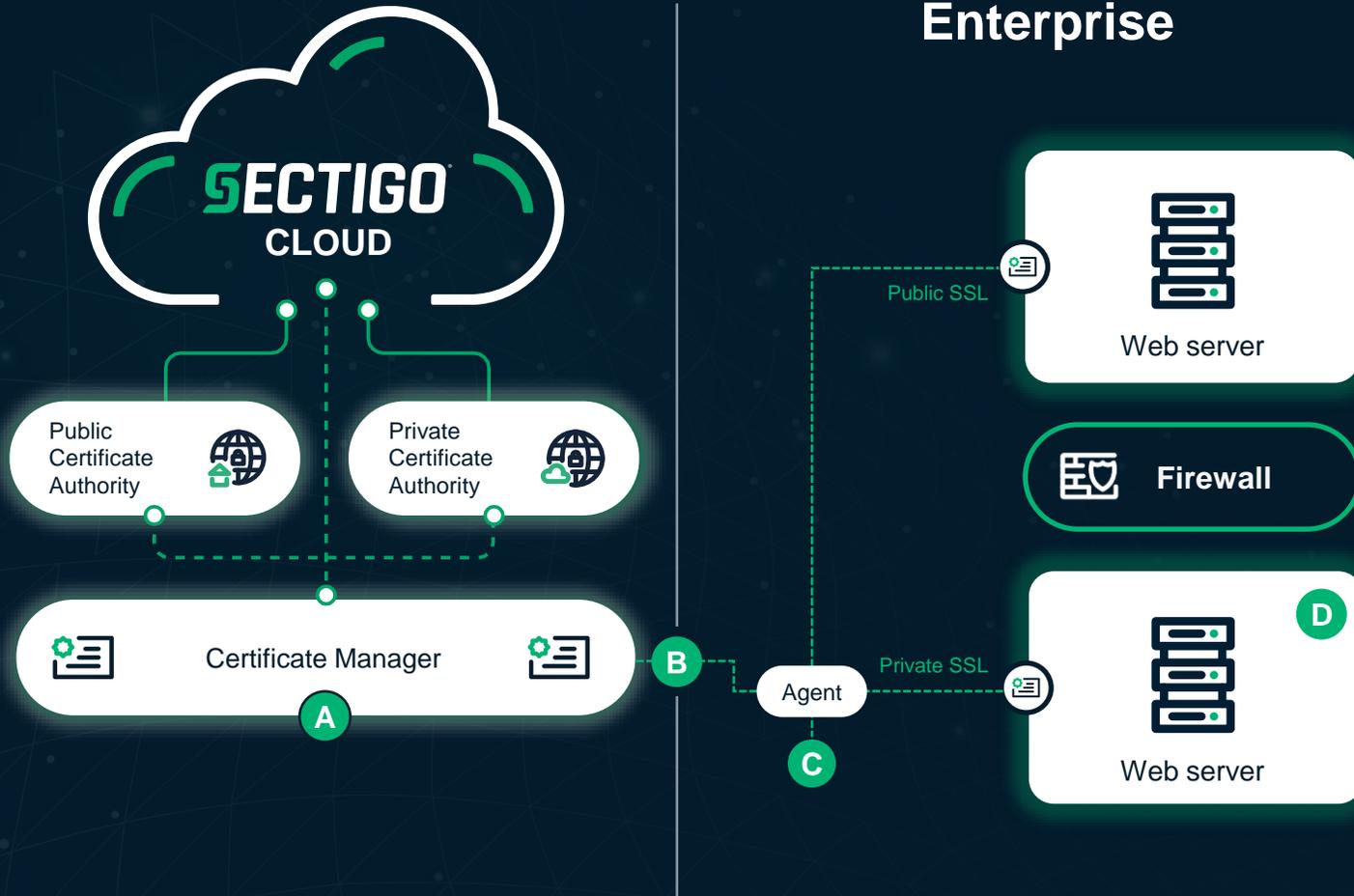




Appendix: Additional Automation

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Automated SSL installation - AGENT



Enterprise

Current State

Excessive cost to purchase multiple tools

Excessive cost to integrate different tools

Slow certificate replacement in the event of an immediate threat

Sectigo Value

- A** Single Pane of Glass for all identity management
- B** Automated certificate creation and installation
- C** Agent manages several web servers, load balancers, migrates private keys across multi-domain/wild card certs
- D** Supported:
Apache – IIS – Tomcat – F5

Automated SSL Approvals Workflow – ServiceNow



Enterprise

Current State

Enterprise policy requires sophisticated approvals process, in common corporate tool, ServiceNow

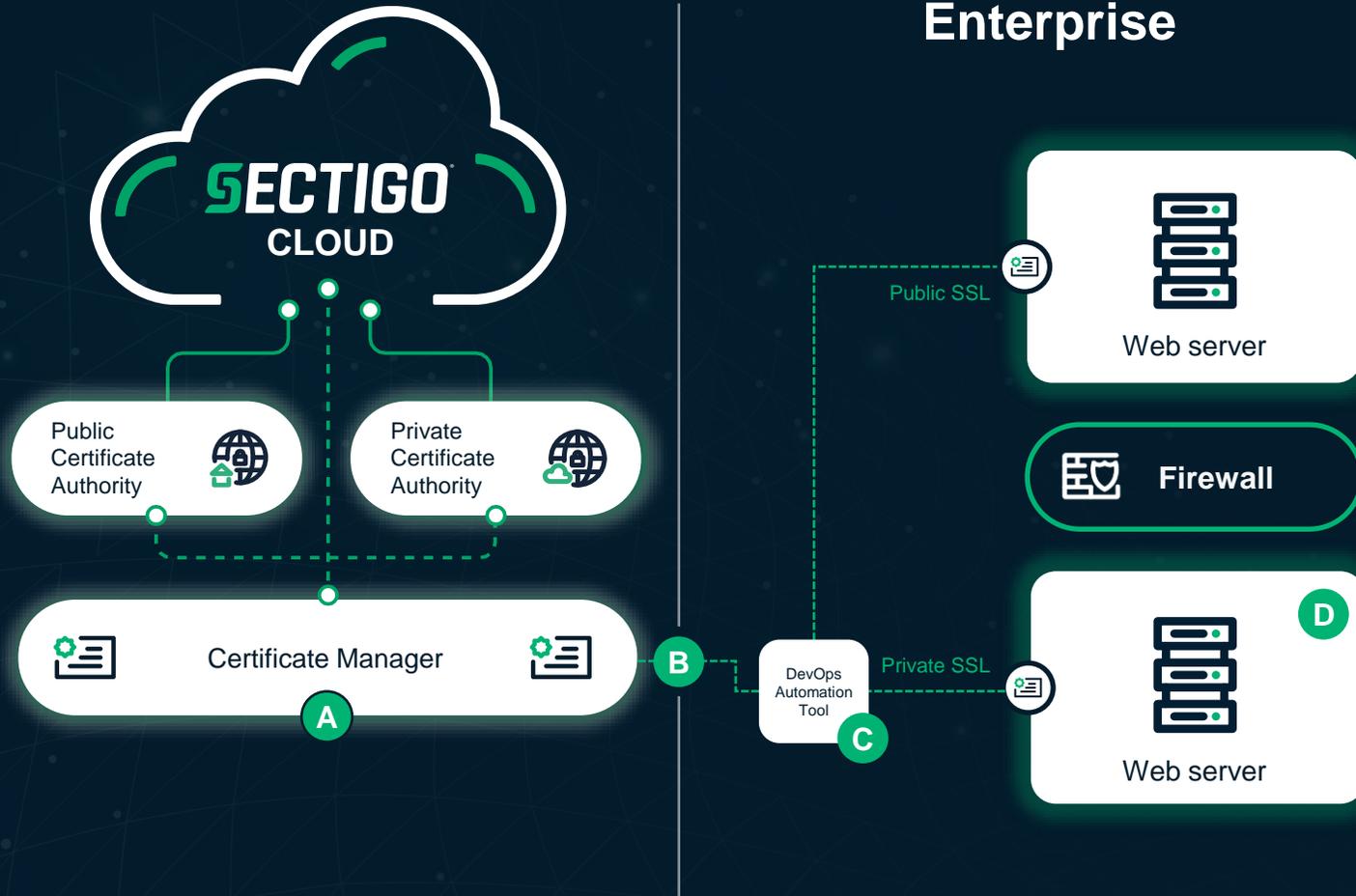
Lack of management and slow approvals leads to certificate expiry

Slow certificate replacement in the event of a threat

Sectigo Value

- A** Single Pane of Glass for all identity management
- B** Automated certificate creation
- C** Employee initiates change, executes workflow, obtains approvals, certificate issued
- D** Only vendor that allows for all reporting and management from ServiceNow UI

Automated SSL installation – DEVOPS Automation Tools



Current State

Excessive cost to purchase multiple tools

Excessive cost to integrate different tools

Slow certificate replacement in the event of a threat

DevSecOps team cannot enforce compliance without slowing the pipeline

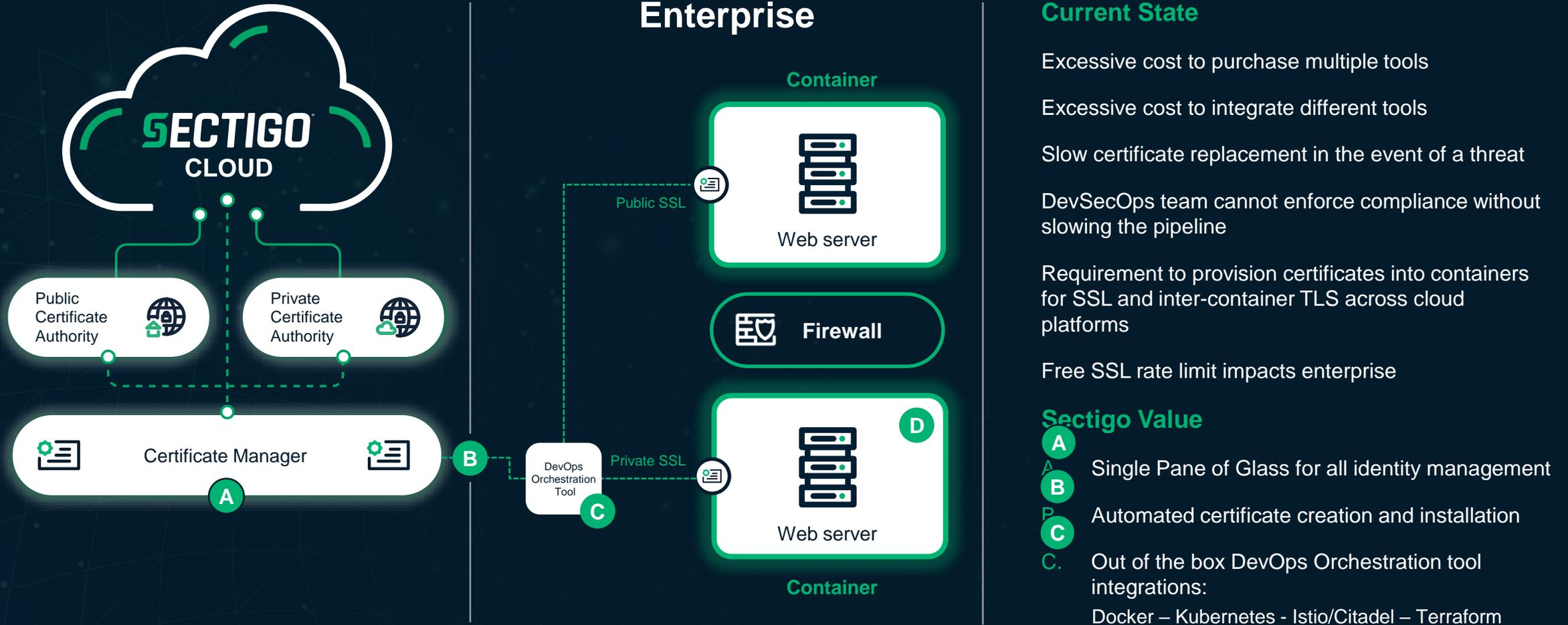
Requirement to setup the webserver or load balancer, including SSL

Free SSL rate limit impacts enterprise

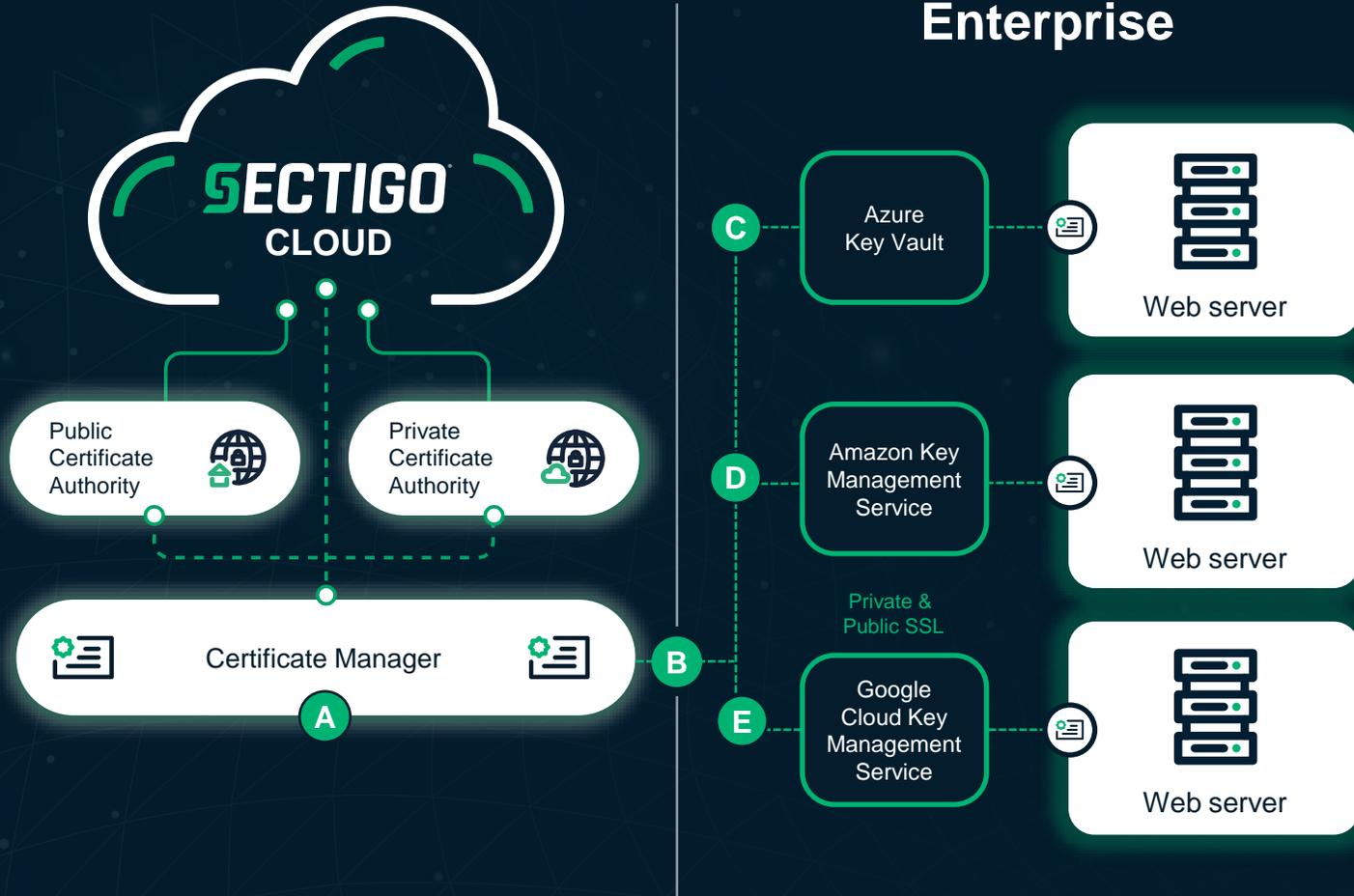
Sectigo Value

- A** Single Pane of Glass for all identity management
- B** Automated certificate creation and installation
- C** Out of the box DevOps automation tool integrations:
Ansible – Chef – Puppet - Jenkins/Saltstack – HashiCorp Vault

Automated SSL installation – DEVOPS Orchestration Tools



Automated SSL installation – Azure Key Vault



Current State

Manual, expensive process to provision keys and certs to Azure Key Vault

Lack of management leads to certificate expiry

Slow certificate replacement in the event of a threat

Requirement to provision certificates into key vaults which span cloud providers

Sectigo Value

- A** Single Pane of Glass for all identity management
- B** Automated certificate creation and installation
- C** Web Servers, load balancers or applications do not need to embed certificate renewal logic
- D** Amazon and Google are on the roadmap
- E** Same platform for other enterprise applications (document signing, encryption)



Thank You

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