



SECTIGO CERTIFICATE MANAGER



A low-angle, upward-looking perspective of several modern skyscrapers with glass facades, creating a sense of height and urban density. The image is dark and moody, with a blue-grey color palette. The text is overlaid in the center in a clean, white, sans-serif font.

Sectigo Is the Leading Provider of Digital Certificates and Automated Certificate Lifecycle Management Solutions

Company History

COMODO

Comodo founded;
goes on to become
one of the first
public CAs

1998

 **CodeGuard**

Acquired leading
provider of website
backup & recovery

Jul 2018

ICON LABS

Acquired leading
provider of IoT
security solutions

May 2019

SSL247
A SECTIGO COMPANY

Acquired the biggest
SSL certificate and
web security provider
in the UK and France

Dec 2020

 **SiteLock**

Acquired the leading
provider of website
security protection
and monitoring

May 2021

Nov 2021

COMODO
Certification Authority

Francisco Partners
acquires CA business;
Comodo CA separated
from Comodo Group

Nov 2017

SECTIGO

Comodo CA
rebranded as Sectigo

Nov 2018

GI PARTNERS

Sectigo was
acquired by GI Partners,
a leading middle-market
private investment firm

Sept 2020

 **Xolphin**
A SECTIGO COMPANY

Comodo founded;
goes on to become
one of the first
public CAs

Dec 2020



Sectigo announced
its roadmap for CA
Agnosticism

Sectigo by the Numbers

Global Leader in Certificate Management



400M+

Certificates issued



700K+

Businesses on the
Sectigo platform



98%

Enterprise customer
retention rate



43M+

Active certificates
being managed



20+

Years of experience



>36%

Fortune 1000 use Sectigo



~600

Active partners



16M+

Websites on the
SiteLock platform



4.6★

Average customer rating
across leading review sites

Global Organization

500+

Employees



Global Support

Phone / chat / web

24/7

365 days a year



Supported Languages

| | | |
|------------|-----------|----------|
| English | Filipino | Spanish |
| Hindi | Arabic | German |
| Portuguese | Korean | Japanese |
| Russian | Mongolian | Italian |
| French | Chinese | Dutch |
| Hebrew | Punjabi | Swedish |

Serving North America, Europe,
Africa, Middle East, and APAC



Diverse Global Customer Base

Banking



Consumer



Education



Financial



Government



Healthcare



Insurance



Pharmaceuticals



Manufacturing



Media



Retail



Services



Technology



Transportation



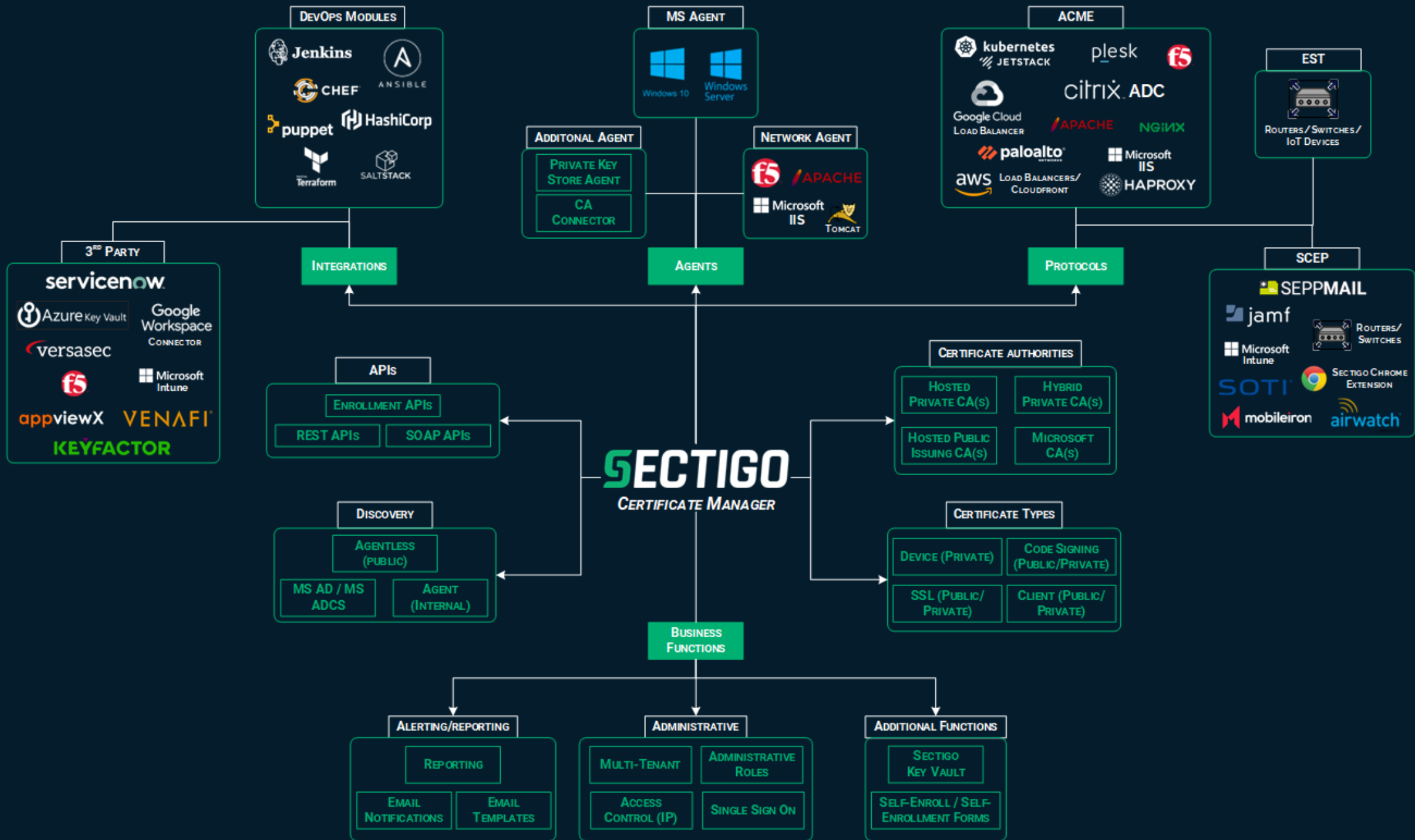
Travel





SECTIGO CERTIFICATE MANAGER





SCM LOGICAL HIERARCHY OVERVIEW

SCM IS DESIGNED AS A MULTI-TENANT PLATFORM WHICH ALLOWS A CUSTOMER TO CREATE ITS OWN ORGANIZATIONAL AND DEPARTMENT STRUCTURE. THERE ARE 3 CLASSES OF ADMINISTRATOR IN SECTIGO CERTIFICATE MANAGER.

MASTER REGISTRATION AUTHORITY OFFICER (MRAO)

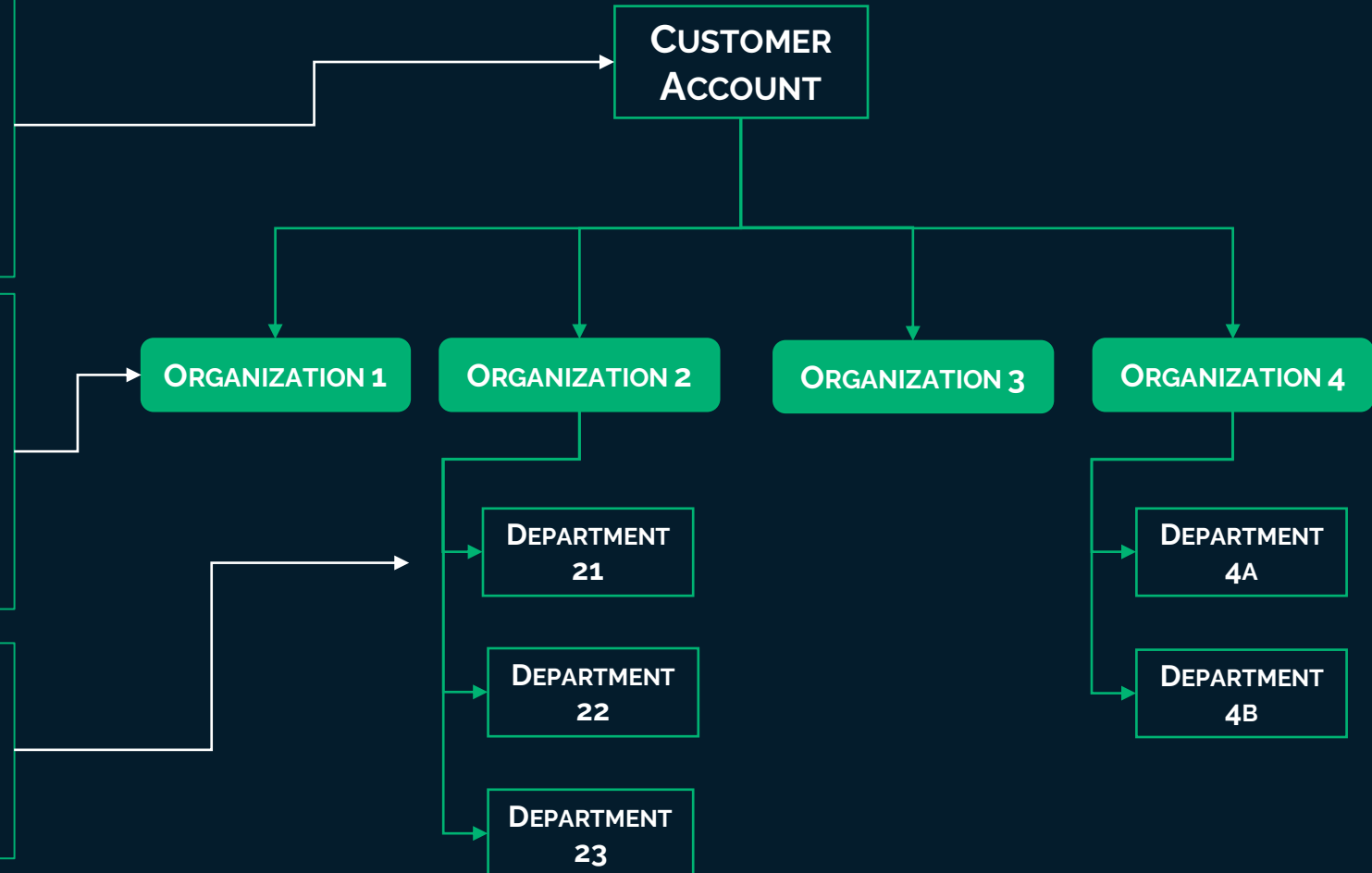
- HIGHEST LEVEL ADMINISTRATOR IN SECTIGO CERTIFICATE MANAGER.
- ACCESS TO ALL FUNCTIONAL AREAS AND MAY DELEGATE CONTROL OVER CERTIFICATES, DOMAINS & NOTIFICATIONS OF ANY ORGANIZATION/DEPARTMENT.
- FULL RIGHTS OVER THE CREATION AND PRIVILEGES OF REGISTRATION AUTHORITY OFFICER(S) (RAOs), DEPARTMENT REGISTRATION AUTHORITY OFFICERS (DRAOs) & END-USERS OF ANY ORGANIZATION/DEPARTMENT.

REGISTRATION AUTHORITY OFFICER (RAO)

- CREATED BY, AND IS SUBORDINATE TO MRAO
- MANAGE CERTIFICATES AND END-USERS OF SPECIFIC SCM ORGANIZATION(S).
- CONTROL OVER CERTIFICATES ORDERED ON BEHALF OF THEIR ORGANIZATION(S).
- CONTROL OVER DOMAINS AND USERS THAT HAVE BEEN DELEGATED TO THEIR ORGANIZATION(S)/DEPARTMENT(S)
- CAN CREATE, EDIT, OR REMOVE PEER RAOs FOR THEIR ORGANIZATION(S).

DEPARTMENT REGISTRATION AUTHORITY OFFICER (DRAO)

- CREATED BY AND IS SUBORDINATE TO RAO.
- CONTROL OVER CERTIFICATES, USERS AND DOMAINS BELONGING TO DEPARTMENT(S) OF ORGANIZATION(S).
- CAN CREATE, EDIT OR REMOVE PEER DRAOs FOR THEIR DEPARTMENT(S).

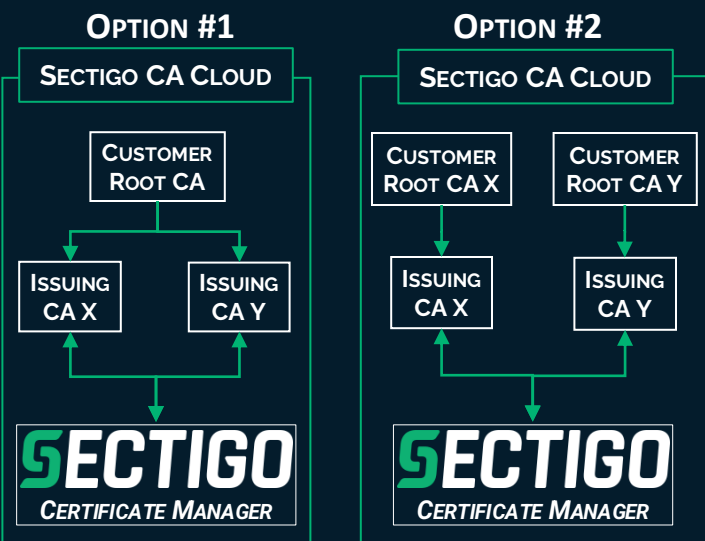


SECTIGO PRIVATE PKI OPTIONS

FULLY HOSTED CUSTOMER PRIVATE CA(s)

SECTIGO CERTIFICATE MANAGER PRIVATE CA OFFERING PROVIDES A FULLY HOSTED PRIVATE PKI FOR OUR CUSTOMERS, WHILE UTILIZING THE SCM AUTOMATION & MANAGEMENT CAPABILITIES..

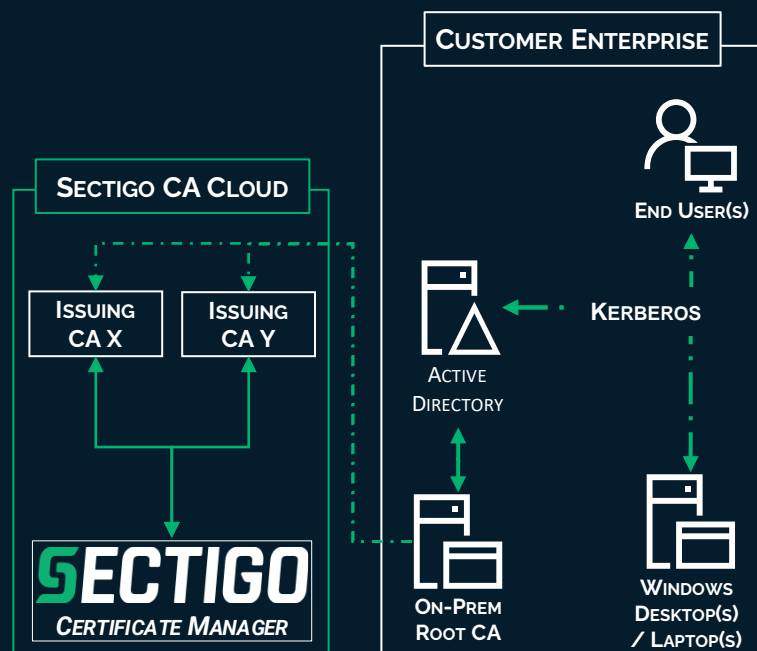
IN A FULLY HOSTED SCENARIO, SECTIGO HOSTS THE ROOT, ISSUING CA(S), & REVOCATION SERVICES (OCSP & CRLs).



HYBRID PRIVATE CA(s) (HOSTED ISSUING CA(s))

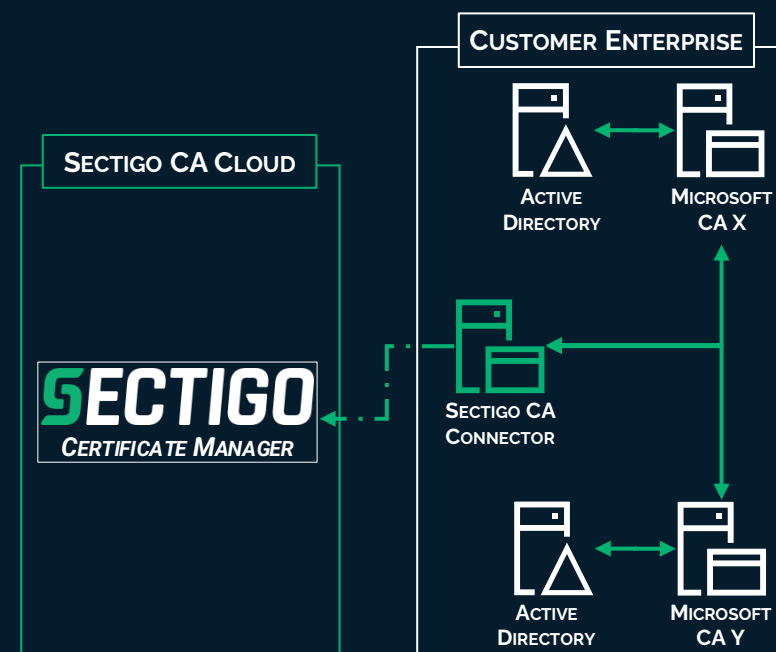
SECTIGO CERTIFICATE MANAGER OFFERS THE ABILITY TO HOST AN ISSUING CA FOR A CUSTOMER THAT IS SIGNED BY THE CUSTOMER'S ON-PREMISE MICROSOFT ROOT CA.

THIS ALLOWS THE CUSTOMER TO MAINTAIN CONTROL OF THEIR ROOT CA WHILE UTILIZING THE SCM AUTOMATION & MANAGEMENT CAPABILITIES.

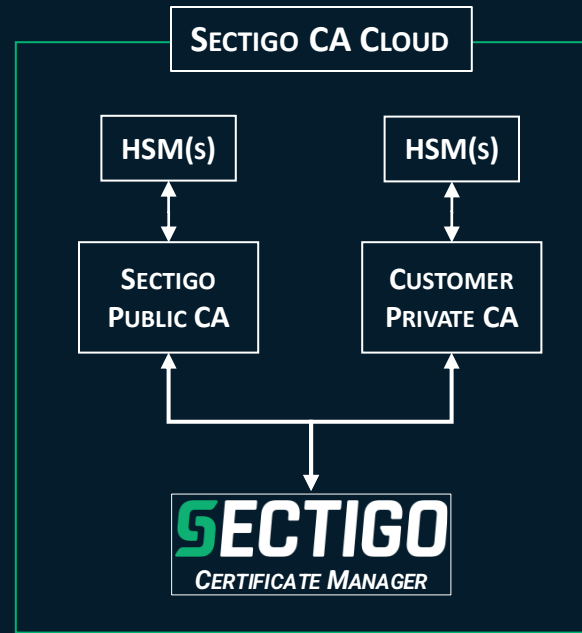


MICROSOFT CA(s) (ADCS) – ON PREMISE

SECTIGO CERTIFICATE MANAGER'S MICROSOFT CA (ADCS) INTEGRATION OFFERING ALLOWS FOR ISSUANCE OF CERTIFICATES THROUGH A SECTIGO CONNECTOR DEPLOYED ON PREMISE IN THE CUSTOMER'S ENVIRONMENT THAT IS CONNECTED TO AN ON-PREMISE MICROSOFT CA.



SECTIGO HOSTED CA ARCHITECTURE



CERTIFICATE DISCOVERY

SCM OFFERS 3 DIFFERENT TYPES OF CERTIFICATE DISCOVERY CAPABILITIES

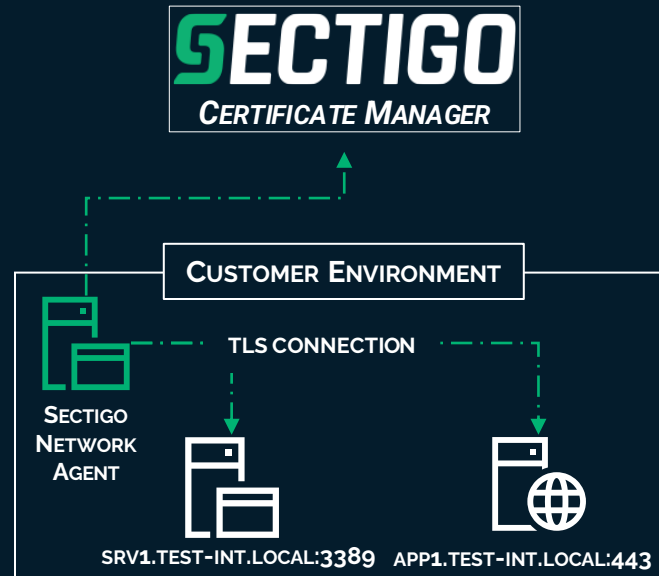
EXTERNAL CERTIFICATE (AGENTLESS)

- SCAN CERTIFICATES THAT IS ON THE INTERNET DIRECTLY FROM SCM



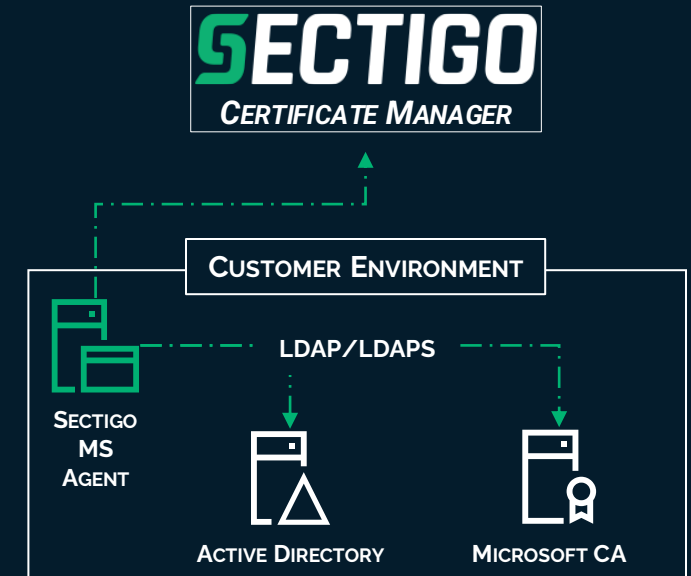
INTERNAL CERTIFICATE (NETWORK AGENT)

- REQUIRES AGENT (SECTIGO NETWORK AGENT) DEPLOYED TO CUSTOMER'S ENVIRONMENT FOR DISCOVERY
- DISCOVERS CERTIFICATES THAT CAN BE INITIATED VIA TLS CONNECTION



INTERNAL CERTIFICATE (MS AGENT)

- REQUIRES AGENT (SECTIGO NETWORK AGENT) DEPLOYED TO CUSTOMER'S ENVIRONMENT
- DISCOVERS CERTIFICATES PUBLISHED TO ACTIVE DIRECTORY, & ISSUED FROM MICROSOFT CA (CONNECTS VIA LDAP OR LDAPS)



SSL – MANUAL ISSUANCE/SELF-ENROLLMENT PORTAL

MANUAL CSR UPLOAD



SELF-ENROLLMENT PORTAL

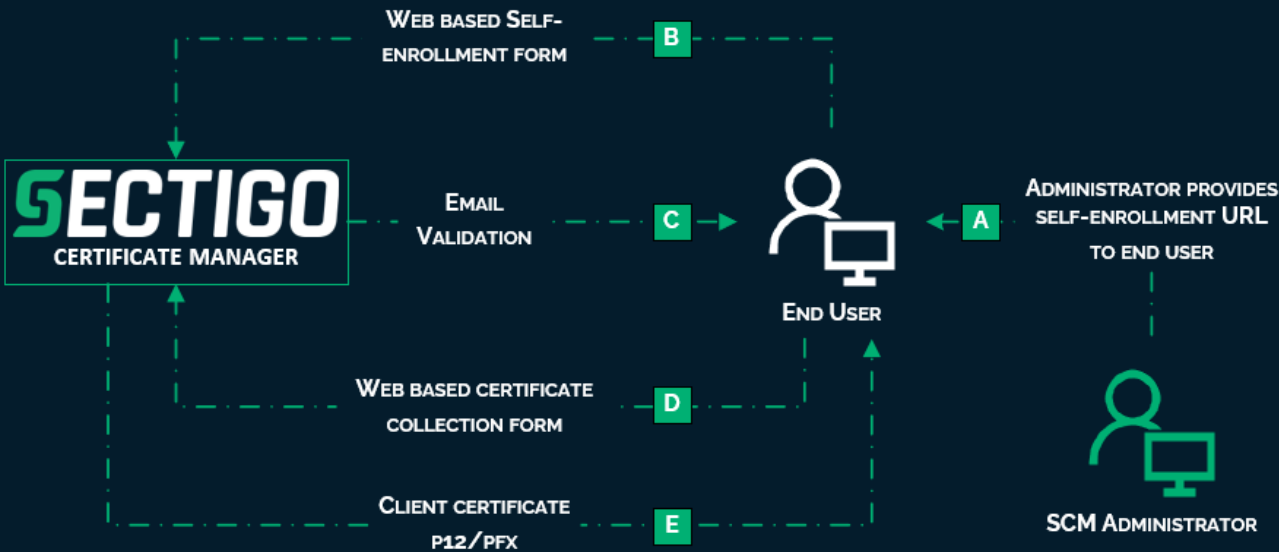


CLIENT/DEVICE CERTIFICATE – MANUAL INVITATION/SELF-ENROLLMENT

MANUAL ENROLLMENT (BY INVITATION)



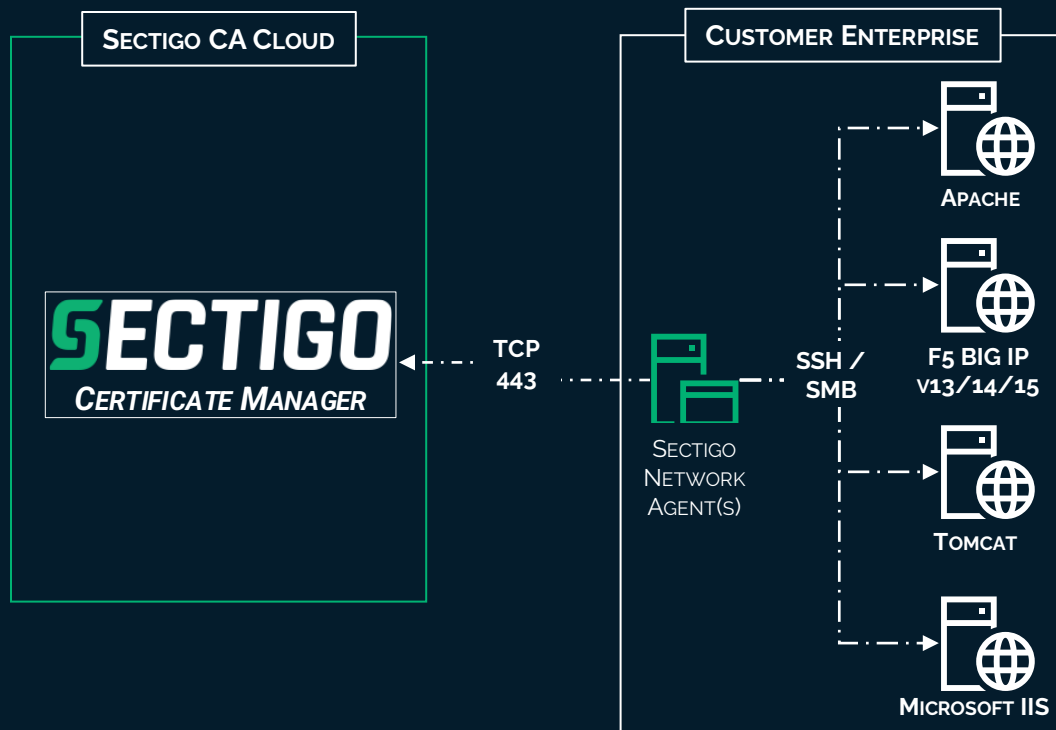
SELF-ENROLLMENT PORTAL



SSL CERTIFICATE AUTOMATION

SECTIGO NETWORK AGENT

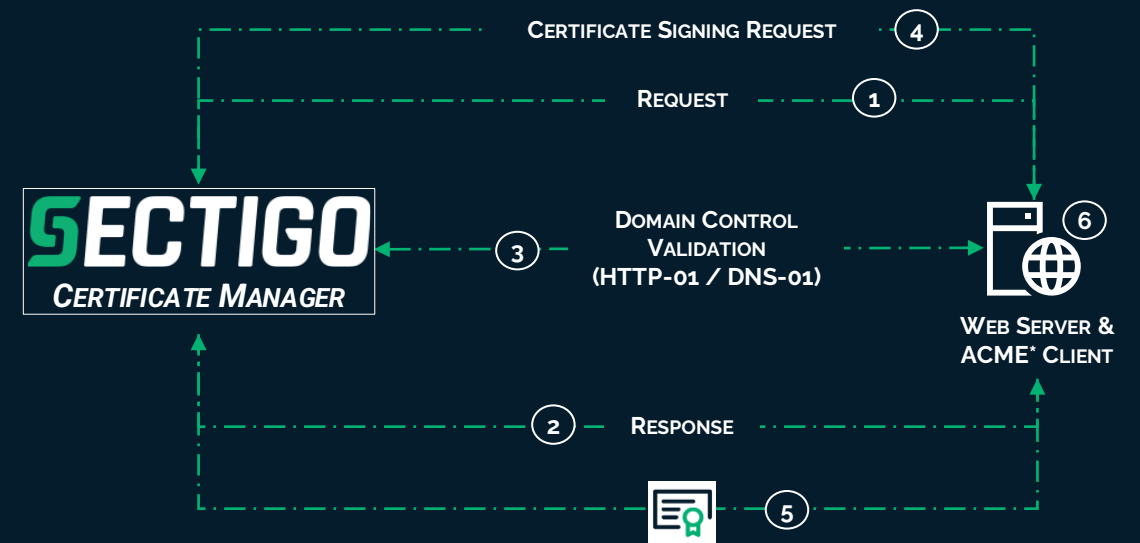
SECTIGO CERTIFICATE MANAGER NATIVELY SUPPORTS AUTOMATED INSTALLATION OF PUBLIC AND PRIVATE SERVER CERTIFICATES FOR F5 BIG IP, APACHE, IIS & TOMCAT.



SECTIGO®

AUTOMATED CERTIFICATE MANAGEMENT ENVIRONMENT (ACME*)

SECTIGO CERTIFICATE MANAGER ACME FUNCTIONALITY SUPPORTS ACME PROTOCOL STANDARD TO AUTOMATE THE VALIDATION OF THE DOMAIN, ENROLLMENT AND RENEWAL OF THE PUBLIC AND PRIVATE SERVER CERTIFICATES.



LOAD BALANCERS/
CLOUDFRONT



WIN-ACME



*ACME PROTOCOL IS A COMMUNICATIONS PROTOCOL FOR AUTOMATING INTERACTIONS BETWEEN CERTIFICATE AUTHORITIES AND THEIR USERS' WEB SERVERS, ALLOWING THE AUTOMATED DEPLOYMENT OF PUBLIC KEY INFRASTRUCTURE.

INTEGRATIONS, APIs, DEVOPS MODULES

DIRECT INTEGRATIONS



REST APIs

Example request

```
$ curl 'https://cert-manager.com/api/ssl/v1' -i -X PUT \
-H 'Content-Type: application/json;charset=utf-8' \
-H 'login: admin_customer18740' \
-H 'password: Password123' \
-H 'customerUri: cst18740' \
-H 'Accept: application/json' \
-d '{
  "sslId": 271, "term": 365, "certTypeId": 1990, "orgId": 3285, "commonName": "ccmqc.com", "csr": "MIIC1zCCA
b8CAQAwZExCZAAJBgNVBAYTA1VBMRIwEAYDVQQIDAljY21xYSSJb20xneJAQBgNVBAMCNjBxFlmNvbTESMBAGATUECgwJ
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[{"name": "name1", "value": "value1"}], "subjectAlternativeNames": ["ccmqc.com"]}'
```

ENROLL
CERTIFICATE

COLLECT
CERTIFICATE

Example request

```
$ curl 'https://cert-manager.com/api/ssl/v1/collect/197/base64' -i -X GET \
-H 'login: admin_customer18421' \
-H 'password: Password123' \
-H 'customerUri: cst18421'
```

RENEW
CERTIFICATE

Example request

```
$ curl 'https://cert-manager.com/api/ssl/v1/renew/10' -i -X POST \
-H 'Content-Type: application/json' \
-H 'login: admin_customer18596' \
-H 'password: Password123' \
-H 'customerUri: cst18596' \
-d '{"reason": "test"}'
```

REVOKE
CERTIFICATE

Example request

```
$ curl 'https://cert-manager.com/api/ssl/v1/revoke/225' -i -X POST \
-H 'Content-Type: application/json;charset=utf-8' \
-H 'login: admin_customer18628' \
-H 'password: Password123' \
-H 'customerUri: cst18628' \
-d '{"reason": "test"}'
```

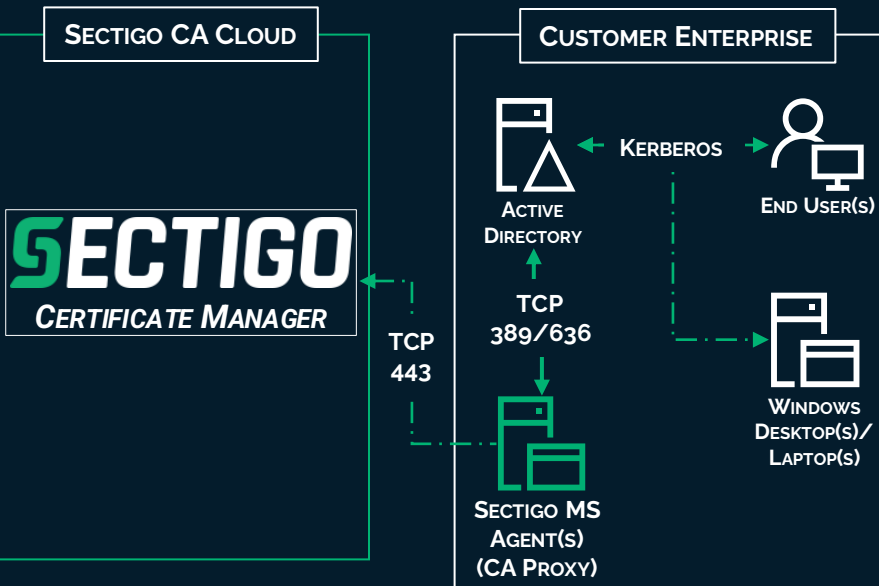
DEVOPS MODULES



AUTOMATION – CLIENT (USER) & DEVICE

SECTIGO MS AGENT

SECTIGO CERTIFICATE MANAGER MS AGENT WHEN INSTALLED AS A PROXY THAT ALLOWS THE CUSTOMER TO AUTOMATE CERTIFICATES DEPLOYMENT TO USERS AND/OR COMPUTERS IN AN ACTIVE DIRECTORY CERTIFICATE THROUGH MICROSOFT GROUP POLICY.



SIMPLE CERTIFICATE ENROLLMENT PROTOCOL (SCEP)

SECTIGO CERTIFICATE MANAGER SUPPORTS SCEP PROTOCOL FOR PUBLIC & PRIVATE CERTIFICATE AUTOMATE ENROLLMENT FOR VARIOUS USES CASES SUCH AS CERTIFICATES ON ROUTERS/SWITCHES, MOBILITY DEVICES, LAPTOP/DESKTOPS.



ENROLLMENT OVER SECURE TRANSPORT (EST)

SECTIGO CERTIFICATE MANAGER SUPPORTS EST PROTOCOL FOR PRIVATE CERTIFICATE AUTOMATE ENROLLMENT FOR VARIOUS USES CASES THAT CUSTOMER REQUIRES



APIs, DEVOPS MODULES

REST APIs

Example request

[illegible]

ENROLL CERTIFICATE

COLLECT CERTIFICATE

Example request

```
$ curl 'https://cert-manager.com/api/smime/v1/collect/12345' -i -X GET \
-H 'login: admin_customer18308' \
-H 'password: Password123' \
-H 'customerUri: cst18308'
```

Example request

```
$ curl 'https://cert-manager.com/api/smime/v1/revoke/order/12345' -i -X POST \
-H 'Content-Type: application/json;charset=utf-8' \
-H 'login: admin_customer18336' \
-H 'password: Password123' \
-H 'customerUri: cst18336' \
-H 'Accept: application/json' \
-d '{"reason":"Short description"}'
```

RENEW CERTIFICATE

**REVOKE
CERTIFICATE**

Example request

```
$ curl 'https://cert-manager.com/api/smime/v2/renew/order/12345' -i -X POST \
-H 'login: admin_customer18364' \
-H 'password: Password123' \
-H 'customerUri: cst18364' \
-H 'Accept: application/json'
```

DEVOPS MODULES



Thank you