Comodo
Certificate Manager

Version 5.5

Device Certificate Enroll API

Guide Version 5.5.082616

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Version History

1.0 Initial version

1. Introduction

Name : EPKIManagerDevice

Service EPR : http://cert-manager.com/ws/EPKIManagerDevice OR http://hard.cert-manager.com/ws/EPKIManagerDevice

View WSDL : http://cert-manager.com/ws/EPKIManagerDevice?wsdl OR http://hard.cert-manager.com/ws/EPKIManagerDevice?wsdl *

Service Description : The Service allows the Administrator to request, collect and revoke Device certificates.

* Please use the sub-domain appropriate to your use case.

2. Remote Functions

2.1. Function for Device Certificate Enrollment

2.1.1. General

Integer enroll(AuthData authData, String commonName, Integer orgId, Integer term, String csr)

2.1.1.1. Arguments

Variable Name	Type	Max. Length (chars)	Allowed Values	Description
authData	AuthData			Authentication data for access. See description in the section **2.1.2.AuthData type**
commonName	string	64		Name to enroll certificate for. This value will be set for the subject 'CN'.
csr	string	32767	Subject: The fields may be in any order (although multiple street addresses, if present, should be in the correct order). Algorithm OID = rsaEncryption (PKCS#1).	Certificate Signing Request (Base-64 encoded with or without the -----BEGIN xxxxx----- and -----END xxxxx-----

			Size = 512 to 8192 bits. Attributes: Any attributes MAY be present, but will be ignored if the subject_ fields are used. Signature Algorithm: md5WithRSAEncryption (PKCS#1)	header and footer)
orgId	String	128		Organization identifier. Can by obtained from Admin UI > Organization properties > 'Client Cert' tab.
term	Integer			Term of the Device certificate in years

2.1.1.2. Return Value – Status Code

Status code	Possible Value(s)
If ' status code' < 0	- 9 = The CSR is not valid Base-64 data! - 10 = The CSR cannot be decoded! - 11 = The CSR uses an unsupported algorithm! - 12 = The CSR has an invalid signature! - 13 = The CSR uses an unsupported key size! - 14 = An unknown error occurred! - 100 = Invalid auth data! -120 = Customer configuration is not allowed the desired action

2.1.2. AuthData type

Name	Description
setLogin(String value)	Set login name for account within CCM. This is login of the Admin with role 'Device Cert' within CCM account.
setPassword(String value)	Set password for account within CCM. This is password of the Admin with role 'Device Cert' within CCM account.
setURI(String value)	URI for logging into account within CCM.

2.2. Function for Collecting Enrolled Device Certificate

DeviceCertCollectResponse collect (AuthData authData, Integer orderNumber)

2.2.1. Arguments

Variable Name (case insensitive)	Type	Allowed values	Description
orderNumber	Integer	Any order number previously returned to your account.	This is the order number previously returned by function enroll.
authData	AuthData		Authentication data. See description in the section **2.1.2.AuthData type**

2.2.2. Return value - DeviceCertCollectResponse

DeviceCertCollectResponse - Object that contains collect operation status and Device Certificate in Base-64 if succeed.

SMIMECollectResponse	Possible value(s)
int statusCode	2 = Certificate attached 0 = Being processed by Comodo -1 = The 'Order number' argument is invalid. -2 = Order number not found. -14 = An unknown error occurred! -16 = Permission denied! -20 = CSR rejected -21 = The certificate has been revoked! -22 = Still awaiting payment! -100 = Invalid auth data! -101 = Invalid Organization auth data! -120 = Customer configuration is not allowed the desired action
String certificate	If status code = 2, then - certificate in Base-64 if succeed, null otherwise.

2.3. Function for Device Certificate Revocation

Integer revoke (AuthData authData, Integer orderNumber, String reason)

2.3.1. Arguments

Variable Name	Type	Max. Length	Description
orderNumber	Integer		This is the order number previously returned by function enroll.
reason	String	128	Revocation reason for audit logging. Empty String is also allowed.
authData	AuthData	128	Authentication data. See description in the section

			2.1.2.AuthData type

2.3.2. Return value - Status code

Status code	Possible Value(s)
Status Code	0 = Successful -1 = The 'Order number' argument is invalid. -2 = Order number not found. -14 = An unknown error occurred! -16 = Permission denied! -20 = The certificate request has been rejected! -21 = The certificate has been revoked! -26 = The certificate is currently being Issued! - 100 = Invalid auth data! - 101 = Invalid Organization auth data! - 120 = Customer configuration is not allowed the desired action

2.4. Utility Function for Getting Short Information about Web Service (name, version, etc.)

String getWebServiceInfo()

About Comodo

The Comodo organization is a global innovator and developer of cyber security solutions, founded on the belief that every single digital transaction deserves and requires a unique layer of trust and security. Building on its deep history in SSL certificates, antivirus and endpoint security leadership, and true containment technology, individuals and enterprises rely on Comodo's proven solutions to authenticate, validate and secure their most critical information.

With data protection covering endpoint, network and mobile security, plus identity and access management, Comodo's proprietary technologies help solve the malware and cyber-attack challenges of today. Securing online transactions for thousands of businesses, and with more than 85 million desktop security software installations, Comodo is Creating Trust Online®. With United States headquarters in Clifton, New Jersey, the Comodo organization has offices in China, India, the Philippines, Romania, Turkey, Ukraine and the United Kingdom.

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