https://secure.comodo.net/products/!AutoReplaceSSL

Version History

1.00	Original v	ersion.
1.01	Added:	"saspSessionID" parameter.
1.02	Added:	"organizationName" and "countryName" parameters.
1.03	Added:	Support for replacing Multi-Domain SSL Certificates (i.e. adding/removing domain names).
	Added:	"domainNames" parameter (to support Multi-Domain SSL Certificates).
	Changed:	"isCustomerValidated" must be Y for Multi-Domain SSL Certificates.
1.04	Added:	Error code -26.
1.05	Added:	Error code -36.
	Added:	Error code -15 (to support Multi-Domain SSL Certificates).
1.06	Added:	"maxSubjectCNs" parameter.
		"primaryDomainName" parameter.
1.07	Added:	"showCertificateID" parameter.
1.08	Added:	"responseFormat" parameter.
1.09	Added:	EV SSL and EV SGC SSL validation parameters.
1.10	Added:	"foreignOrderNumber" and "checkFONIsUnique" parameters.
1.11	Changed:	
	Added:	A note about the revocation behaviour.
1.12	Added:	Support for replacing Unified Communications Certificates (i.e. adding/removing domain names).
		The precise usage of the "domainNames", "primaryDomainName" and "maxSubjectCNs" parameters.
	Added:	Error code -40.
1.13	Changed:	
	Added:	Support for replacing EV Multi-Domain SSL Certificates (i.e. adding/removing domain names).
	Added:	"dcvEmailAddress" parameter for Domain Control Validation of DV SSL and OV SSL Certificates.
1.14	Added:	"validationTokens" parameter (to support DCV of Multi-Domain SSL Certificates).
	Changed:	"dcvEmailAddresses" parameter to allow "HTTP CSR Hash" and "CNAME CSR Hash" methods.
1.15	Added:	Applicant and callback parameters (to support OV callbacks by phone or letter).
1.10	Added:	"dcvMethod" parameter.
1.16 1.17	Changed: Added:	Renamed the "applicantXXXX" parameters to "appRepXXXX" (for Applicant Representative).
1.17 1.18	Added:	"signatureHash" parameter. "showCertificateState" parameter.
1.10	Added: Added:	"dcvTemplateID" parameter
1.19	Added: Added:	"exactOrder" parameter
1.20	Added:	extra information into CSR parameter allowed values column.
1.21	Added:	"uniqueValue" parameter.
	Added:	IP_ADDRESS_PRE into dcvMethod.
1.22	Added:	"omitAdditionalFQDN" parameter.
1.22	Added:	"ignoreLateOrgDetailsChanges" parameter.
1.20	i iuucu.	ignore lateorg betanisonanges parameter.

NOTE: When you call this API, it will not necessarily revoke any previous certificate(s) on the order. If you want to make sure that the certificate being replaced is revoked, use the !AutoRevokeSSL API.

1. Request

Required variables are in **bold**. Optional variables are in *italics*.

Variable Name	Туре	Max.	Allowed Values	Description
(case insensitive)	· .	Length		
loginName	string	64 chars		Account Username
				(case sensitive)
loginPassword	string	128		Account Password (case
		chars		sensitive)
saspSessionID	string	16 chars	If this parameter is specified, "loginName" and "loginPassword" should not be specified.	SASP Session ID
orderNumber	integer		The Order Number of a certificate ordered previously using !	Order Number of
			AutoApplySSL.	certificate to replace
exactOrder	char	1 char	Y or N.	Specifying Y for this parameter will mean that Comodo will use ONLY the orderNumber passed to the API, and ignore related orders
serverSoftware	integer		See the !AutoApplySSL documentation.	
domainNames (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	32767 chars	A comma-separated (or whitespace-separated) list of Domain Names / IP Addresses to be placed into the EV Multi-Domain SSL Certificate, Multi- Domain SSL Certificate or Unified Communications Certificate. If the CSR's Subject Alternative Name extension i) includes 1 or more Domain Names, and this "domainNames" parameter is <i>omitted</i> , then the Domain Names from the CSR will be <i>used</i> . ii) includes 1 or more Domain Names, and this "domainNames" parameter is <i>specified</i> , then the Domain Names from the CSR will be <i>ignored</i> . iii) is not present, or is present but includes 0 Domain Names, then this "domainNames" parameter <i>must be present</i> . NOTE : commas and/or whitespace may need to be manually URL-encoded (e.g. %2C for a comma), depending on whether or not the calling environment does this automatically.	List of Domain Names

primaryDomainName (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	64 chars	One of the Domain Names listed in "domainNames", which should appear as the first Common Name in the Subject DN of the resulting EV Multi- Domain SSL Certificate, Multi-Domain SSL Certificate or Unified Communications Certificates: For Multi-Domain Certificates: If this parameter is omitted, the Common Names will be listed in alphabetical order within the certificate. For Unified Communications Certificates: If this parameter is omitted, then the value of the CSR's Common Name will be used as the primary domain name instead.	Primary Domain Name
maxSubjectCNs (optional for Multi-Domain SSL Certificates; ignored for all other certificate types)	integer		If omitted, all of the Domain Names listed in "domainNames" will be included as Common Names in the Subject DN of the resulting EV Multi- Domain SSL Certificate or Multi-Domain SSL certificate. If 1 , there will only be 1 Common Name in the resulting certificate. This will have the value provided by "primaryDomainName" (so, in this case, "primaryDomainName" must have a value). If 0 , no Common Names will be included in the resulting certificate. Note that all of the Domain Names listed in "domainNames" will always be included as dnsName components of the Subject Alternative Name extension in the resulting Multi-Domain SSL certificate or EV Multi- Domain SSL Certificate. This parameter need not be specified for Unified Communications	Number of CNs
CSF	string	32767 chars	 Certificates, since UCCs always have "maxSubjectCNs" set to 1. See the !AutoApplySSL documentation. NOTE: If this parameter is omitted, the CSR from the original order will be used instead. A uniqueValue will be generated and returned unless one is supplied. See note below: For the HTTP_CSR_HASH, and CNAME_CSR_HASH dcvMethods we have introduced support for Request Tokens as defined in the CABF Baseline Requirements (version 1.4.1 or later) and in the manner described in Comodo's 'Domain Control Validation' document (version 1.09 or later). From 20th July 2017, the use of unique Request Tokens, the new /.well-known/pki-validation path, and the underscore prepended to the NAME for the CNAME will be required for the HTTP_CSR_HASH and CNAME_CSR_HASH dcvMethods. Request tokens may be ensured to be unique by: 1) Generating a new CSR each time; 2) Provide a previously used CSR and omit the uniqueValue. Comodo will generate a uniqueValue and this will be returned; or 3) Passing in the uniqueValue variable (see below) in addition to the CSR. This will allow the re-use of a CSR. 	Certificate Signing Request (Base-64 encoded, with or without the BEGIN xxxxx and END xxxxx header and footer)
uniqueValue prioritiseCSRValues	string	20 chars	An alphanumeric value. This uniqueValue is incorporated into the Request Token used with the HTTP_CSR_HASH, and CNAME_CSR_HASH dcvMethods. This uniqueValue is used to ensure that the Request Token for this certificate is unique. Request Tokens are as defined in the CABF Baseline Requirements (version 1.4.1 or later) and used in the manner described in Comodo's 'Domain Control Validation' document (version 1.09 or later) If this uniqueValue parameter is omitted, and if the same CSR has previously been passed to Comodo as part of a certificate order, Comodo will generate a uniqueValue and return it in the response from this API call. If this uniqueValue parameter is provided, and if the same CSR has previously been passed to Comodo as part of a certificate order, an error code (-55) will be returned if you are attempting to re-use the same combination of CSR and uniqueValue. Y or N .	This specifies which
				values to use if there are duplicates (e.g. if a Postal Code is specified in both the CSR and as a separate variable). If omitted, it's value defaults to Y .

signatureHash	string	64 chars	 NO_PREFERENCE – Let Comodo decide (the default, if this parameter is omitted). INFER_FROM_CSR – If the CSR was signed using sha1WithRSAEncryption or md5WithRSAEncryption, then 	Preference for the signature hash algorithm to be used when issuing the certificate.
			PREFER_SHA1; Else PREFER_SHA2. PREFER_SHA2 – If a suitable SHA-2 capable Sub-CA is available, Comodo will use SHA-2; Else PREFER_SHA1.	
			PREFER_SHA1 – If the current industry regulations and Comodo policies permit, Comodo will use SHA-1; Else REQUIRE_SHA2.	
			REQUIRE_SHA2 – If a suitable SHA-2 capable Sub-CA is available, Comodo will use SHA-2; Else, issuance of the certificate will be blocked until a suitable Sub-CA becomes available.	
organizationName	string	64 chars	If an Organization Name is specified here and prioritiseCSRValues is set to N , this value will be used instead of the Organization Name in the CSR.	Organization Name
organizationalUnitName	string	64 chars	If an Organizational Unit Name is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Organizational Unit Name (e.g. Company Department)
postOfficeBox	string	40 chars	If a Post Office Box is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Post Office Box
streetAddress1	string	128 chars	If a Street Address is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Street Address 1
streetAddress2	string	128 chars	If a second Street Address is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Street Address 2
streetAddress3	string	128 chars	If a third Street Address is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Street Address 3
localityName	string	128 chars	If a Locality Name is specified here and in the csr , prioritiseCSRValues indicates which value will be used.	Locality Name
stateOrProvinceName	string	128 chars	If a State or Province Name is specified here and in the csr ,	State or Province Name
postalCode	string	40 chars	prioritiseCSRValues indicates which value will be used. If a Postal Code is specified here and in the csr, prioritiseCSRValues	Postal Code
countryName	string	2 chars	indicates which value will be used. If a Country Name is specified here and prioritiseCSRValues is set to N , this value will be used instead of the Country Name in the CSR.	Country Name (ISO3166 2-character country code)
dunsNumber	string	32 chars		DUN and Bradstreet Number
companyNumber	string	25 chars		Company Registration Number
joiLocalityName	string	128 chars	Only for EV Certificates: The City or Town (if any) in which the company is incorporated.	Jurisdiction of Incorporation: Locality
joiStateOrProvinceName	string	128 chars	Only for EV Certificates: The State or Province (if any) in which the company is incorporated.	Jurisdiction of Incorporation: State
joiCountryName	string	2 chars	Only for EV Certificates: The Country in which the company is	Jurisdiction of
assumedName	string	64 chars	incorporated. Only for EV Certificates: The d/b/a (does business as) name (if any) for the	Incorporation: Country d/b/a Name
dateOfIncorporation	string	10 chars	company. Only for EV Certificates: The date of incorporation (YYYY-MM-DD) of the	Date of Incorporation
dcvMethod	string	32 chars	company. This is useful information for Validation purposes. Selected method for Domain Control Validation. Permitted values are: EMAIL HTTP_CSR_HASH	Domain Control Validation Method
			CNAME_CSR_HASH IP_ADDRESS_PRE	
			(If omitted, the default value is "EMAIL").	
dcvEmailAddress	string	255	For more information, see the "Domain Control Validation" document. If specified, this email address must be an acceptable email address with	Domain Control
(only relevant for single-domain SSL certificates)		chars	which to perform Domain Control Validation (DCV) for this certificate. See the documentation for the GetDCVEmailAddressList API for more information.	Validation Email Address
			Alternative DCV mechanisms are now available. See the "Domain Control Validation" document for full details.	
dcvEmailAddresses (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	32767 chars	A comma (or white-space)-separated list of DCV Email Addresses to be used to perform Domain Control Validation for each domain in this certificate. The order in which these email addresses are listed must be exactly the same as the order of the domain names in the certificate request (see	List of DCV Email Addresses
			'domainNames' variable, above). Alternative DCV mechanisms are now available – see the "Domain Control Validation" document for full details. You can pass the following values for	
			each domain: HTTPCSRHASH or CNAMECSRHASH or IPADDRESSPRE	
			You can use one of the following magic tokens if all the domains in the order are to be set to the same alternative DCV method: ALLHTTPCSRHASH or ALLCNAMECSRHASH or ALLIPADDRESSPRE	
			Note: The magic token must be the only value passed to the parameter for it to work.	
			If this parameter is specified, "validationTokens" should not be specified.	

douTemplateID	integor	I		If specified this
dcvTemplateID	integer			If specified, this overrides Comodo's default choice of DCV email template to be used to validate this certificate. Talk to your account manager if you would like to set up one or more of your own DCV email templates that can
				be referenced by this parameter
validationTokens (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	32767 chars	A comma (or white-space)-separated list of DCV Email Addresses to be used to perform Domain Control Validation for each domain in this certificate. The order in which these email addresses are listed must be exactly the same as the order of the domain names in the certificate request (see 'domainNames' variable, above). Alternative DCV mechanisms are now available – see the "Domain Control	List of Validation Tokens
			Validation" document for full details. You can pass the following values for each domain: HTTPCSRHASH or CNAMECSRHASH or IPADDRESSPRE	
			You can use one of the following magic tokens if all the domains in the order are to be set to the same alternative DCV method: ALLHTTPCSRHASH or ALLCNAMECSRHASH or ALLIPADDRESSPRE	
			Note: The magic token must be the only value passed to the parameter for it to work.	
caCertificateID	integer		If this parameter is specified, "dcvEmailAddresses" should not be specified. If specified, this overrides Comodo's default choice of CA certificate/key to be used to issue this certificate.	Use a particular CA certificate/key
isCustomerValidated	char	1 char	This functionality is only available by special agreement with Comodo. Y or N.	If Y (or y), the Web Host has validated the customer; if N (or n), Comodo will validate the customer
showCertificateID	char	1 char	Y or N . If omitted, it's value defaults to N .	If this value is set to Y , the certificate ID of the SSL certificate generated by the order is also part of the resultSet.
foreignOrderNumber	char	64 character s	This identifier can be returned by some of our other APIs to aid in integration with partner systems. If a "foreignOrderNumber" has been assigned to this order on a previous occasion, it will be updated with this new value.	An identifier for this order.
checkFONIsUnique	char	1 char	Y or N.	If Y , the "foreignOrderNumber" parameter (if specified) must have not already been used for any order placed by this account.
responseFormat	char	1 char	 0 = New-line delimited parameters. 1 = URL-encoded parameters. 	Explained in sections 2 and 3 below.
appRepForename (only relevant for OV Certificates)	string	64 chars	If omitted, its value defaults to 0 . Required when Comodo will perform the Organizational callback.	Applicant Representative's Name to be used for callback.
appRepSurname (only relevant for OV Certificates)	string	64 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's Name to be used for callback.
appRepEmailAddress (only relevant for OV Certificates)	string	255 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's email address to be used with callback.
appRepTelephone (only relevant for OV Certificates)	string	32 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's phone number for callback.
appRepTitle (only relevant for OV Certificates)	string	64 chars		Applicant Representative's title to be used for callback.
<i>appRepFax</i> (only relevant for OV Certificates)	string	32 chars		Applicant Representative's fax number to be used for
appRepOrganizationName (only relevant for OV Certificates)	string	255 chars	DO NOT specify this field unless the Applicant Representative's Organization Name/Address details are different to the Organization Name/Address details that have been requested to appear in the certificate.	callback. Applicant Representative's Organization Name
appRepOrganizationalUnitName (only relevant for OV Certificates)	string	64 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's Organizational Unit Name

appRepStreetAddress1 (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 1
appRepStreetAddress2 (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 2
appRepStreetAddress3 (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 3
appRepPostOfficeBox (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's post office box #
appRepLocalityName (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's locality name
appRepStateOr ProvinceName (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's state
appRepPostalCode (only relevant for OV Certificates)	string	40 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's Zip
appRepCountryName (only relevant for OV Certificates)	char	2 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's country code (ISO3166 2-character country code)
callbackMethod	char	1 char	 T = The <i>appRepTelephone</i> number will be called to communicate a callback verification code which will be used to confirm the identity of the Applicant Representative. L = A letter, containing a callback verification code, will be posted to the Applicant Representative. 	Callback method for verification of Applicant Representative's identity
isAppRepValidated	char	1 char	 Y = The Web Host Reseller has verified that the Applicant Representative's contact details are legitimate, using a data source other than the Applicant. (Only Web Host Resellers with sufficient RA privileges may specify Y). N = Comodo will verify the Applicant Representative's contact details before performing the callback using the method specified by <i>callbackMethod</i>. 	Who will verify the Applicant Representative's contact details before the callback is performed?
isCallbackCompleted	char	1 char	 Y = The Web Host has completed the callback and verified the identity of the Applicant Representative. (Only Web Host Resellers with sufficient RA privileges may specify Y. If <i>isCallbackCompleted=Y</i> is specified, then <i>isAppRepValidated=Y</i> must also be specified). N = Comodo will perform the callback using the method specified by <i>callbackMethod</i>. 	Who will perform the callback?
showCertificateState	char	1 char	Y or N.	If this value is set to Y , the state of the SSL certificate generated by the order is also part of the resultSet.
omitAdditionalFQDN (only relevant for single-domain SSL certificates)	char	1 char	 N = Comodo will add an additional FQDN, either for www.<domain> (if the certificate was requested for <domain>) or for <domain> (if the certificate was requested for www.<domain>).</domain></domain></domain></domain> Y = An additional FQDN will not be added. 	If omitted, its value defaults to N .
ignoreLateOrgDetailsChanges (only relevant for EV/OV certificates outside of refund eligibility period)	char	1 char	 Y = Comodo will ignore the <i>organizationName</i> parameter, the various address parameters (e.g., <i>localityName, countryName</i>, etc), and the corresponding Subject fields in the csr. The organization name and address from the previous certificate will be used instead. N = Comodo will use the <i>organizationName</i> parameter, the various address parameters (e.g., <i>localityName, countryName</i>, etc), and the corresponding Subject fields in the csr. 	If omitted, its value defaults to N .

2. Response (when *responseFormat=0*, the default)

2.1 MIME Type and first line

Line	Possible Value(s)
Mime-Type	text/plain
Line 1:	0 = Successful
Status Code	-1 = Request was not made over https!
	-2 = Unrecognised argument!
	-3 = The ' <i>xxxx</i> ' argument is missing!
	- 4 = The value of the ' <i>xxxx</i> ' argument is invalid!
	-5 = The CSR's Common Name may NOT contain a wildcard!
	-6 = The CSR's Common Name MUST contain ONE wildcard!
	-7 = xx is not a valid ISO-3166 country!
	-8 = The CSR is missing a required field!
	-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!
	-15 = Not enough credit!
	-16 = Permission denied! Contact Comodo Support to have your account enabled
	for !AutoReplaceSSL
	-17 = Request used GET rather than POST!
	-18 = The Intranet Server Name may not be a Fully-Qualified Domain Name!
	-19 = The Intranet Server Name may not be an Internet-accessible IP Address!
	-26 = The certificate is currently being issued!
	- 36 = The certificate has already expired!
	-40 = The CSR uses a key that is believed to have been compromised!
	-55 = This Request Token is not unique!

Note: We reserve the right to define additional error codes/messages in the future.

2.2.1 If Status Code < 0

Line	Possible Value(s)
Line 2:	See Status Code Possible Value(s)
Error Message	

2.2.2 If Status Code = 0

Line	Possible Value(s)
Line 2:	Expected number of hours before the certificate will be reissued:
Expected Delivery Time	0 – this order has been automatically validated and the certificate has been issued
	immediately. THIS IS NOT YET IMPLEMENTED.
	1 – this order has been automatically validated and the certificate will be issued
	as soon as possible (i.e. almost definitely within the next hour).
	24 – this order, although marked as validated by the Web Host, is awaiting final
	approval by an account manager.
	48 – this order was not marked as validated by the Web Host and could not be
	automatically validated by Comodo: the 48 hours starts when Comodo has
	received various documents from the end-user.
	240 – this order is for an EV Certificate. The validation process generally takes a
	lot longer for EV, compared to other SSL Certificates.
Line 3:	The internal Certificate ID of the SSL certificate generated by this replacement.
SSL Certificate ID	If the certificate being replaced was never issued, this ID will be the same as
(up to 16 digits; only returned if <i>showCertificateID=Y</i>)	before.
Line 3 or 4:	The status of the SSL certificate generated by this replacement.
SSL Certificate State	
(only returned if <i>showCertificateState=Y</i>)	
Line 3, 4 or 5:	A unique alphanumeric value up to 20 characters long.
Unique Value	
(only returned if a uniqueValue parameter was passed in to this API, or if a	
uniqueValue has been generated by Comodo for this order)	

3. Response (when responseFormat=1)

Most of Comodo's newer APIs always use URL-encoding for responses. !AutoReplaceSSL can now be instructed to return responses in the same format, simply by specifying *responseFormat=1* in the request.

3.1 MIME Type

Line	Possible Value(s)
Mime-Type	application/x-www-form-urlencoded

3.2 Parameters

bold when always present. *italic* when not always present

Name	Possible Value(s)
errorCode	An integer (see section 2.1 - "Status Code" - for the possible values).
errorMessage	A string (see section 2.1 - "Status Code" - for the possible values). This
	parameter is not present when <i>errorCode</i> =0.
expectedDeliveryTime	Expected number of hours before this order will be completed (0, 1, 24, 48 or
	240). This parameter is only present when <i>errorCode</i> =0.
certificateID	The internal Certificate ID of the SSL certificate generated by this replacement.
	This parameter is only present when <i>showCertificateID</i> = <i>Y</i> and <i>errorCode</i> =0.
certificateStatus	The status of the SSL certificate generated by this replacement. This parameter is
	only present when <i>showCertificateState</i> =Y and <i>errorCode</i> =0.
uniqueValue	A unique alphanumeric value up to 20 characters long.
	Only returned if a unique Value parameter was passed in to this API, or if a
	uniqueValue has been generated by Comodo for this order.