



Comodo Certificate Manager

Code Signing on Demand API

1. Introduction to Code Signing on Demand API

The Code Signing on Demand (CSoD) API integrates the CSoD service and code automation systems (such as Jenkins, TeamCity, Puppet, PerlScript) to provide an end-to-end, automated code-signing platform. The CSoD API is of the RESTful type.

The CSoD API service can be accessed via any third-party utility. There are two URI formats available for access:

1. Authentication via login + password - `https://<CCM Server>:<port>/api/csod/v1/requests`

Parameter	Description
<CCM Server>	The address of the CCM server you use. For example, 'cert-manager.com' or hard.cert-manager.com.
<port>	The default port number is 443.

Example:

`https://cert-manager.com:443/api /csod/v1/requests`

2. Authentication via login + client certificate - `https://<CCM Server>:<port>/private/api/csod/v1/requests`

Parameter	Description
<CCM Server>	The address of the CCM server you use. For example, 'cert-manager.com' or hard.cert-manager.com.
<port>	The default port number is 443.

Example:

`https://cert-manager.com:443/private/api /csod/v1/requests`

The Web Application Description Language (WADL) file can be accessed via the following URI format:

- `https://<CCM Server>:<port>/api/application.wadl`

Parameter	Description
<CCM Server>	The address of the CCM server you use. For example, 'cert-manager.com' or hard.cert-manager.com.
<port>	The default port number is 443.

There are two methods available:

- **API method for 'Developer' role**
- **API method for 'Administrator' role**

2.API Method for Developer Role

A 'Developer' is the CCM user who will actually use the CsoD service to sign files.

- Authentication will be performed using the developer's email and password.

Function Name	Function Parameters	Returns	Description
createByDeveloper	organizationId, version, algorithms (available types: md5, sha1, sha256, sha384, sha512), signingType (available types: java, microsoft_authenticode, android)	{requestId, uploadUrl}	Enables Developer to create a Code Signing request.
upload	File:multi-part, requestId		Enables Developer to upload a native file. The functions address = uploadUrl value returned by 'createByDeveloper' function.
submitByDeveloper	requestId		Enables Developer to submit a Code Signing request.
getListByDeveloper	position, size	List<RequestIds>	Enables Developer to get the list of existing requests IDs. The result can start from the specific item (position) and can include the specific number of requests (size).
countByDeveloper		Integer	Enables Developer to get the number of requests. Is used as max possible value for 'position' parameter of 'getListByDeveloper' function
getDetailsByDeveloper	requestId	Request	Enables Developer to get the request details. Also returns download links in String format, if the request has already been signed.

3.API Method for Administrator Role

An 'Administrator' is a CCM user with privileges to create, issue and manage code signing certificates.

- Authentication will be performed using the administrator's login and password.

Function Name	Function Parameters	Returns	Description
getListByAdmin	position, size	List <RequestIds>	Enables Admin to get the list of existing requests IDs. The result can start from the specific item (position) and can include the specific number of requests (size). The list can be filtered by Administrator.

countByAdmin		Integer	Enables Admin to get the number of requests. Is used as max possible value for 'position' parameter of 'getListByAdmin' function.
getDetailsByAdmin	requestId	Request	Enables Administrator to get the request details. Also includes download links if the request has been submitted and is not expired yet.
approveByAdmin	requestId, comment		Enables Administrator to approve Developer's request for CSoD.
declineByAdmin	requestId, comment		Enables Administrator to decline Developer's request for CSoD.

About Comodo CA

Comodo Certificate Authority is one of the world's largest providers of SSL certificates by volume having issued over 91 million certificates and serving over 200,000 customers across 150 countries. The company provides a full suite of certificate products spanning all validation levels for website certificates, certificates for code-signing and email-signing, and the Comodo Certificate Manager (CCM) platform. Comodo CA has its US headquarters in New Jersey and international offices in the United Kingdom, Ukraine and India.

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