



Comodo Certificate Manager Version 5.5

Introduction to Auto-Installer

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Certificate Manager - Introduction to Auto-Installer

Comodo continuously updates its products and services with innovative technologies to provide the best to its partners and customers alike. This document is intended to introduce partners to the new Auto-Installer feature in Comodo Certificate Manager (CCM).

In brief:

- The new feature allows MRAO and RAO admins to automate the remote installation of any SSL certificate on to Apache Httpd, Apache Tomcat and IIS web-servers (more web-server types coming soon).
- The feature is enabled on a per-certificate basis by clicking the 'Add For Auto Install' button in the 'Certificate Management - SSL Certificates' area.
- There are two modes of implementation:

Enterprise Controller Mode	CCM Controller Mode
Requires one-time installation of the certificate controller software on a central control server inside your network. The controller communicates with each remote host and coordinates automatic CSR generation and certificate	Requires an agent to be installed on each individual web server. These agents communicate with CCM to coordinate automatic CSR generation and certificate installation.
installation.	See Method 2 - CCM Controller Mode
See Method 1 - Enterprise Controller Mode	

- 1. Enterprise Controller Mode
 - i. Certificate Controller software is installed on a host in your network. This controller will communicate with your remote web-hosts and will automatically apply for and install certificates on to them. The controller is configured through a web-interface and can be configured to communicate directly with Comodo CA infrastructure through a proxy server.
 - ii. The controller periodically polls CCM for certificate requests for remote servers. If a request exists, it will automatically generate a CSR for the web server and present the application for administrator approval via the CCM interface. On approval, the agent will submit the CSR to Comodo CA and track the order number. Once the certificate is issued by CA, the controller will download the certificate and allow the administrator to install the certificate from the CCM interface.
 - iii. The auto-installation/renewal is enabled for the following server types:
 - Apache2 (httpd)
 - Apache Tomcat
 - IIS 5.0 to 8.0 (Server 2000 2008R2)

Refer to the section **Method 1 - Enterprise Controller Mode** for a tutorial on automatic installation of Certificates on remote web servers

2. CCM Controller Mode

- i. This mode requires an agent to be installed on each of the web servers for which certificate autoinstallation/renewal is required.
- ii. The agent periodically polls CCM for certificate requests for web servers enabled for automatic certificate installation. If a request exists, it will automatically generate a CSR for the web server and present the application for administrator approval via the CCM interface. On approval, the agent will submit the CSR to Comodo CA and track the order number. Once the certificate is issued by the CA, the agent will download the certificate and allow the administrator to install the certificate from the CCM interface.
- iii. The auto-installation/renewal is available for the following server types:
 - Apache2 (httpd)

- Apache Tomcat
- IIS 5.0 to 8.0 (Server 2000 2008R2)

Refer to the section **Method 2 - CCM Controller Mode** for a tutorial on automatic installation of Certificates on web servers.

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- If the admin chooses to install:
 - Windows IIS servers the certificate will be activated immediately and the 'Server Software' state will be changed to 'Active' in CCM
 - Apache servers the server will need to be restarted to finalize installation. The 'Server Software' state will be be changed to 'Restart Required' in CCM
- Once configured and running, the agent also helps automate the renewal of the certificate by, effectively, repeating this process close to expiry time (creating a new CSR and presenting it for approval by the CCM admin).

The remainder of this document is the portion of Administrator guide of Comodo Certificate Manager, that explains the process of application through installation of an SSL certificate using the new Auto-Installer feature.

Method 1 - Enterprise Controller Mode

Enterprise Controller mode enables administrators to automatically install certificates on any remote server on the network. Certificate Controller software needs to be installed on a control server and this software will communicate with web-hosts on your network. If a new certificate is required, it will coordinate with the host to generate a CSR, submit it to Comodo CA, collect the certificate and install it. The certificate controller software is accessible through a dedicated web-interface and can be configured to communicate with Comodo CA through a company owned proxy server for additional security.

Certificate Manager Administrator can add remote servers for automatic installation of certificates through 'Discovery' > 'Agents' interface.

Note: The Certificate Controller software (also known as CD Extra Agent) should have been installed on the control server prior to the application for a certificate for a remote server. Refer to the section **5.1.2 Agents** in the Administrator Guide for more details on installing the controller and the section **Configuring the Certificate Controller Agent through Web Interface** for more details on configuring the controller to connect to Comodo CA through a proxy server (optional).

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🕗 Dashboard 🖉 Certificates	😥 Discovery 🕐 Reports 🙎 Admins
Discovery Tasks Agents	
Filter	
Download Agent Edit Dele	ete Nodes Commands
NAME ALTERNA	ATIVE NAME ORGANIZATION TO DEPARTMENT ACTIVE
(igent 123 79)	123 📝 No
Edit Agent (Last activity: 03	/23/2015 14-40-54)
Common CIDE Bangoo Son	123/2013 14.45.34)
Common Cibre Ranges Ser	
*-required fields	
Name*	Agent 123 79
Version	1.7
IP address	127.0.0.1 0:0:0:0:0:0:0:1 10.100.93.72 fe80:0:0:0:9819:fcb2:b6aa:9cea fe80:0:0:0:0:5efe:a64:5d48 2001:0:9d38:6ab8:2098:3db:f59b:a2b7
Local configuration URI	https://10.100.93.72:9090 (i)
Alternative Name	Enter agent alternative name
Active	
Auto update	Enabled
Organization*	
Secret Key (min 10 symbols)*	iK1Pi3dJ8)
Keystore password	eOWI9oZSmX
Comments	
	.4
	OK Cancel

• Select the controller and click 'Edit' at the top to open the 'Edit Agent' dialog and choose the Servers tab 'Edit Agent' dialog .

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The server on which the controller is installed will be displayed in the list of servers.

· Click 'Add' to associate a remote server to the controller. The 'Add Web Server' dialog will open.

Edit Agent	t (Last activity: 03/23	/2015 14:49:54)		×	
Common	CIDR Ranges Servers	>			
- -	Add Edit Delete				
NAMI	E	VENDOR	STATE		
Server	IIS 123 52	Microsoft IIS 7.x	Active		
	Add Web Server		×		
	Name* Enter server name				
	Vendor*	Microsoft IIS 7.x			
	State I	nit			
	Remote				
	IP address / Port: *				
	Username: Enter username				
	Password: Enter password				
		OK Cancel			

Add Web Server - Table of Parameters							
Field Name Type Description							
Name	String	Enables the Administrator to enter the name of the server.					
Vendor	Drop-down	Enables the Administrator to select the vendor of the server.					
State		Indicates whether or not the server is initialized.					
Path to web server	String	Enables the Administrator to specify the network path for the server. Required only for Apache 2.x and Apache Tomcat servers.					
Remote	Checkbox	Enables the Administrator to specify whether the server is Remote or Local. While adding remote servers for agent-less automatic certificate installation, this checkbox should be selected.					
IP Address / Port	String	Enables the Administrator to specify the IP address and connection port of the server for remote connection.					

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Add Web Server - Table of Parameters					
		Note: This field will be enabled only if 'Remote' is selected.			
User Name	String	For IIS server - Enables the Administrator to specify the username of the administrator for logging-into the server.			
		For Apache - Enables the Administrator to specify the private key file path to enable agent to access the server			
		Note: This field will be enabled only if 'Remote' is selected.			
Password	String	For IIS server - Enables the Administrator to specify the login password for the administrator account for logging into the server			
		For Apache - Enables the Administrator to specify the passphrase of the private key file path			
		Note: This field will be enabled only if 'Remote' is selected.			

• Enter the parameters and click OK. The server will be added to the controller. It will take a few minutes for the server to become 'Active' state.

Edit Ager	Edit Agent (Last activity: 03/23/2015 14:49:54)				
Common	CIDR Ranges	Servers			
-	🕂 Add 🛛 Edit	Delete			
NAR	ИE		VENDOR	STATE	
Serve	er IIS 123 52		Microsoft IIS 7.x Active		
 Remo 	ote Server		Microsoft IIS 7.x	Init	
15 rows/page 1 - 2 out of 2					
		Ok	Cancel		

Once the remote server is added to the controller, the administrator can apply for the domains hosted from the server through the 'Certificates' > 'SSL Certificates' area of CCM interface by clicking the 'Add For Auto Install' button (as shown).

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🕜 Dashboard	🤶 Certificate	es 😥 Discovery	C Reports	🥵 Admins	tit se
SSL Certificates	Client Certificates	Code Signing Certificat	es		
Filter					
	d Export Ad	d For Auto Install			
COMMON	IAME	ORGANIZATION	DEPARTMENT	STATUS	EXP
abcdcomp.cc	om	ABCD Company		Issued	03 /10
bestorg.com		Best Organization		Requested	
© capitalbus.co	m	Capital Business		Revoked	

The 'Add for Auto Install' dialog will be displayed with the 'Nodes' interface opened. The 'Nodes' interface displays a tree structure of servers associated with the Certificate Controller and the domains hosted by them.

A	dd For Auto Install							×
	1 Nodes	2 Data	- 3 s	chedule ——		4 Por	t	5 EULA
	2							
	NAME	COMMON NAME	PROTOC	IP ADDRESS	PORT	STATUS	SSL	
	🕀 Server IIS 123 52					Active		
	🖃 Remote Server					Active		
	Default Web Site	Default Web Site	HTTP	*	80	No SSL		
	ø ditherscons.com	ditherscons.com	HTTP	*	81	No SSL		
						15 rows/page	1 - 2 out of 2	* • • •
	Close							Next >

• Select the domain from the remote server for which you wish to install a SSL certificate and click 'Next'.

The Data interface will be displayed enabling you to select the server software and the SSL certificate type.

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Add For Auto Install			×
1 Nodes 2 Data	3 Schedule	4 Port	5 EULA
Server Software	Microsoft IIS 5.x and later		
SSL Type	Instant SSL		
Term	1 year		
Telephone			
Close			< Back Next >

- Select the Server type from the 'Server Software' drop-down.
- Select the SSL certificate type that you wish to order from the 'SSL Type' drop-down. The drop-down will list only the certificate types that are enabled for the Organization.
- Select the term length of the certificate from the 'Term' drop-down.
- Enter the parameter(s) for custom field(s) such as 'Employee Code, Telephone' (if any) added for the SSL enrollment forms.
- Click 'Next'. The 'Schedule 'interface will be opened.

Add For Auto Install				×
1 Nodes 2 Data	3 Schedule		4 Port	5 EULA
٥	Manual			
	Certificate installation must	be started manually.		
0	Schedule			
	Certificate installation will b	e started during selec	ted time period.	
Time zone:	UTC+05:30 - IST, SLT		-	
Start not earlier than:	04/02/2015	16 : 22		
Finish not later than:	04/03/2015	16 : 22		
Close				< Back Next >

- If you want to manually install the certificate, select 'Manual'
- If you want to install the certificate at a scheduled time, select 'Schedule' and then select your time zone, and set a time period. The Certificate Controller will generate the CSR and submit to Comodo CA, when it polls the CCM for the first time, within the set time period.
- Click Next.
- If you are applying for a SSL certificate for a node with HTTP protocol, the Port interface will open. If you you have chosen a node with HTTPS protocol, this step will be skipped and the **EULA interface** will open.

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Add For Auto Install			×
1 Nodes 2 Data	3 Schedule	4 Port	5 EULA
Default Web Site	8443 (i) Default node port will be used. New binding on port 8443 will be created		
Close			< Back Next >

- Specify the HTTPS port for installing the certificate, (Default = 9443)
- Click 'Next'.

The EULA interface will open.

Add For Auto Install				×
1 Nodes 2	2 Data	3 Schedule	4 Port	5 EULA
Subsc 1 Como THIS 3 AGRE IMPOF APPL3 FOR, 1 THE CERT PURC MANA ACKN UNDE YOU C YOU C FOR, 2 CERT The te betwe (the *C emplo Servic you m and Conditional Servic You 1 ag	criber Agreement: bdo ePKI Certificate Manager Agree AGREEMENT CONTAINS A BINDIN EMENT CAREFULLY BEFORE ACC RTANT—PLEASE READ THESE TE YING ACCEPTING, OR USING YOUR CC TIFICATE MANAGER SOFTWARE. B CHASING A CERTIFICATE MANAGE (GER OR BY ACCEPTING THIS AG IOWLEDGE THAT YOU HAVE READ ERSTAND IT, THAT YOU AGREE TO DO NOT AGREE TO THE TERMS AI ACCEPT, OR CREATE A CERTIFIC IFICATE MANAGER AND CLICK "D terms and conditions set forth below ten you Company" or "you") and Comodo C oyee's on and use of your Certificate Mana 295, nust agree to these terms and condi- tions, shall void any and all oblication rint gree." Scroll to bottom of the agree	Iment – EV Enabled G ARBITRATION CLAUSE. PLEASE REAL CEPTING THE TERMS AND CONDITIONS SRMS AND CONDITIONS CAREFULLY BE DMODO EPKI CERTIFICATE MANAGER AC Y USING, APPLYING FOR, ACCESSING, R ACCOUNT OR USING OR ACCESSING R ACCOUNT OR USING OR ACCESSING THIS LICENSE AGREEMENT AND THAT D CONDITIONS OF THIS AGREEMENT, AND ACCEPT THE TERMS AS PESENT TATE MANAGER ACCOUNT OR USE OR A ECLINE" BELOW. I (the "Agreement") constitute a binding a A Limited ("Comodo") with respect to you ager account and the related software. To litions. You agree that any failure to abide cons. of Comodo hereunder ement to activate check box.	D THE S. FFORE CCOUNT OR OR S CERTIFICATE BELOW, YOU FYOU ED HEREIN, IF DO NOT APPLY VCCESS greement r or your receive the by these terms	
Close				< Back OK

- Read the EULA fully and accept to it by selecting 'I Agree' checkbox.
- Click 'OK' to save your application.

The certificate will be added to the SSL Certificates interface and its status will be displayed as 'Requested'.

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	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
\bigcirc	abcdamp.com	ABCD Company		Requested			
۲	ditherscons.com *	Dithers Construction Company	Purchases Department	Requested	>		
۲	drake.com	Drake		Requested			
۲	elegant.com	Elegant	Purchases Department	Requested			
۲	fatcat.com	Fat Cat		Requested			

• The CSR for the requested certificate will be generated automatically. On successful creation of CSR, the 'Approve' button will appear at the top, on selecting the certificate.

Add Export	Add For Auto Install Edit	Detail Approve	ecline		
COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE
abcdamp.com	ABCD Company		Requested		
ditherscons.com*	Dithers Construction Company	Purchases Department	Requested		
odrake.com	Drake		Requested		
elegant.com	Elegant	Purchases Department	Requested		
fatcat.com	Fat Cat		Requested		
			5 row	s/page 6 - 10 out of	50333 ┥ 🖌 🕨
			<u> </u>		

 Click the 'Approve' button to approve the request, enter the approval message in the 'Approval Message' dialog and click 'OK'.

Approval Message	×
*-required fields	
Message*	
SSL certificate for <u>ditherscons</u> .com is approved	
OK Cancel	

On approval, the CSR will be submitted to Comodo CA to apply for the certificate. The certificate status will be changed to 'Applied'.

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	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	*
0	abcdamp.com	ABCD Company		Requested			
۲	ditherscons.com*	Dithers Construction Company	Purchases Department	Applied	>		
0	drake.com	Drake		Requested			
0	elegant.com	Elegant	Purchases Department	Requested			
	fatcat.com	Fat Cat		Requested			

The Certificate Controller will track the order number and download the certificate from the CA, once it is issued and stores it. The certificate status will be changed to 'Issued'.

Ð	Add Export Ad	d For Auto Install Deta	ails Install Ren	ew Revoke			
	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
0	abcdamp.com	ABCD Company		Requested		·	
0	ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	•	
\odot	drake.com	Drake		Requested			
\odot	elegant.com	Elegant	Purchases Department	Requested			
\odot	fatcat.com	Fat Cat		Requested			
				5 rov	vs/page 6 - 10 out o	f 50333 📢 🔹 🕨	•

- To check whether the Certificate Controller has stored the certificate, click 'Settings' > 'Discovery' > 'Agents'.
- Select the controller and click 'Commands' button

You will see successful execution of 'Store Certificate' command.

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	😰 Discovery 🕑 Re	ports <u>Q</u> 2 Admins	
Filter			
Download Agent Edit Delete	Nodes Commands		
NAME ALTERNATIVE	NAME ORGANIZATION	▼ DEPARTMENT	
Agent 123 79	123		
Commands	•		×
Commands Queue Schedule history	·		×
Commands Queue Schedule Schedule history	,		×
Commands Queue Schedule Schedule history	DATE	STATE	×
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:29:40	Successful	×
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:29:40 04/06/2015 12:06:49	Successful Successful	×
Commands Queue Schedule Schedule history Commands Schedule Schedule history Commands Schedule Schedule history Commands Schedule Schedule history Commands Schedule Schedule history Discover Target Servers	DATE 04/06/2015 12:29:40 04/06/2015 12:06:49 04/06/2015 11:44:38	Successful Successful Successful	×
Commands Queue Schedule Schedule history Commands Schedule Schedule history Store Certificate Generate Certificate Discover Target Servers Discover Target Servers	DATE 04/06/2015 12:29:40 04/06/2015 12:06:49 04/06/2015 11:44:38 04/06/2015 11:28:40	Successful Successful Successful Partially Successful	×
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:29:40 04/06/2015 12:06:49 04/06/2015 11:44:38 04/06/2015 11:28:40	STATE Successful Successful Successful Partially Successful 15 rows/page 1 - 4 out of 4	

• To install the certificate on to the remote server, select the certificate and click 'Install' from the 'Certificates' interface.

🔁 🛉 Add Export Add For Auto Install Details (Install Renew Revoke COMMON NAME ORGANIZATION PARTMENT ▲ STATUS EXPIRES SERVER SOFTWARE × ABCD Company abcdamp.com Requested Dithers Constru nion 03/31/2016 ditherscons.com Purchases Department Issued Company drake.com Drake Requested 0 elegant.com legant Purchases Department Requested × Install Certificate | Nodes 2 Port 3 Schedule Installing cert order number 1306110. Select the node to install. ₽. NAME COMMON NAME PROTOC IP ADDRESS PORT STATUS SSL E Server IIS 123 52 Active E Remote Server Active Oefault Web Site Default Web Site HTTP 80 No SSL ditherscons.com HTTP 81 No SSL Oditherscons.com rows/page 1 - 1 out of 1 15 Close

The 'Install Certificate' dialog will be displayed with the nodes interface opened. The node upon which the certificate is to be installed is pre-selected.

- If you want to install the same certificate to additional nodes or to a different node, select the node(s) as required
- Click 'Next'.
- If you have chosen to install the certificate on to a node with HTTP protocol, the 'Port' interface will open to specify the HTTPS port on to which the certificate has to be installed. If you have chosen a node with HTTPS protocol, this step will be skipped and the **Schedule interface** will open.

Install Certificate			×
1 Nodes 2 Port	3 Schedule		
ditherscons.com	9443 Default node port will be used. The certificate will be installed on existing ditherscons.com:9443		
Close		< Back Next >	

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• Specify the port and click 'Next'. The 'Schedule' interface will open.

Install Certificate				×
1 Nodes 2 Port	3 Schee	lule		
۲	install now			
	Certificate installation w	ill be started imme	diately.	
0	Schedule			
	Certificate installation w	ill be started during	selected time period.	
Time zone:	UTC+05:30 - IST, SLT		T	
Start not earlier than:	04/06/2015	13 : 16		
Finish not later than:	04/07/2015	13 : 16		
Close				< Back OK

- · If you want to instantly install the certificate, select 'Install now'
- If you want to install the certificate at a later time, select 'Schedule', then select your time zone, and set a time period. The certificate will be installed on the remote server when the certificate controller polls CCM for the first time, within the set time period.
- Click 'OK'

The certificate installation will begin instantly or at the scheduled time as set in the 'Schedule' interface and the Server Software state of the certificate will be displayed as 'Installing...'

COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
abcdamp.com	ABCD Company		Requested			
ø ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	Installing	
drake.com	Drake		Requested			
elegant.com	Elegant	Purchases Department	Requested			
fatcat.com	Fat Cat		Requested			

Upon completion of installation,

 For IIS servers and Tomcat servers: the certificate will be activated immediately and the Server Software state will be indicated as 'Active'.

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	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
D	abcdamp.com	ABCD Company		Requested			
0	ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	Active	
D	drake.com	Drake		Requested			
D	elegant.com	Elegant	Purchases Department	Requested			
0	fatcat.com	Fat Cat		Requested			

 For Apache Httpd/Apache Tomcat server: the certificate will be activated upon restart of the server. The Server Software state will be indicated as 'Restart Required'.

Ð	Add Export A	dd For Auto Install Deta	ails Install Ren	ew Revoke			
	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
0	abcdamp.com	ABCD Company		Requested			
۲	ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	Restart Required	>
\odot	drake.com	Drake		Requested			
	elegant.com	Elegant	Purchases Department	Requested			
\odot	fatcat.com	Fat Cat		Requested			
				5 rov	vs/page 6-10 out	t of 50333 📢 🔹 🕨	•

Administrators can restart the server remotely from the CCM interface by clicking the 'Details' button then 'Restart':

- Select the certificate and click the 'Details' button at the top. The 'Certificate Details' dialog will be displayed.
- Click 'Restart' beside the Server Software State field in the 'Details' dialog

Туре	Instant SSL		
Server Software	Apache/ModSSL	View	Edit
Server Software State	Restart Required	Restart	
Term	1 year		
Owner	admin 1 Resen	nd Edit	

Upon restarting the server, the certificate will be activated and the Server Software state will be indicated as 'Active'.

- To check whether the Certificate Controller has installed the certificate, click Discovery > Agents
- Select the controller and click the 'Commands' button

You will see successful execution of 'Install Certificate' command.

× Commands Queue Schedule Schedule history Ð NAME DATE STATE Install Certificate 04/06/2015 12:59:56 \bigcirc Successful Store Certificate 04/06/2015 12:29:40 Successful ۲ ۲ Generate Certificate 04/06/2015 12:06:49 Successful 04/06/2015 11:44:38 Discover Target Servers Successful ۲ Discover Target Servers 04/06/2015 11:28:40 Partially Successful rows/page 1-5 out of 5 15

• To view the details of the command, select the command and click the 'Details' button from the top.

Commands				×
Queue Schedule Schedule history				
Details Cancel				
NAME	DATE	STATE		
Install Certificate	04/06/2015 12:59:56	Successful		
Store Certificale	04/06/2015 12:29:40	Successful		
Generate Certificate	04/06/2015 12:06:49	Successful		
Discover Target Servers	04/06/2015 11:44:38	Successful		
Discover Ta Details			×	
	Name Install Certificate			
	Date 04/06/2015 12:59:50	6		
	State Successful			
Detail Me	SSage SSL Order Numbe SSL Serial Numb 49740C0284F8B8C	SSAGE SSL Order Number: 1306110 SSL Serial Number: 49740C0284F8B8C2B9C119124F3E1111		
	Close			

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Method 2 - CCM Controller Mode

Certificate Manager administrators can apply for new certificates for domains hosted from different web servers, directly from the 'Certificates' - 'SSL Certificates' area. The CCM Controller Mode requires an agent to be installed on each web server upon which the certificates are to be auto-installed/renewed.

• To apply for a certificate click the 'Add For Auto Install' button (as shown).

🕗 Dashboa	rd 🤶 Certifica	tes 😥 Discovery	C Reports	🥵 Admins	tii se
SSL Certificates	Client Certificates	Code Signing Certificate	es		
ү Filter					
2 + A	Add Export A	dd For Auto Install			
СОММОК	I NAME	ORGANIZATION	DEPARTMENT	STATUS	
					EXF
abcdcomp.	com	ABCD Company		Issued	03/10
abcdcomp.bestorg.com	com m	ABCD Company Best Organization		Issued Requested	03/10
 abcdcomp. bestorg.cor capitalbus. 	com n and a state and a state com	ABCD Company Best Organization Capital Business		Issued Requested Revoked	03/10

The 'Add for Auto Install' dialog will be displayed with the 'Nodes' interface opened. The 'Nodes' interface displays a list of Agents installed in your servers for different Organizations and Departments, with the list of server nodes under each Agent.

A	dd For Auto Install							×
	1 Nodes 2	Data	-35	chedule ——		4 Por	t	5 EULA
	Đ							
	NAME	COMMON NAME	PROTOC	IP ADDRESS	PORT	STATUS	SSL	
	E Server IIS 123 52					Active		
	😑 Server IIS Purchases Department 98					Active		
	Default Web Site	Default Web Site	HTTP	*	80	No SSL		
	ø ditherscons.com	ditherscons.com	HTTP	*	81	No SSL		
						15 rows/page	1 - 2 out of 2	~ · · »
	Close							Next >

Select the domain for which you wish to install a SSL certificate and click Next.

•

The Data interface will be displayed enabling you to select the server software and the SSL certificate type.

Add For Auto Install			×
1 Nodes 2 Data	3 Schedule	4 Port	5 EULA
Server Software	Microsoft IIS 5.x and later		
SSL Type	Instant SSL		
Term	1 year		
Telephone			
Close			< Back Next >

- Select the Server type from the 'Server Software' drop-down.
- Select the SSL certificate type that you wish to order from the 'SSL Type' drop-down. The drop-down will list only the certificate types that are enabled for the Organization.
- Select the term length of the certificate from the 'Term' drop-down.
- Enter the parameter(s) for custom field(s) such as 'Employee Code, Telephone' (if any) added for the SSL enrollment forms.
- Click 'Next'. The 'Schedule' interface will be opened.

Add For Auto Install				×
1 Nodes 2 Data	3 Sch	edule	4 Port	5 EULA
٩	Manual			
	Certificate installation	must be started manu	Jally.	
	Schedule			
	Certificate installation	will be started during	selected time period.	
Time zone:	UTC+05:30 - IST, SL	Т	~	
Start not earlier than:	04/02/2015	16 : 22		
Finish not later than:	04/03/2015	16 : 22		
Close				< Back Next >

- If you want to manually install the certificate, select 'Manual'
- If you want to install the certificate at a scheduled time, select 'Schedule' and then select your time zone, and set a time period . The CSR will be generated and submitted to Comodo CA, during the first polling by the Agent, within the set time period.
- Click 'Next'.
- If you are applying for a SSL certificate for a node with HTTP protocol, the Port interface will open. If you have chosen a node with HTTPS protocol, this step will be skipped and the EULA interface will open.

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Add For Auto Install			×
1 Nodes 2 Data	3 Schedule	4 Port	5 EULA
Default Web Site	8443		
	Default node port will be used. New binding on port 8443 will be created		
Close			< Back Next >

- Specify the HTTPS port for installing the certificate, (Default = 8443)
- Click 'Next'. The EULA interface will open

Add For Auto Install	×
1 Nodes	5 EULA
Subscriber Agreement 1 Comodo ePKI Certificate Manager Agreement – EV Enabled THIS AGREEMENT CONTAINS A BINDING ARBITRATION CLAUSE, PLEASE READ THE AGREEMENT CAREFULLY BEFORE ACCEPTING THE TERMS AND CONDITIONS. IMPORTANT—PLEASE READ THESE TERMS AND CONDITIONS CAREFULLY BEFORE APPLYING FOR, ACCEPTING, OR USING YOUR COMODO EPKI CERTIFICATE MANAGER ACCOUNT OR URCHASING A CERTIFICATE MANAGER SOFTWARE. BY USING, APPLYING FOR, ACCESSING, OR URCHASING A CERTIFICATE MANAGER ACCOUNT OR USING OR ACCESSING, OR NANAGER OR BY ACCEPTING THIS AGREEMENT BY CLICKING ON 1 ACCEPTI BELOW, YOU ACKNOWLEDGE THAT YOU HAVE READ THIS LICENSE AGREEMENT AND THAT YOU UNDERSTAND IT, THAT YOU AGREE TO AND ACCEPT THE ISEMENT, DO NOT APPLY FOR, ACCEPT, OR CREATE A CERTIFICATE MANAGER ACCOUNT OR USING APPLYEND FOR, ACCEPT FOR, ACCEPT, OR CREATE A CERTIFICATE MANAGER ACCOUNT OR USE OR ACCESS CERTIFICATE MANAGER AND CLICK TO ECLIVE' EBLOW. The terms and conditions set forth below (the "Agreement") constitute a binding agreement between you (the "Company" or 'you") and Comodo CA Limited ("Comodo") with respect to your or your employee's creation and use of your Certificate Manager account and the related software. To receive the Services, you must agree to these terms and conditions. You agree that any failure to abide by these terms and. conditions shall wold any and all oblinations of Comodo hereunder. Print VI agree.* Scroll to bottom of the agreement to activate check box.	
Close	< Back OK

- Read the EULA fully and accept to it by selecting 'I Agree' checkbox.
- Click 'OK' to save your application.

The certificate will be added to the SSL Certificates interface and its status will be displayed as 'Requested'.

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	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	
)	abcdamp.com	ABCD Company		Requested			
)	ditherscons.com *	Dithers Construction Company	Purchases Department	Requested	•		
)	drake.com	Drake		Requested			
0	elegant.com	Elegant	Purchases Department	Requested			
)	fatcat.com	Fat Cat		Requested			

The Agent will generate a CSR for the requested certificate automatically during its first polling cycle in the set schedule period. If you want to generate the CSR instantly, click 'Refresh'. On successful creation of CSR, the 'Approve' button will appear for the certificate.

Add Export	Add For Auto Install Edit	Detail Approve	ecline			
COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
abcdamp.com	ABCD Company		Requested			
itherscons.com*	Dithers Construction Company	Purchases Department	Requested			
odrake.com	Drake		Requested			
elegant.com	Elegant	Purchases Department	Requested			
fatcat.com	Fat Cat		Requested			
L			5 ro	ws/page 6 - 10 out	t of 50333 📢 🔹 🕨	•

 Click the 'Approve' button to approve the request, enter the approval message in the 'Approval Message' dialog and click 'OK'.

Approval Message	×
*-required fields	
Message*	
SSL certificate for <u>ditherscons</u> .com is approved	.41
OK Cancel	

On approval, the CSR will be submitted to Comodo CA to apply for the certificate. The certificate status will be changed to 'Applied'.

COMODO

Ð	Add Export Add	d For Auto Install Deta	ails				
	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
\bigcirc	abcdamp.com	ABCD Company		Requested			
۲	ditherscons.com*	Dithers Construction Company	Purchases Department	Applied	>		
\bigcirc	drake.com	Drake		Requested			
۲	elegant.com	Elegant	Purchases Department	Requested			
\odot	fatcat.com	Fat Cat		Requested			
				5 rov	vs/page 6 - 10 out o	f 50333 📢 🚺 🕨	•

The Agent will track the order number and download the certificate from the CA, once it is issued and stores it. The certificate status will be changed to 'Issued'.

Ð	Add Export Add	d For Auto Install Deta	ails Install Ren	ew Revoke			
	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
0	abcdamp.com	ABCD Company		Requested			
۲	ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	>	
\bigcirc	drake.com	Drake		Requested			
	elegant.com	Elegant	Purchases Department	Requested			
\bigcirc	fatcat.com	Fat Cat		Requested			
				5 го	ws/page 6 - 10 out c	of 50333 📢 🔹 🕨	•

- To check whether the Agent has stored the certificate, click 'Discovery' > 'Agents'.
- Select the Agent and click 'Commands' from the top

You will see successful execution of 'Store Certificate' command.

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Filter	\sim				
b Download Agent Edit Delete No	Commands				
NAME ALTERNATIVE NAME	ORGANIZATION	▼ DEPARTMENT	ACTIVE	STATE	
Agent Purchases Department 84	Dithers Construction Company	Purchases Department	V	Connected	
Agent 123 70	123			Not connected (6)	
Commands Queue Schedule Schedule history	V				3
Commands Queue Schedule Schedule history	DATE	STATE			;
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:3	29:40 Successfu			3
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:2 04/06/2015 12:0	29:40 Successfu 56:49 Successfu			3
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:0 04/06/2015 11:0	29:40 Successfu 26:49 Successfu 44:38 Successfu			;
Commands Queue Schedule Schedule history	DATE 04/06/2015 12:1 04/06/2015 12:1 04/06/2015 11:2 04/06/2015 11:2	29:40 Successfu 29:49 Successfu 26:49 Successfu 44:38 Successfu 28:40 Partially Su			;

• To install the certificate, click 'Install' from the 'Certificates' interface.

COMODO Creating Trust Online*

COMMON NAME	ORGANIZATION	BEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
abcdamp.com	ABCD Company		Requested			
ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016		
drake.com	Drake		Requested			
) elegant.com	Elegant	Purchases Department	Requested			
· Felnet.com	Eat Cat					
stall Certificate						
Nodes	2 Port	3 Schedule				
Nodes	2 Port	3 Schedule				
Nodes	Port Installing cert ord	3 Schedule	lect the no	de to install.		
Nodes	Port Installing cert ord COMMON NAME	3 Schedule er number 1306110. Se PROTOC IP ADDRESS	lect the no	de to install. STATUS	SSL	
Nodes	2 Port Installing cert ord COMMON NAME	3 Schedule er number 1306110. Se PROTOC IP ADDRESS	ect the no	de to install. STATUS Active	SSL	
Nodes Nodes AME Server IIS Purchases Departmer © Default Web Site	Port Installing cert ord COMMON NAME Default Web Site	3 Schedule er number 1306110. Se PROTOC IP ADDRESS HTTP *	PORT 80	de to install. STATUS Active No SSL	SSL	
Nodes Nodes Server IIS Purchases Departmen Default Web Site O Default Web Site	2 Port Installing cert ord COMMON NAME The second s	3 Schedule er number 1306110. Se PROTOC IP ADDRESS HTTP * HTTP *	PORT	de to install. STATUS Active No SSL No SSL	SSL	
Nodes Nodes NAME Server IIS Purchases Departmen O Default Web Site O Default Web Site	2 Port Installing cert ord COMMON NAME The second s	3 Schedule er number 1306110. Se PROTOC IP ADDRESS HTTP * HTTP *	PORT 80 81	de to install. STATUS Active No SSL No SSL	SSL	

The 'Install Certificate' dialog will be displayed with the nodes interface opened. The node upon which the certificate is to be installed is pre-selected.

- If you want to install the same certificate to additional nodes or to a different node, select the node(s) as required
- Click 'Next'.
- If you have chosen to install the certificate on to a node with HTTP protocol, the 'Port' interface will open to specify the HTTPS port on to which the certificate has to be installed. If you have chosen a node with HTTPS protocol, this step will be skipped and the Schedule interface will open.

Install Certificate		×
1 Nodes 2 Port	3 Schedule	
ditherscons.com	9443 Default node port will be used. The certificate will be installed on existing ditherscons.com:9443	
Close		< Back Next >

COMODO Creating Trust Online

· Specify the port and click 'Next'. The 'Schedule' interface will open.

Install Certificate				×
1 Nodes 2 Port	3 Sched	ule		
۲	Install now			
	Certificate installation wi	II be started immed	diately.	
0	Schedule			
	Certificate installation wi	II be started during	selected time period.	
Time zone:	UTC+05:30 - IST, SLT		T	
Start not earlier than:	04/06/2015	13 : 16		
Finish not later than:	04/07/2015	13 : 16		
Close				< Back OK

- If you want to instantly install the certificate, select 'Install now'
- If you want to install the certificate at a later time, select 'Schedule', then select your time zone, and set a time period. The Agent will install the certificate when it polls the CCM for the first time, within the set time period.
- Click 'OK'

The certificate installation will begin instantly or at the scheduled time as set in the 'Schedule' interface and the Server Software state of the certificate will be displayed as 'Installing...'

Ð	Add Export Add	l For Auto Install Deta	ills Install Ren	ew Revoke		
1999	COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE
\bigcirc	abcdamp.com	ABCD Company		Requested		
۲	ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	Installing
\bigcirc	drake.com	Drake		Requested		
\bigcirc	elegant.com	Elegant	Purchases Department	Requested		
\bigcirc	fatcat.com	Fat Cat		Requested		
				5 row	vs/page 6 - 10 out o	of 50333 📢 🔹 🕨 🕨

Upon completion of installation,

 For IIS servers and Tomcat servers: the certificate will be activated immediately and the Server Software state will be indicated as 'Active'.

COMODO

COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS EXPIRES SERVER SOFTWARE
abcdamp.com	ABCD Company		Requested
ditherscons.com	Dithers Construction Company	Purchases Department	Issued 03/31/2016 Active
drake.com	Drake		Requested
elegant.com	Elegant	Purchases Department	Requested
fatcat.com	Fat Cat		Requested
			E rows/page 6 10 out of 50333

For Apache servers: the certificate will be activated upon restart of the server. The Server Software state will be indicated as 'Restart Required'.

Add Export A	dd For Auto Install Deta	ails Install Ren	ew Revoke			
COMMON NAME	ORGANIZATION	DEPARTMENT	▲ STATUS	EXPIRES	SERVER SOFTWARE	×
abcdamp.com	ABCD Company	·	Requested			
o ditherscons.com	Dithers Construction Company	Purchases Department	Issued	03/31/2016	Restart Required	>
drake.com	Drake		Requested			
elegant.com	Elegant	Purchases Department	Requested			
fatcat.com	Fat Cat		Requested			
			5 row	rs/page 6 - 10 out	t of 50333 📢 🔹 🕨	₩

Administrators can restart the server remotely from the CCM interface by clicking the 'Details' button then 'Restart':

- Select the certificate and click the 'Details' button at the top. The 'Certificate Details' dialog will be displayed.
- Click Restart beside the Server Software State field in the 'Details' dialog

Туре	Instant SSL		
Server Software	Apache/ModSSL	View	Edit
Server Software State	Restart Required	Restart	
Term	1 year		
Owner	admin 1 Recen	d Edit	

Upon restarting the server, the certificate will be activated and the Server Software state will be indicated as 'Active'.

- To check whether the Agent has installed the certificate, click Discovery > Agents
- Select the agent and click the 'Commands' button.

You will see successful execution of 'Install Certificate' command.

× Commands Queue Schedule Schedule history Ð NAME DATE STATE Install Certificate 04/06/2015 12:59:56 \bigcirc Successful Store Certificate 04/06/2015 12:29:40 Successful ۲ ۲ Generate Certificate 04/06/2015 12:06:49 Successful 04/06/2015 11:44:38 Discover Target Servers Successful ۲ Discover Target Servers 04/06/2015 11:28:40 Partially Successful rows/page 1-5 out of 5 15

• To view the details of the command, select the command and click the 'Details' button from the top.

Commands				×
Queue Schedule Schedule history				
Details Cancel				
NAME	DATE	STATE		
Install Certificate	04/06/2015 12:59:56	Successful		
Store Certificale	04/06/2015 12:29:40	Successful		
Generate Certificate	04/06/2015 12:06:49	Successful		
Discover Target Servers	04/06/2015 11:44:38	Successful		
Discover Ta Details			×	
	Name Install Certificate			
	Date 04/06/2015 12:59:5	6		
	State Successful			
Detail M	essage SSL Order Numbe SSL Serial Numb 49740C0284F8B8C	er: 1306110 er: 289C119124F3E1111	▲ ▼	
	Close			



The Certificate Controller Agent can be configured by logging-in to its web-interface.

To access the Agent configuration web interface

 Type http://<IP Address/host name of the server on which the agent is installed>:9090 in the address of your browser.

The login dialog will appear:

Authentication	Required
? User Name:	A username and password are being requested by https:// :9090. The site says: "Use credentials from your CCM account"
Password:	
	OK Cancel

• Enter your CCM username and password.

The Agent configuration interface will open.

Agent Configuration					
gent Configuration					
Connection sett	ings:		Certificate management settings:		
CCM Url:	https://cert-manager.com/customer/s	Â.	Key store name: ccm_keystore		
Customer URI:	static		Key store password:		
Secret key:	QAs3~7WCJL		Backups dir:		
Poll interval:	60				
Retry interval:	30	_			
	📝 Agent autoupdate enable	-			
	Use Proxy				
Host:					
Port:					
Username:					
Password		Ţ			

It has two tabs:

Agent Configuration

сомодо

Server Management

Agent Configuration

The Agent Configuration tab displays the connection management settings and certificate management settings of the agent and enables the administrator to edit them, if required.

Agent Configuration					
gent Configuration		_			
connection sett	ings:		Certificate manage	ement settings:	
CCM Url:	https://cert-manager.com/customer/s		Key store name:	ccm_keystore	
Customer URI:	static		Key store password:	•••••	
Secret key:	QAs3~7WCJL		Backups dir:		
Poll interval:	60				
Retry interval:	30	-			
	🕼 Agent autoupdate enable	-			
	Use Proxy				
Host:					
Port:					
Username:					
Password		+			

Agent Configuration - Table of Parameters				
Field	Туре	Description		
Connection Settings				
CCM url	Text field	Displays the URL of CCM server		
Customer URI	Text field	Displays the uniform resource identifier (URI) of the customer		
Secret key	Text field	Displays the secret key unique to the agent, which it uses to identify it to CCM. This value should not be altered		
Poll Interval	Text field	Displays the time interval at which the agent polls the CCM for new certificate requests (in seconds) and enables the administrator to edit it in edit mode.		
Retry interval	Text field	Displays the time interval set for retrying polling on CCM server if polling fails (in seconds) and enables the administrator to edit it in edit mode.		

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Agent autoupdate enable	Checkbox	Indicates whether the agent is enabled for auto-update. The checkbox enables the administrator to switch the auto-update on/off in edit mode.
Use Proxy	Checkbox	Indicates whether the agent is configured to use a proxy server. The checkbox and the text fields below it enable the Administrator to instruct the agent to use proxy server and to specify the proxy server details, if required.
Host	Text field	Displays the IP/Host name of the proxy server and enables the Administrator to specify it in edit mode
Port	Text field	Displays the port of the proxy server for the agent to connect and enables the Administrator to specify it in edit mode
Username	Text field	Displays the username of the administrator account to login to the proxy server and enables the Administrator to specify it in edit mode
Password	Text field	Displays the password of the administrator account to login to the proxy server and enables the Administrator to specify it in edit mode
		Certificate Management Settings
Key store name	Text field	The name of the CCM keystore file, pertaining to the agent. By default, it will be 'ccm_keystore'. The Administrator can edit it in the edit mode
Keystore password	Text field	The password to access the CCM keystore file. The Administrator can edit it in the edit mode
Backup dir	Text field	Displays the folder path for backup of keystore file. The Administrator can edit it in the edit mode.

• To edit the agent configuration settings, click the 'Edit' button at the bottom left. The Agent Configuration page will open in edit mode.

Username: Password		-			
Edit	Change credentials				
COMODO Creating Trust Online	CCM Extra Agent				
🚆 Agent Configuratio	n 📱 Server Management				
Agent Configuration	ngs:		Certificate manage	ement settings:	
CCM Url:	https://cert-manager.com/customer.	Â	Key store name:	ccm_keystore	
Customer URI:	static		Key store password:	••••••	
Secret key:	QAs3~7WCJL		Backups dir:	Enter path to backup Server config	
Poll interval:	60				
Retry interval:	30	=			
	🕼 Agent autoupdate enable	-			
	Use Proxy				
Host:					
Port:					
Username:					
Password	()	-			
Save 🗶	Cancel Change credentials				

• Edit the required fields and click 'Save' for your changes to take effect.

Changing Login Credentials for the Agents Configuration Console

By default, the administrator can use the username and password of their CCM account to login to the agent configuration. If needed, the administrator can change their username and password for the agent configuration console at any time.

To change the username and password

• Click 'Change credentials' from the agent configuration interface.

The 'Change Credentials' dialog will appear.

Port Username Password		•		
Edit	Change credentials	>		
	Change credentials		×	
	Login:	admin		
	Old Password: New password:			
	Password confirm:	•••••		
	Save 🗙	Cancel		

Port Usemame: Password		~	
Edit	Change credentials	>	
	Change credentials	admin	
	Old Password: New password:		
	Password confirm:	Cancel	

- To change your username, directly edit the Login field
- Enter your existing password in the 'Old Password' field
- Enter your new password in the New password field and reenter it for confirmation in the Password Confirmation field
- Click 'Save'

From the next login to the agent configuration console, you need to use the new username and password.

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Server Management

The Server Management tab enables the administrator to view, add and edit the servers for which the agent is configured.

Agent Configuration Server Mar	nagement				
erver Management					
🗞 Refresh 📑 Add	t X Delete				
IAME	VENDOR	STATE	HOST	PORT	
Server IIS Dithers Company	IIS	RUNNING		0	
erver Tom Dithers	TOMCAT	INIT	192.168.111.111	0	

The 'Server Management' tab displays the list of servers added to the agent with the vendor and activation status details. The administrator can add new servers and edit the details like the login username and password for the existing servers through this interface.

Column Display	Description
Name	Displays the name of the server.
Vendor	Displays the vendor of the server.
State	Indicates whether or not the server is initialized.
Host	Displays the IP address or the host name of the server for remote connection
Port	Displays the connection port of the server for remote connection.
Note: The administrator can header:	enable or disable desired columns from the drop-down at the right end of the table

PORT Vendor 0 State Host Port Controls Add Enables the Administrator to add a new server to the agent Refresh Updates the list of displayed servers. Server Controls Edit Enables administrators to modify the Server configuration settings. Note: The Server Delete Removes the Server. control buttons will appear only on selecting a server.

To add a server

• Click 'Add' from the top left. The 'Add new server' dialog will appear.

Refresh	Add	Delete			
E		VENDOR	STATE	HOST	PORT 💽
er IIS Dithers Cor	rpany	lis	RUNNING		0
en rom Dimers ()	a abaixi shi shi shi shekara		o punu o contrata se	192.100.111.111	l 🗸 se se se se se se
	V				
Add new serve	er				
Server name: *	Enter server name				
Conversion dor: *	TOMOAT				
Server veridor.	TOMCAT				
Path:	(*optional* Enter path to torr	ncat			
	Remote				
Host:					
Port					
Fon.	U.				
User name:					
User name:					

Add new server - Table of Parameters					
Field Name	Туре	Description			
Server name	String	Enter the name of the server.			
Server vendor	drop-down	Choose the vendor of the server from the drop-down.			
Path	String	Specify the network path for the Tomcat server. This is required only if the Tomcat server is not accessible from the CCM console.			
		Note : This field will appear only of Tomcat server is selected in the Server vendor drop-down.			
Remote	Checkbox	Specify whether the server is Remote or Local. While adding remote servers for agent-less automatic certificate installation, this checkbox should be selected and the login credentials for an administrative account on the server are to be provided.			
Host	String	Specify the IP address or host name of the server for remote connection. Note: This field will be enabled only if 'Remote' is selected.			
Port	String	Specify the connection port of the server for remote connection. Note: This field will be enabled only for remote 'Tomcat' server.			
User Name	String	Enter the username of the administrator for loggin-into the server. Note : This field will be enabled only if 'Remote' is selected.			
Password	String	Enter the log-in password for the administrator account for logging-into the server. Note: This field will be enabled only if 'Remote' is selected.			

• Enter the parameters and click 'OK'.

The new server will be added and enabled for automatic installation of SSL certificates and to run scans for certificate discovery.

To edit a server

• Select the server and click the 'Edit' button that appears on top.

Refresh 🚽	Add 🛛 🗍 Edit	🗙 Delete			
/IE		VENDOR	STATE	HOST	PORT 💌
ver IIS Dithers Com	pany	IIS	INIT		0
ver Tom Dithers		TOMCAT	INIT	192.168.111.111	0
	1				
Edit server Se	rver Tom Dithers				
Server name: *	Server Tom Dithers				
Server vendor: *	TOMCAT	-			
Conton Fondon.					
Path:	*optional* Enter path to	o tomcat			
	Remote				
Host	192.168.111.111				
11000	0				
Bet	U				
Port:	6				
Port: User name:	username				
Port: User name:	username				

The 'Edit server' dialog will open. The interface is similar to Add new server interface.

• Edit the required fields and click 'OK' for your changes to take effect.

Next Steps:

To discuss the auto-installer further and/or set up a test environment, please contact Comodo.

Email: EnterpriseSolutions@comodo.com

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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