

Sterling Connect:Direct for Microsoft Windows 4.7

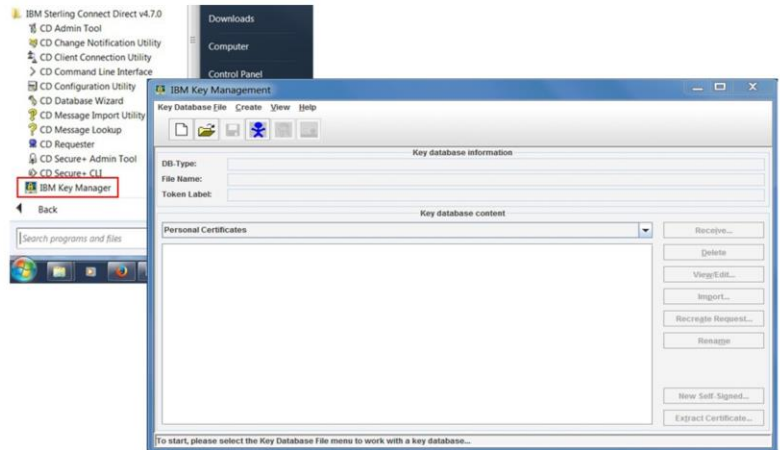
Configuring the IBM CMS Keystore for Secure+ Part one

© 2015 IBM Corporation

This presentation shows you how to configure the IBM CMS keystore for use with Secure plus. It shows you how to create self-signed certificates, and import partner trusted root certificates for Sterling Connect:Direct® for Microsoft® Windows® version 4.7 and later.

Starting the IBM CMS keystore manager

- Click Start > IBM Sterling Connect Direct v4.7.0 > IBM Key Manager to start the IBM Key Manager utility.



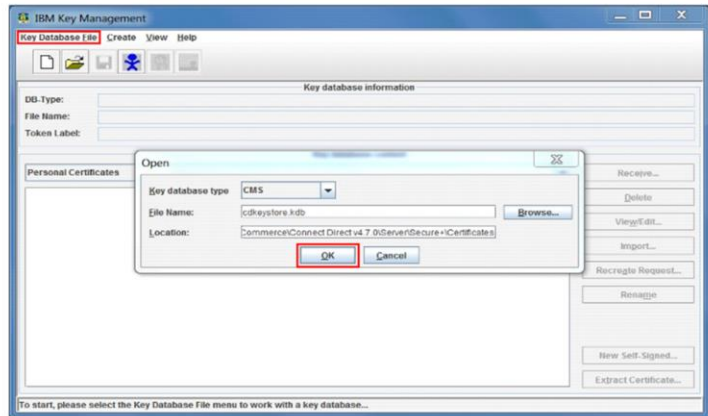
2

© 2015 IBM Corporation

From the IBM Sterling Connect:Direct for Microsoft Windows Program directory, start the IBM key Manager utility.

Opening the keystore

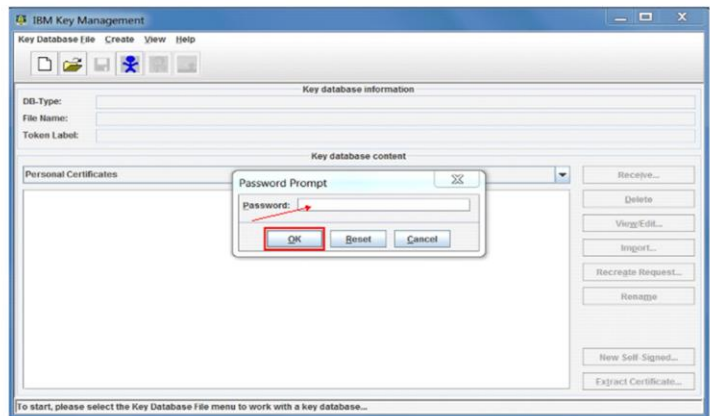
- Select "Key Database File".
- By default the Keystore is created in the Secure+ Certificates directory under the installation folder.



During the installation of Sterling Connect:Direct for Microsoft Windows, you created a directory that contains the IBM CMS keystore. By default, the keystore is created in the secure plus certificates directory, under the installation folder. To open the keystore, select the Key Database file menu option, and browse to the directory.

Keystore passphrase

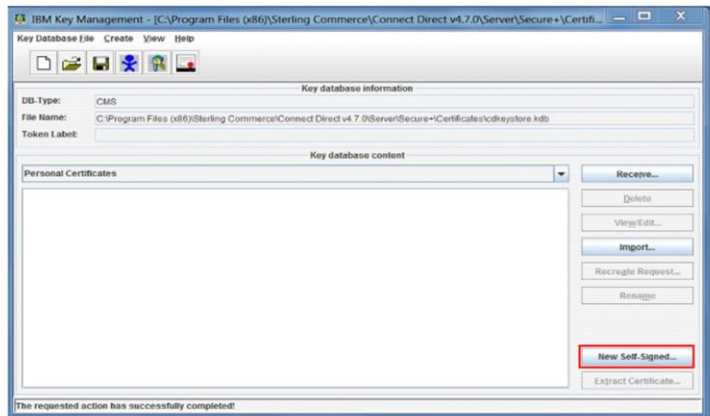
- Enter the Keystore password.
- Click "OK".



You will be prompted to enter the keystore password. You chose the password during the installation of Sterling Connect Direct for Microsoft Windows. Enter the password. Click OK.

Self-signed certificate creation

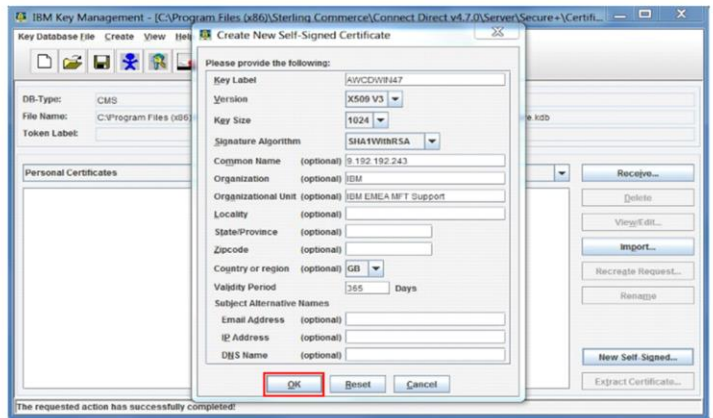
- Click “New Self Signed...”



To create a new self-signed certificate, click the New Self Signed button on the IBM Key Management window.

Certificate details

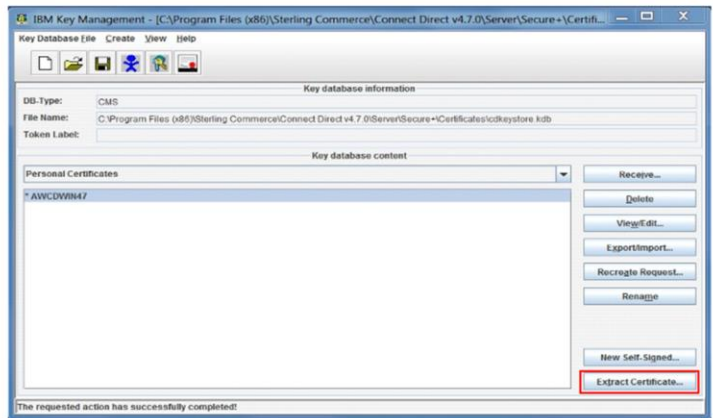
- Enter your certificate details.
- Click “OK”



Enter your certificate details in the “Create New Self-Signed Certificate” window and click OK.

Export certificate

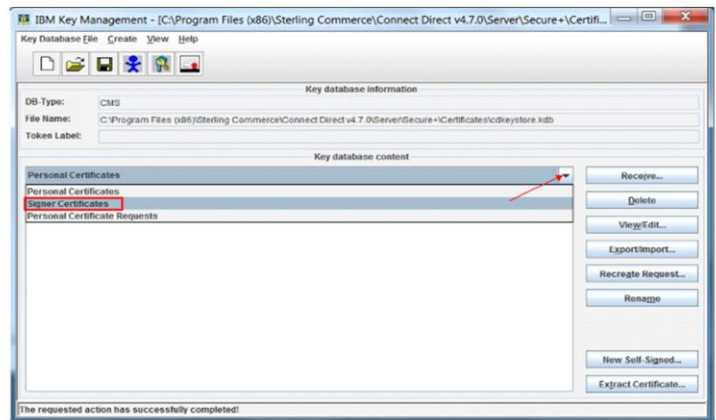
- Select certificate to act as trusted root certificate.
- Click “Extract Certificate”.



To save a copy of the certificate, click the “Extract Certificate” button for sending to your remote partner to act as your trusted root certificate.

Import a trusted root certificate

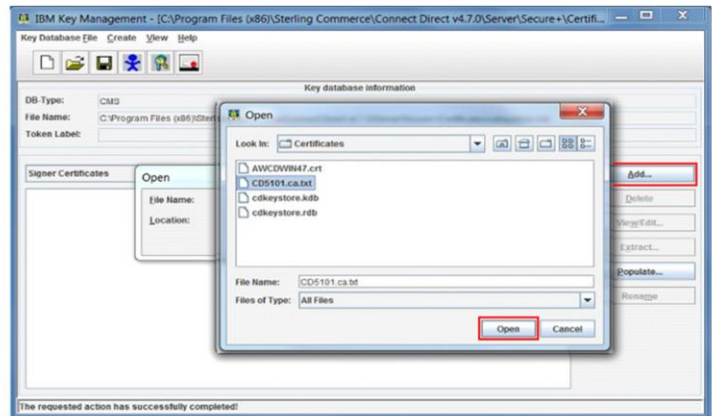
- For each partner, add a trusted root certificate to the keystore.
- Select “Signer Certificates”.



For each partner, you must receive a trusted root certificate. Add the trusted root certificate to the keystore. From the drop-down list under “Key database content”, select “Signer Certificates”.

Import a trusted root certificate II

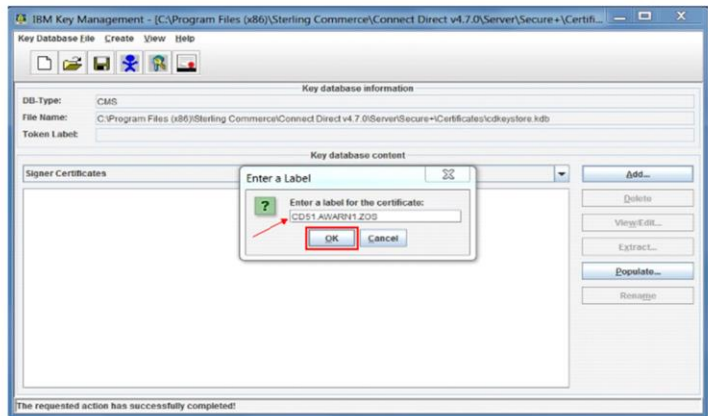
- Select remote partner trusted root certificate.
- Click “Open”.



Click the “Add” button, and browse to the location where the remote partner trusted root certificate is located. Click “Open”.

Import a trusted root certificate III

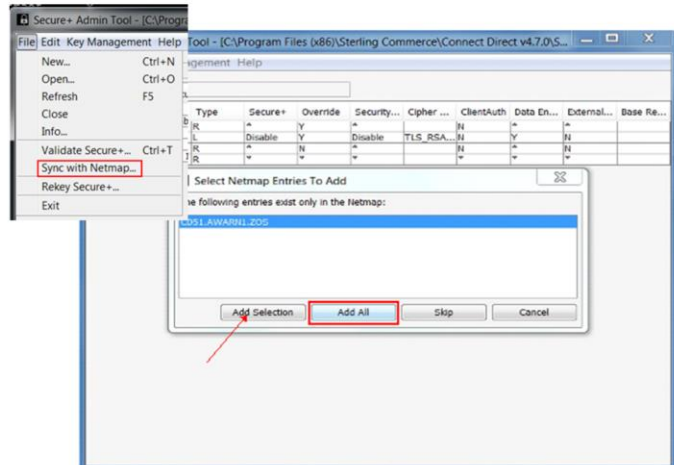
- Enter a name for the trusted root certificate.
- Close the keystore.



Enter a name for the trusted root certificate, and click “OK” to add it to the keystore. You can now close the keystore.

Configuring Secure+

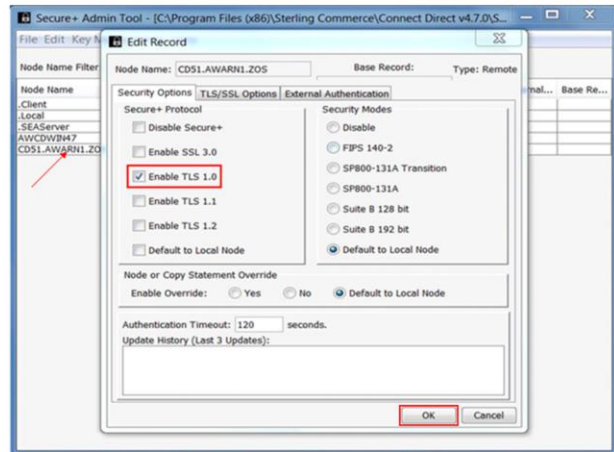
- Open the Sterling Secure+ Admin Tool, click Start > IBM Sterling Connect Direct v4.7.0. > CD Secure+ Admin Tool.
- Sync with Netmap.
- Add nodes to Secure+.



Open the Sterling Secure plus Admin tool, and select File > Sync with Netmap to ensure that all node entries are available. Click “Add All” or select the required node and click “Add Selection” to add a node to the Secure plus configuration.

Configure a Secure+ remote node entry

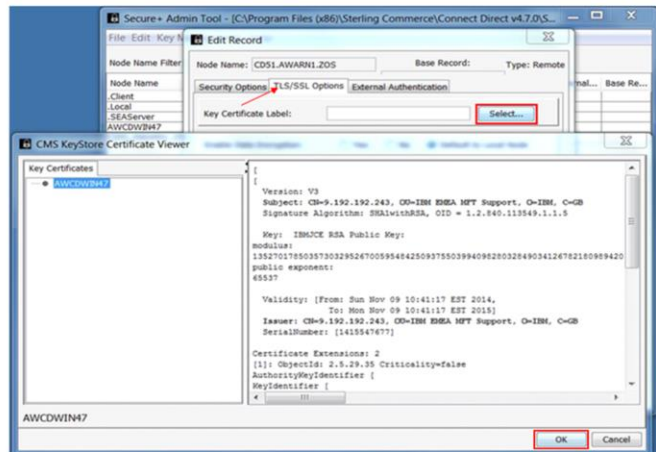
- Open remote node entry.
- Select the Secure+ protocol.
- Click “OK” to continue.



To open the remote node entry, double-click the entry in the Secure plus Admin tool. Then, from the “Security Options” tab, select the Secure plus protocol to be used for this remote partner.

Selecting a key certificate

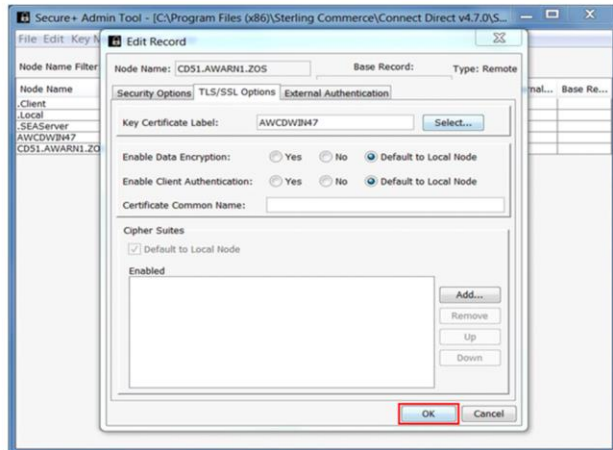
- Select the “TLS/SSL” Options tab.
- Choose the key certificate label.
- Click “OK” to continue.



From the “TLS or SSL Options” tab, click the select button, and choose the key certificate label for the self-signed certificate that you created earlier.

Saving the Secure+ remote node entry

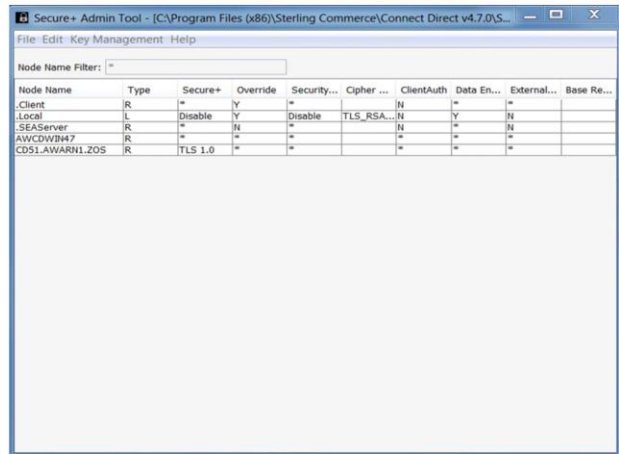
- Update the Secure+ remote node entry.
- Click "OK" to continue.



Click the OK button on the CMS Keystore Certificate Viewer window to update the Secure plus remote node entry.

Completed Secure+ configuration

- Check settings correctly.
- Close the Secure+ Admin Tool.



The screenshot shows the 'Secure+ Admin Tool' window. The title bar indicates the path: [C:\Program Files (x86)\Sterling Commerce\Connect Direct v4.7.0\S...]. The menu bar includes 'File', 'Edit', 'Key Management', and 'Help'. Below the menu is a 'Node Name Filter' field. The main area contains a table with the following data:

Node Name	Type	Secure+	Override	Security...	Cipher ...	ClientAuth	Data En...	External...	Base Re...
.Client	R	=	Y	=		N	=	=	
.Local	L	Disable	Y	Disable	TLS_RSA...	N	Y	N	
.SEAServer	R	=	N	=		N	=	N	
AWCDWM47	R	=	=	=	=	=	=	=	
CDS1.AWARH1.ZOS	R	TLS 1.0	=	=		=	=	=	

Check that you updated the settings correctly. You can now close the Secure plus Admin tool.

Summary

- Configure the IBM CMS Keystore for Secure+.
- Generate Certificate Signing Requests (CSR) for sending to a local or external Certificate Authority (CA) root providers. Exports certificates for importing into other IBM Sterling products is covered in another module, Configuring the IBM CMS Keystore for Secure+ Part two.

In the first part of this presentation, you learned about Configuring the IBM CMS keystore for Secure plus. In part two, you will look at generating Certificate signing requests for sending to local or external CA root providers. You will also learn how to export key certificates for importing into other IBM Sterling products.

Trademarks, disclaimer, and copyright information

IBM, the IBM logo, and [ibm.com](http://www.ibm.com) are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

Microsoft, Windows, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Connect.Direct, is a trademark or registered trademark of IBM International Group B.V., an IBM Company.

Other company, product, or service names may be trademarks or service marks of others.

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2015. All rights reserved.