## **Obtaining RCA and ICA Certificates From a PFX Certificate**

After you complete the process of EFD vendor registration in the Sandbox environment, you will receive a Developer Authentication Certificate (PFX file) for logging into the <u>Developer Portal</u>.

Also, taxpayers operating in the Production environment will use PFX files as additional certificates for issuing invoices.

If you wish to obtain the RCA and ICA certificates which were used to issue a PFX certificate, follow these steps:

1. Open the PFX certificate (check the <u>installation instructions</u> if you need a reminder of where you installed the certificate) and click on the **Details** tab.

Sandbox environment	Production environment
Certificate         General       Details         Certification Path         Show: <a>&gt;</a>	Certificate         Genera       Details         Show: <all>         Field       Value         Version       V3         Serial number       649062b19ddc399000000000         Signature algorithm       sha512RSA         Signature hash algorithm       sha512         Issuer       TIMS ICA1, Ministry of Custom         Valid from       Tuesday, September 15, 2020         Valid to       Friday, September 15, 2023 1</all>
Edit Properties Copy to File	Edit Properties Copy to File.
	 د

Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Details tab of the PFX certificate

NOTE:

All the images in this article display TIMS as the name of the certificate authority. This is used only as an example.

2. Scroll down and click on **Authority Information Access**. The text box below will display the URL for downloading the ICA certificate which signed the PFX certificate.

Sandbox environment	Production environment
Certificate	Certificate
General Details Certification Path	General Details Certification Path
Show: <all></all>	Show: <all></all>
Field       Value         Isolation 1.3.6.1.4.1.49952.5.7.7       68 74 74 70 73 3a 2f 2f 76 73         Subject Key Identifier       b87c0907b6c07a8479c1141dc         Authority Key Identifier       b87c0907b6c07a8479c1141dc         Authority Key Identifier       cell         Authority Key Identifier       cell         Authority Information Access       I]CRL Distribution Point:         Image: Constraints       cell         Image: Constraints       Subject Type=End Enthy, Path         Image: Constraints       Subject Type=End Enthy, Path	Field       Value         Subject Key Identifier       4eba4d921bde10643d402208         Authority Key Identifier       KeyID=517ba579af7c14cc731         CRL Distribution Points       [1]CRL Distribution Point: Distr         Authority Information Access       [1]Authority Info Access: Acc         New Key Usage       Digital Signature, Key Encipher         Basic Constraints       Subject Type=End Entity, Pat         Thumbprint       3678d7bc4cbf30678bcc9ba67         IllAuthority Info Access       Access Method=Certification Authority Issuer (1.3.6.1.5.5.7.48.2)         Alternative Name:       URL=http://pki.tims.revenue.gov.ws/pki/TIMSICA1.cer
Edit Properties Copy to File.	Edit Properties Copy to File
C	0

*Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Authority Information Access of the details tab in the Certificate section* 

3.

Download and install the ICA certificate according to the instructions.

4.

After you download the ICA certificate, you can check its status by opening it and clicking on **Certification Path**. It will be displayed hierarchically under the RCA certificate which signed that ICA certificate.

Sandbox environment	Production environment

Certificate	R Certificate
General Details Certification Path	General Details Certification Path
Certification path	Certification path
Taxcore Online Root CA	
View Certificate	View Certifica
This certificate is OK.	Certificate status:
	This cerdicate is OK.
	1

*Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Certification Path tab of the PFX certificate* 

5. To download that RCA certificate, open the ICA certificate and click on **Details**.

Sandbox environment	Production environment

General Details Certification Pa	ath	General Details Certification Pa	ath
Field Version Serial number Signature algorithm Signature hash algorithm Issuer Valid from Valid to Subject	Value V3 75b30e80c766d11c sha512RSA sha512 Taxcore Online Root CA, Data Sunday, February 2, 2020 1:0 Saturday, February 2, 2030 1 Taxcore Online Sandhov Issui	Show: <all> Field Version Serial number Signature algorithm Signature hash algorithm Valid from Valid to Subject</all>	Value V3 7bcf1d0d8fd9cdcb sha512RSA sha512 TIMS RCA, Ministry of Custom. Friday, January 10, 2020 1:00 Thursday, January 10, 2030 1. TIMS ICA1 Ministry of Custom
	Edit Properties Copy to File		Edit Properties Copy to Fi

Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Details tab of the PFX certificate

6. Again, scroll down and click on **Authority Information Access**. The text box below will display the URL for downloading the RCA certificate which signed this ICA certificate.

Sandbox environment	Production environment

ceruncation Pat	n	General		Ceruncauorri	IFdui
Show: <all></all>	~	Show:	<al></al>		~
Field	Value [1]CRL Distribution Point: Distr [1]Authority Info Access: Acc V0.0 [1]Certificate Policy:Policy Ide SubCA Certificate Signing, Off-line CR Subject Type=CA, Path Lengt eSde3055d20ab0480ad1cff6d	Field	bject Key ithority Ke L Distribu ithority In rtificate P Version rtificate T	Identifier y Identifier tion Points formation Acco olicies	Value 517ba579af7c14cc7316954 KeyID=7f680254cf48b1e67 [1]CRL Distribution Point: Di [1]CRL Distribution Point: Di [1]Certificate Policy:Policy I V0.0 Ne SubCA
		Lie IRa		and a	Simert Tyne=Ca Path Len
[1] Authority Info Access Access Method = Certification A Hernotice Name URL = http://pki.sandbox.ta	uthority Issuer (1.3.6.1.5.5.7.48.2 xcore.online/pki/TORCA.cer	[1]Auti Acci	nority Info ess Metho mative N JRL =http	Access d=Certificatio ame: //pki.tims.rev	ion Authority Issuer (1.3.6.1.5.5.7.

*Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Authority Information Access of the details tab in the Certificate section* 

7.

Use this URL to download and install the RCA certificate according to the instructions.

8.

After you download the RCA certificate, you can check its status by opening it and clicking on **Certification Path**. It will be the only certificate displayed because it is self-signed.

Sandbox environment	Production environment

General Details Certification Path
Certification path
TIMS RCA
View Certif
View Certif
View Certificate status: This certificate is OK.
Certificate status: This certificate is OK.
View Certif Certificate status: This certificate is OK.

*Obtaining RCA and ICA Certificates From A PFX Certificate – Image showing the Certification Path tab of the PFX certificate*