

Download, Install, Export or Import a VeriSign Production Digital Certificate for Market System Access

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DOCUMENT CONTROL

1. DOCUMENT HISTORY

Version	Date	Author	Comment
1.0	14/01/2013	SEMO	
2.0	09/01/2014	SEMO	

2. OBJECTIVE

This document outlines the steps to take to:

- 1) Obtain and install your Verisign Production Digital (Private) Certificate
- 2) Check the location/installation of your cert
- 3) Export your Verisign Production Digital (Private) Certificate

3. OBTAIN AND INSTALL VERISIGN PRODUCTION DIGITAL (PRIVATE) CERTIFICATE

Please note digital cert should not be downloaded via Citrix connections.

- Ensure that you have been issued with your Passcode Information as this is required to download your Verisign Production Digital (Private) Certificate – or simply Digital ID. When you are issued with this information you will be given your Passcode, First Name and Email
- Browse to: <u>https://onsite.verisign.com/services/EirgridAIME/digitalidCenter.htm</u>
- 3) Click the **ENROLL** link to access the following page:

But yeer Yee Frome Yee Use	Microsoft end-user Enrollment - Microsoft Internet Explorer provided by ABB	
Set Inter Jorente version construction with an asteria () are included with in object Enrollment Form	Edit Vew Favorites Tools Help	
Image:	Back • 💭 · 🗶 😰 🎧 🔎 Search 👷 Favorites 🚱 🖾 • 🤤 • 🛄 🐼 🛄 😁	
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Per your Digital ID information If in all required fields. Fields marked with an asterisk (*) are included with ur Digital ID and are viewable in the certificate's details. First Name: * (resumed) Advance or middle india allowed Example. Jack B.) Passcede: (resumed) Advance or media with protects you against nathorized action on your Digital ID. Do not share it with anyone. <i>Do not</i> set /: You with need it wifen you want to revoke or renew your Digital ID. inter Challenge Phrase point use any punctuation protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects. protects.	Enrollment	
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ther your Digital ID information iin all required fields. Fields marked with an asterisk (*) are included with ur Digital ID and are viewable in the certificate's details. iist Name: * (required formane of midde initide allowed isample: Jack B.) asscode: (required) asscode: (required) asscode: a unique phrase that protects you against authorized action on your Digital ID. Do not share it with anyone. Do not ser t. You will need it when you want to revoke or renew your Digital ID. https://protection.on.org/protection.on your Digital ID. https://protection.on.org/protection.on your Digital ID. https://protection.on.org/protection.on your Digital ID. https://protection.on.org/protection.on your Digital ID. parentio o not use ary punctuation		
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First Name: * (required) Babrane: or middle indexed Babrane: or middle indexed Babrane: and the second of t	II in all required fields. Fields marked with an asterisk (*) are included with our Digital ID and are viewable in the certificate's details.	
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Server Challenge Phrase:	hallenge Phrase he Challenge Phrase is a unique phrase that protects you against nauthorized action on your Digital ID. Do not share it with anyone. <i>Do not</i>	
Inter Challenge Phrase: Reserved to not use any punctuation ptional: Enter Comments some cases, your administrator will instruct you to enter <i>Shared Secret</i> formation (nown only to you and the administrator) in this field. The firministrator uses this shared secret to verify that it really is your submitting the violation. This concerned will use your Divisit ID.	se it. You will need it when you want to revoke or renew your Digital ID.	
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ANALY FOR SAULTING THE FACTOR AND	formation (known only to you and the administrator) in this field. The imministrator uses this shared secret to verify that it really is your submitting the elication. This comment will not be included in your Diotal ID.	

- 4) Complete the *First Name (e.g. MAIN_USER@PT_xxxxx)* and *Passcode* fields (using the information received via email)
- 5) Choose a suitable value to complete the *Enter Challenge Phrase* field *please* make a note of this as it will be required should you need to re-download the certificate.
- 6) Click the green **Submit** button when all 3 fields have been populated.
- 7) When issued with the following prompt click **Yes**.

Potenti	al Scripting Violation 🛛 🕅 🕅
1	This Web site is requesting a new certificate on your behalf. You should allow only trusted Web sites to request a certificate for you. Do you want to request a certificate now?
	<u>Y</u> es <u>№</u>

8) When issued with the following prompt click **OK**

Creating a ne	w RSA exchange key 🛛 🔀
	An application is creating a Protected item.
	CryptoAPI Private Key
	Security level set to Medium Set <u>S</u> ecurity Level

9) When issued with the following prompt please click **Yes**

Potentia	al Scripting Violation
1	This Web site is adding one or more certificates to this computer. Allowing an untrusted Web site to update your certificates is a security risk. The Web site could install certificates you do not trust, which could allow programs that you do not trust to run on this computer and gain access to your data.
	Do you want this program to add the certificates now? Click Yes if you trust this Web site. Otherwise, click No.
	<u>Y</u> es

10) You will receive a success message as below – Your digital cert is now installed.

Congratula	tions! een successfully generated and installed.	
'nur Digital ID Informa	ation.	
Email Address = day Common Name = DEI Organization = AIME	d.anglisn@eirgrid.trm vCLISH@A}IFSEM	
Scrial Number =		
Consult our Holp De 1. Go to the <u>Help</u> 2. Go to the <u>Ligna</u>	sk and Tutorials: <u>Jesk</u> to view our hutorials and other useful information <u>D Center to find our more about Digital IDs and Di</u>	a. Igital ID: services.
orongi i 6 1986-2004, VenSir	n. hix All interested.	VeriSign

4. CHECK THE LOCATION/INSTALLATION OF YOUR NEW CERT

To check that your new Digital ID is installed in your browser as follows:

- 1) Open Internet Explorer
- 2) Click Tools > Internet Options > Content > Certificates
- 3) Click **Personal** tab you should see an entry as below

Certificates				? ×
Intended purpose: <	.ll>			~
Personal Other People	Intermediate Certification Av	uthorities Tru:	sted Root Certificatior	< >
Issued To	Issued By	Expiratio	Friendly Name	~
AIPMOR@AIPSEM	EM-DVAW01 EM-DVAW01	25/05/2008 25/05/2008	<none> <none></none></none>	
AIPMOW@AIPSEM	EM-ITAW01	02/04/2008	<none></none>	
AIPMOW@AIPSEM	EM-PRAW01	29/05/2008	<none></none>	
E DENGLISH@AIPSEM	AIME - contractual joi	13/08/2008	<none></none>	
EDILA216	Post.Trust Operation	07/05/2007	<none></none>	
IA_NIMOYLE01@IA	EM-ITAW01	02/04/2008	<none></none>	
IA_RIHOYLE_1@IA.	EM-ITAW01	02/04/2008	<none></none>	
ma_test1	AIME - TEST contract	28/06/2008	<none></none>	~
Import Export Certificate intended purport Client Authentication	<u>R</u> emove		Advanc	:ed
			<u>V</u> iew	se

- 4) Check that the **Issued By** field reads: AIME contractual joint venture between Eirgrid and SONI.
- 5) The **Expiration Date** field should read the current date plus 1 year.
- 6) Click on the **Intermediate Certification Authorities** tab and confirm the list has been updated as follows: xxx

5. EXPORT VERISIGN PRODUCTION DIGITAL (PRIVATE) CERTIFICATE

This process is to be followed should you want to use your digital cert on a different computer, or if you wish to 'Sign Data' in the Market Participant Interface.

- 1) Open Internet Explorer
- 2) Click on Tools, Internet Options
- 3) Click on the tab **Content**
- 4) Click on the button Certificates
- 5) Click Personal tab
- 6) Select your digital cert and click the **Export** button

Certificate	95						?	×
I <u>n</u> tended p	urpose:	<all></all>						*
Personal	Other Peop	le In	termediate Certification Au	thorities	Trusted Root	Certification	4	>
Issued	То		Issued By	Expiratio	o Friendly	Name	^	
	MOR@AIPSE	M M	EM-DVAW01 EM-DVAW01	25/05/20	JU8 <none> 108 <none></none></none>	·	=	
AIP	MOW@AIPSE	EM	EM-ITAW01	02/04/20)08 <none></none>	, ,		
AIP	MOW@AIPSE	EM	EM-PRAW01	29/05/20	008 <none></none>	•		
🕮 DEN	GLISH@AIP:	5EM	AIME - contractual joi	13/08/20	008 <none></none>	•		
EDII	A216		Post.Trust Operation	07/05/20	007 <none></none>	•		
I_AI	VIMOYLE01@	DIA	EM-ITAW01	02/04/20	008 <none></none>	•		
IA_F	RIHOYLE_1@)IA	EM-ITAW01	02/04/20)08 <none></none>	•		
🔤 ma_	test1		AIME - TEST contract	28/06/20	008 <none></none>	•	¥	
Import	. Exp	ort urpose	<u>R</u> emove			Advanc	ed.	
Client Aut	hentication					<u>V</u> iew]
						<u>_</u> lo:	se	

7) Click the Next button from the following screen



8) Click the following option and click **Next**

Certificate Export Wizard
Export Private Key You can choose to export the private key with the certificate.
Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.
Do you want to export the private key with the certificate?
Yes, export the private key
○ No, do not export the private key
< <u>B</u> ack <u>N</u> ext > Cancel

9) Ensure that you select the following options and click ${\bf Next}$

С	ertificate Export Wizard	×
	Export File Format Certificates can be exported in a variety of file formats.	
	Select the format you want to use:	
	O <u>D</u> ER encoded binary X.509 (.CER)	
	◯ Bage-64 encoded X.509 (.CER)	
	Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)	
	Include all certificates in the certification path if possible	
	ersonal Information Exchange - PKCS #12 (.PFX)	
	Include all certificates in the certification path if possible	
	Enable strong protection (requires IE 5.0, NT 4.0 SP4 or above)	
	Delete the private key if the export is successful	
-	< <u>B</u> ack <u>N</u> ext > Cancel	

10) Specify a password as below and then click the Next button

NOTE – You will need to remember this password for use in the MPI

Certificate Export Wizard
Password To maintain security, you must protect the private key by using a password.
Type and confirm a password.
Password:
Confirm password:
1 *****
< <u>Back</u> Next > Cancel

11) Please specify the File Name as below

To avoid confusion this File Name should match the "Issued To" field of the Digital Certificate e.g. DENGLISH@AIPSEM or JBLOGGS@PT_xxxxxx

ertif	cate Export Wizard
File	to Export Specify the name of the file you want to export
	Eile name:
	Browse
	<pre> < Back Cancel</pre>

- 12) Click **Browse** and save the digital cert to your Personal drive or to a USB stick click **Next**
- 13) Click the **Finish** button to complete the export

6. IMPORT VERISIGN PRODUCTION DIGITAL (PRIVATE) CERTIFICATE

Follow the process below to import a certificate into your internet browser (Alternatively you can double click on the certificate saved on your local drive and follow the instructions from step 7 onwards):

- 1) Open Internet Explorer
- 2) Click on Tools, Internet Options
- 3) Click on the tab **Content**
- 4) Click on the button **Certificates**
- 5) Click **Personal** tab
- 6) Click Import

Certificate	es				?
Intended p	urpose: <a>A	>			*
Personal	Other People	Intermediate Certification Au	uthorities Tru:	sted Root Certificati	or 🔸
Issued	i To	Issued By	Expiratio	Friendly Name	
Import.,	<u>E</u> xport.	. <u>R</u> emove		Adva	nced
Certificat	e intended purpo	ses			
				View	v
					ose

7) Click the **Next** button from the following screen

Certificate Import Wizard		<
	Welcome to the Certificate Import Wizard This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. To continue, click Next.	
	< Back Next > Cancel]

8) Click Browse and navigate to the copy of your certificate on your local drive

Certificate Import Wizard	×
File to Import Specify the file you want to import.	
File name:	
Browse	
Note: More than one certificate can be stored in a single file in the following formats: Personal Information Exchange- PKCS #12 (.PFX,.P12) Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B) Microsoft Serialized Certificate Store (.SST)	
< Back Next > Cancel	

Note, change the Files of Type selection to All Files (*.*)

Open						? 🗙
Look in:	🞯 Desktop		*	G 🕸 🖻	••	
My Recent Documents Desktop My Documents	My Documents My Computer KillPolicy Audio Files Audio Files Audio Z013 SMP Checks VOICE					
My Computer						
	File name:			~		Open
My Network	Files of type:	X.509 Certificate (*.cer;*.crt)		~		Cancel

lext

Certificate Import Wizard	×
File to Import Specify the file you want to import.	
File name: D:\Documents and Settings\Plunkett_\Desktop\Test.pfx Browse	
Note: More than one certificate can be stored in a single file in the following formats: Personal Information Exchange- PKCS #12 (.PFX,.P12)	
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B) Microsoft Serialized Certificate Store (.SST)	
<pre></pre>	

9) Enter the password you specified when exporting the copy of the certificate
10)Click 'Mark this key as exportable...'
11)Click Next

Certificate Import Wizard
Password To maintain security, the private key was protected with a password.
Type the password for the private key.
Password:

Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.
Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
< Back Next > Cancel

12) Click 'Automatically select the certificate store based on the type of certificate' and click the **Next** button

Certificate Import Wizard	
Certificate Store Certificate stores are system areas where certificates are kept.	
Windows can automatically select a certificate store, or you can specify a location for	
Automatically select the certificate store based on the type of certificate	
<u>Place all certificates in the following store</u>	
Certificate store:	
Personal Browse	
< Back Next > Can	:el

14) Click Finish

Certificate Import Wizard				
	Completing the Certificate Import Wizard You have successfully completed the Certificate Import wizard.			
	Certificate Store Selected Content File Name	Automatically determined by t PFX D:\Documents and Settings\P		
< Back Finish Cancel				

- 15) Close & Reopen a new Internet Explorer session16) Navigate to the MPI ..

APPENDIX 1. DOWNLOAD CERTIFICATE USING IE11

IE8 is the only browser certified for use with the Central Market Systems. SEMO are unable to provide support or assistance if you are using a browser other than IE8. If you experience issues having downloaded a certificate in a browser other than IE8, please contact the market helpdesk and the certificate can be revoked and a passcode re-issued for the certificate to be downloaded in IE8.

In the event that you need to use IE11 to download a digital certificate, please follow these steps. Please note that SEMO are unable to provide support or assistance if you are using a browser other than IE8 – **The following steps are for informational purposes only.**

1. Load the digital certificate website by clicking on the link supplied by the Market Helpdesk



2. Click on the Tools icon and select Compatibility View Settings.

3. Add the Verisign.com site to the Compatibility View Settings



4. Refresh the webpage and follow the instructions provided to download your digital certificate.