

O que ocorre?

Instalar certificado digital modelo A1 para emissão de documentos eletrônicos.

O que fazer para resolver?

Instalação no servidor

Onde e como fazer para resolver?

### 1. Instalação certificado digital

a) No menu iniciar do Windows Server2003/2008 acesse opção executar, digiteMMC e pressione ENTER.

Na console que se abrirá, clique em clique em FILE -Add/Remove Snap-in.

搹 c	onsole1 - [Console	Root]						_ 8 ×
-	File Action View	Favorites W	/indow Help					_ 8 ×
	New	Ctrl+N						
	Open	Ctrl+O	Name				Actions	
	Save	Ctrl+S	Name				Actions	
	Save As				There are no items to show in this view.		Lonsole Root	-
	Add/Remove Snap-	in Ctrl+M					More Actions	•
	Options							
	1 ServerManager							
	2 comprigmt							
	Exit							
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l Enab	es you to add spap-in	is to or remove t	) hern from the span-in concole				1	
Criab		is to or remove t				]		
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b) Selecione a opção Certificates e clique no botão Add. Escolha computer account e clique em Next.

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🚘 File Action View Favorites V	Window Help	_ <u>_</u>
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Console Root	Name	Actions
	There are no items to show in this view.	Console Root
		More Actions
	Add or Remove Snap-ins	
	You can select snap-ins for this console from those available on your computer and configure the selected set of snap-ins. For	
	extensible snap-ins, you can configure which extensions are enabled.	
	Available snap-ins: Selected snap-ins:	
	Snap-in Vendor Console Root Edit Extensions	
	Autorication Manager Microsoft Cor	
	Certificates Microsoft Cor	
	Component Services Microsoft Corr.	
	Device Manager Microsoft Cor	
	Add >	
	Event Viewer Microsoft Cor      Folder Microsoft Cor	
	Group Policy Object Microsoft Cor	
	Certificates snap-in	×
	P service Information      B P service Monitor Microsoft Cor      This enable will always manage certificates for	
	IP Security Policy Ma Microsoft Cor      C Muser account	
	Description: C Service account	
	The Certificates snap-in allows you to browse the contents of the certificate stores Computer account	
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l	J	
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### c) Escolha local computer e clique em finish.

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🚡 File Action View Favorites '	Window Help		
P 🖤   💽 🖙   🖬 📧	Name		Actions
		There are no items to show in this view.	Console Root
		dor Remove Snap-ins       Image: Standard St	Console Root More Actions
Start 🛛 🔍 📰 👘 🖓 N	licrosoft NET Framewo	Console 1 - FConsole P	



### d) Clique em OK.





e) Agora é necessário expandir a opção Certificates -> Personal. de um clique em Certificates e no lado direitodo snap-in, clique com o botão direito do mouse, escolha a opção All tasks e depois clique em imports.





( Blad

### f) Clique em Next.

Certificate Import Wizard		र	_			_			
		-							
<	Welcome to the Certificate Import								
	Wizard		Expiration Date	Intended Purposes	Friendly Name	Status	Certificate Tem	Actions	
	This wizard beins you convicertificates i certificate trust	ST-A01	04/12/2020	Server Authentication	<none></none>		, ,	Certificates	•
	lists, and certificate revocation lists from your disk to a certificate store.							More Actions	•
~	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								
		_							
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🐉 Start 🛛 🚠 📰 👘 🗍	Console1 - [Console R							-	, 🔤 🖕

g) Clique no botão Browse, localize o arquivo com a extensão .pfx e clique em open.

Console1 - [Console Root\Certificates (Local Computer)\Personal\Certificates]	1					_ 8 ×
Lertificate Import Wizard		🛱 Open			×	_ 8 ×
File to Import						
Specify the file you want to import.			ocuments	👻 🔛 Search	Le	
	ST-A01	🕒 Organize 👻 🗐 Views	▼ New Folder		Pater	
File name:			Nome +	- Date medified		-
Provise		Favorite Links	name -	20/03/2010 00:50 Personal Inform	• Size • Tagbre Actions	•
Diowsen		🧮 Desktop	and the second			
Note: More than one certificate can be stored in a single file in the following formats:		👰 Computer				
Deveenal Information Evolution at DKCC #12 ( DEV. D12)		Documents				
resolution and in exchange in resolution and in the second second		E Pictures				
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)		Music				
Microsoft Serialized Certificate Store (.SST)		Recently Changed				
		P Searches				
		i Public				
Learn more about certificate file formats						
		Folders ^	•			
< Back Next > Cancel		File nom	or lassificada	Remonal Is	formation Euchans	
		r lie hain	e. [centilicado			
				Open	Cancel	
Personal store contains 1 certificate.						
🎦 Start 📗 🔜 👘 🔚 🔚 🔚 👘 Console 1 - [Console R						ilo 💷 🌘



#### \_ 8 × Certificate Import Wi × \_ 8 × To maintain security, the private key was protected with a password. Expiration Date Intended Purposes Friendly Name 04/12/2020 Server Authentication <None> Status Certificate Tem... Actions T-A01 Certificates Type the password for the private key. More Actions 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. ☑ Include all extended properties. Learn more about protecting private keys < Back Next > Cancel 4 Personal store contains 1 certificate 🛛 🚟 Console1 - [Console R... 鸄 Start 🛛 🚠 💻

### h) Digite a senha para utilização do arquivo .pfx e clique em Next.

### i) Next novamente.

Console1 - [Console Root\Certificates (Local Computer)\Personal\Certificates]								_ 8 ×
Certificate Import Wizard	×							_ 8 ×
Certificate Store								
Certificate stores are system areas where certificates are kept.		Distance Bate	[	Enter distance	Chattan .	Call Carlo Tan		
R	ST-401	04/12/2020	Server Authentication	<pre>/ Friendly Name </pre>	Status	Certificate Tem	Actions	
	51 101	01/12/2020	Server Hadronecadori	446107			Certificates	•
Windows can automatically select a certificate store, or you can specify a location for the certificate.							More Actions	+
C Automatically select the certificate store based on the type of certificate								
Place all certificates in the following store								
Certificate store:								
Personal Browse								
Learn more about <u>certificate stores</u> < Back       Next >       Cancel               Personal store contains 1 certificate.								
Personal store contains 1 certificate.								
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### j) Clique em finish.

Console1 - [Console Root\Cer	<u>tificates fl ocal Computer)\Personal\Certifical</u>	tes]						_ 8 ×
Certificate Import Wizard		×						_ 8 ×
	Completing the Certificate Im	nort						
	Wizard		Evaluation Date	[ Televiside d Dimension	Coloradha Marsa	Chabura Constituente Terr	Antinen	
		ST-401	04/12/2020	Server Authentication	<pre>/ Friendly Name</pre>	Status   Certificate Tem	Actions	
	The certificate will be imported after you click Finish	).	01/12/2020	Server Hadrichideadorr			Certificates	•
							More Actions	•
	You have specified the following settings:							
	Certificate Store Selected by User Personal							
	Content PFX							
	File Name C:\Users\kbs\	Docume						
	•	Þ						
	, · · · · · · · · · · · · · · · · · · ·							
	< Back Finish	Cancel						
Personal store contains 1 certificato								
					1			
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k) Realize os mesmos procedimentos para conta de usuário local.



Sugestão: Na console do certificado vá até a propriedades do certificado instalado e dê um nome amigável para o mesmo, facilitando assim a identificação do certificado instalado.

OBS: Caso o serviço do sistema da NDDigital esteja rodando com um usuário específico, o certificado digital deverá ser instalado na conta deste usuário também.

? ×							
General Cross-Certificates OCSP							
Eriendly name:							
Description:							
- Cartificata purpagas							
Enable all purposes							
Disable all purposes for this certificate							
C Enable only the following purposes							
Note: You may only edit certificate purposes that are allowed by							
the certification path.							
Server Authentication							
Add <u>P</u> urpose							
Leave more about cartificate properties							
Learn more about <u>Certificate properties</u>							
OK Cancel Apply							