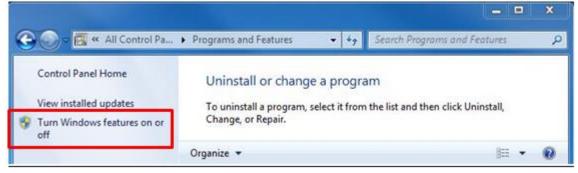


MedITEX instructions for clinical IT administrators: MedITEX WebPortal Installation with Secure SSL Connection (using HTTPS protocol)

- 1. Right-click on the ZIP-file with WebPortal installation, choose "*Extract All*", and save everything in a folder named "*WebPortal*".
- 2. Activate **IIS (Internet Information Services)** on the WebPortal computer, if necessary: Click on "Control Panel -> Programs and Features -> Turn Windows features on or off"

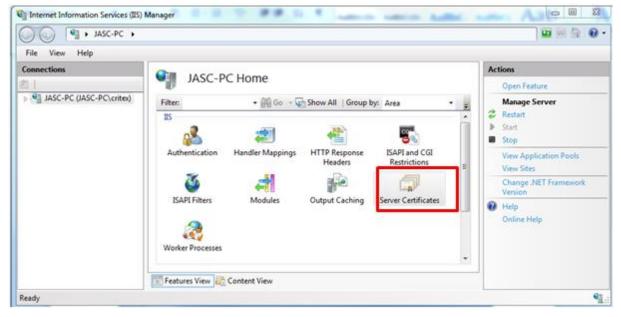


Following extensions need to be activated:

Windows Features		×
Turn Windows features on or off		
To turn a feature on, select its check box. To turn a feat check box. A filled box means that only part of the featu		
🕀 🗐 🍌 Games		
Indexing Service		Π
🔽 🍌 Internet Explorer 10		
😑 🔳 🎂 Internet Information Services		
FTP Server		
🖃 🔳 📕 Web Management Tools		
🕀 🔳 📕 IIS 6 Management Compatibility		=
IS Management Console		
IS Management Scripts and Tools		
🔽 🍶 IIS Management Service		
🖃 🔳 📕 World Wide Web Services		
Application Development Features		
.NET Extensibility		
ASP 📗		
ASP.NET		
CGI		
ISAPI Extensions		
ISAPI Filters		
Server-Side Includes		
Common HTTP Features		
[] Health and Diagnostics [] Performance Features		
Performance Features		-



- 3. How to order and install an SSL certificate?
 - 3.1 Request a SSL certificate directly from *IIS Manager*
 - a. Open your IIS Manager and choose "Server Certificates".



b. Click on "Create Certificate Request ... "

Internet Information Services (IIS)	Manager					
File View Help						
Connections	O ¹⁰ Com Co			Actions		
名	Server Ce	rtificates		Import		
JASC-PC (JASC-PC\critex)	Use this feature to reque	Create Certificate Request				
Application Pools	sites configured for SSL.	5000 ACC-0000000		Complete Certificate Request.		
o w sites	Name	Issued To	Issued By	Create Domain Certificate-		
				Create Self-Signed Certificate.		

c. Specify the required information and click "Next".

equest Certificate					l	9	23
Distinguishe	d Name Prope	erties					
Specify the required inforr official names and they ca	nation for the cer Innot contain abb	tificate. State/provinc reviations.	e and City/loc	ality must be specif	ied as		
Common name:					1		
Organization:					i i		
Organizational unit:							
City/locality							
State/province:							
Country/region:	DE		,	•	1		
		Previous	Next	Finish	Ci	ancel	



d. Select a cryptographic service and a bit length and click "Next".

quest Certificate		and the second sec		9	Σ
Cryptographic Service Provider	Properties				
Select a cryptographic service provider and a bit leng certificate's encryption strength. The greater the bit length may decrease performance.					
Cryptographic service provider: Microsoft RSA SChannel Cryptographic Provider		_			
Bit length: 2048 -					
	Previous	Next	Finish	ancel	

e. Specify the file name for the certificate request and choose a folder where the .TXT file, which will be created after clicking *"Finish"*, should be saved.

quest Certificate			8
File Name			
Specify the file name for the certificate request. T signing.	This information can	be sent to a certificati	on authority for
Specify a file name for the certificate request:			
	Previous	Next	inish Cancel

3.2 Send a request for SSL certificate

Send the .TXT file containing the CSR code to your certificate provider.

3.3 Complete the certificate request

a. After you have received your certificate, install it on the server: right-click on it and choose "*Install*" from the context-menu.



b. Open the IIS Manager and choose "Server Certificates"

) () 📲 🕨 JASC-PC 🕨						
File View Help						
onnections		DCHama			Ac	tions
	JASC	-PC Home				Open Feature
IASC-PC (JASC-PC)(critex)	Filter: IIS	• 🔐 co - G	Show All Group b			Manage Server Restart Start Stop
	Authenticatio	n Handler Mappings	HTTP Response Headers	ISAPI and CGI Restrictions		View Application Pools View Sites Change .NET Framework
	ISAPI Filters	Modules	Output Caching	Server Certificates	0	Version Help Online Help
	Worker Process	es			-	

c. Click on "Complete Certificate Request..."

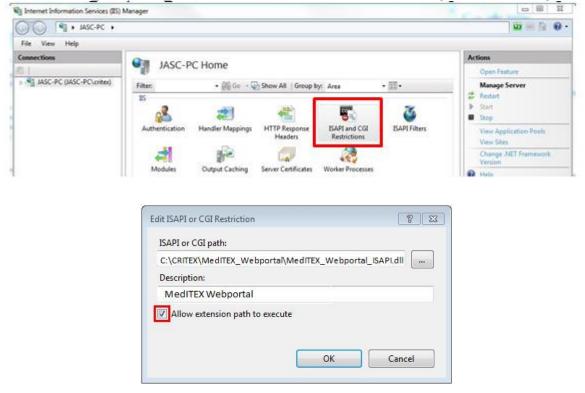
🛐 Internet Information Services (IIS) Manager						
G S IASC-PC >				🖬 🔤 🔂 I 🛛 •		
File View Help						
Connections	Server Certif		he Web server can use with Web	Actions Import Create Certificate Request Complete Certificate Request		
p-w sites	Name	Issued To	Issued By	Create Domain Certificate Create Self-Signed Certificate Help Online Help		

d. Fill in the requested information and click on "OK"

mplete Certificate Request	<u>ବ</u> ଅ
Specify Certificate Authority Response	
Complete a previously created certificate request by retrieving the file response.	e that contains the certificate authority's
File name containing the certification authority's response:	
Friendly name:	
	OK



- 4. Copy "MedITEX_Webportal_ISAPI.dll" into the WebPortal folder.
- 5. Permit the "MedITEX_Webportal_ISAPI.dll" to run under ISAPI- and CGI- Settings in the IIS manager.



6. Create a new application pool and a new application in the IIS-manager:

To see additional help on this topic, please visit this website: <u>http://www.unigui.com/doc/online_help/index.html?isapi_module.htm</u> In your IIS, create a new application pool "*MedITEX WebPortal*" and a new application "*webportal*" for that pool.

7. You can choose if you want to install the web site as -

<u>Method a)</u> an application under default web site (right-click on "Default Web Site -> Add application"). It can be opened with "URL/WebPortal_Name":

Manager					
ites 🕨					🖬 🗟 🔂 🔞
Citor				Ac	tions
Sites				9	Add Web Site
Filter	- 89	Go 👒 🕁 Show A		_	Set Web Site Defaults
Name	ID	Status	Binding		Help Online Help
😌 Default Web Site	1	Started (ht	*:80 (http)		Online Help
	Sites Filter Name	Sites	Sites Filter: Name ID Status	Sites Filter: Name ID Status Binding	Sites Filter: ID Status Binding



<u>Method b</u>) a new separate Web Site (right-click on "Sites -> Add Web Site"):

🛐 Internet Information Services (IIS) Manager							
③ ③ → JASC-PC → Sites →							
File View Help							
Connections	Cites				Ac	tions	
21	Sites				6	Add Web Site	
JASC-PC (JASC-PC\critex)	JASC-PC (JASC-PC\critex) Filter:					Set Web Site Defaults	
Application Pools	Name	ID	Status	Binding	0	Help	
Default Web Site		1	Started (ht	*:80 (http)		Online Help	
> 😜 webportal	Swebportal	2	Started (ht	*:81 (http)			

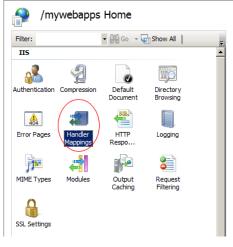
Method a) describes an application under default web site. It is possible to create several applications. All of them have the same port and can be assigned with only one certificate. Method b) describes a separate web site. Every separate web site has its own port and an assigned certificate.

8. Assigning the Application Pool:

In Advance Settings screen set the *Application Pool* to one you created in first step.

Ξ	(General)		
	Application Pool		
	Physical Path	D:\webapps	
	Physical Path Credentials		
	Physical Path Credentials Logon Type	ClearText	
	Virtual Path	/mywebapps	
-	Behavior		
	Enabled Protocols	http	

Next step is to adjust the handler mapping for the application you just created.





In Handler Mappings screen right-click on "ISAPI-dll" and select "Edit Feature Permissions".

🗿 Handler Mapp	ings	
Use this feature to specify the re code, that handle responses for		
Group by: State	-	
Name 🔺	Path	State
Disabled		
ISAPI-dll	*.dll	Disabled
Enabled		
OPTIONSVerbHandler	*	Enabled
TRACEVerbHandler	*	Enabled
StaticFile	*	Enabled
•	1	Þ
<u> </u>		

Check the "Execute" option and press "OK".

Edit Feature Permissions	?×
Permissions:	
Read	
Script	
Execute	
OK Cance	2

9. Create Bindings and assign the port and the certificate:

Method a):

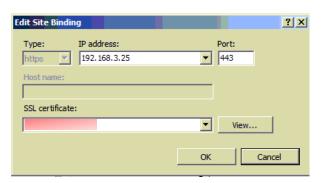
Open the IIS manager, click on "Sites -> Default Web Site" and choose "Bindings..."

Internet Information Services (IIS)							83	
G 💿 🕒 🖌 JASC-PC 🔸 S	ites 🔸 Default Web Sit	te 🕨				🛄 🔟 🛅 🛛	9	
File View Help								
Connections						Actions		
2	Defaul	t Web Site Hon	ne			Steplore	ŀ	
JASC-PC (JASC-PC\critex)	Filter	- (11) Go	Show All Group by	Area		Edit Permissions		
- 2 Application Pools	IIS	00	and a second sec		F	Edit Site		
Sites			100		m l	Bindings		
	A	4	1	e		Basic Settings		
	Authentication	Handler Mappings	HTTP Response	ISAPI Filters		View Applications		
			Headers			View Virtual Directories		
			~		-		-	

Choose the type "https" and click on "Edit..."



Choose your SSL certificate and change the port to 443 (standard port number), then click on "OK".



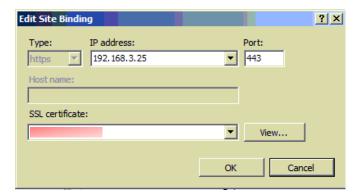
Method b):

Open the IIS manager, click on "Sites", choose your created web site and click on "Bindings..."

11 Internet Information Services (IIS)	Manager				1 0 1
G S ASC-PC → S	ites 🕨 webportal 🕨				🖬 🗟 🔞 🖬
File View Help					
Connections	webportal Home		A	ctions	
2	eep webp	ortal Home			Explore
JASC-PC (JASC-PC\critex)	Filter:	- 🏭 Go - 🗸	Show All		Edit Permissions
- D Application Pools	IIS				Edit Site
Default Web Site			NE		Bindings
> 😜 webportal	A	2	1 No. 1		Basic Settings
	Authentication	Handler Mappings	HTTP Response		View Applications
			Headers		View Virtual Directories

Choose the type "https" and click on "Edit..."

Choose your SSL certificate and a port number (standard port number: 443), then click on "OK"

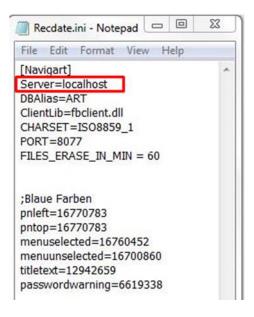




10. Right-click on "Recdate.ini" (in the WebPortal folder) -> Edit.

> Change "*localhost*" to the Firebird database location of MedITEX IVF:

Use the file *"Recdate.ini"* located in the *MedITEX IVF* folder for comparison. If MedITEX WebPortal is not located on the same server as all other tools, change *"localhost"* from the WebPortal *"Recdate.ini"* file to the same server-id in the *"Recdate.ini"* file from the *IVF* folder. Be sure that the *"DBAlias"* are the same in both *"Recdate.ini"* files.



Copy "RecDate.ini" and "fbclient.dll" into the folder where your IIS manager is saved.

The folder is usually C:\Windows\SysWOW64\inetsrv.

If "fbclient.dll" is not located in the Webportal folder, copy it from the MedITEX IVF folder.

	STEAD MONITORING			 4₇ instance
Organisieren 👻 🔣	Öffnen 👻 Drucken Neuer Ordner			
🔆 Favoriten	Name	Anderungsdatum	Тур	Größe
E Desktop Downloads	Microsoft.Web.Management.dll	20.11.2010 13:36	Anwendungserwe	1.024 KB
	🔊 modrqfit.dll	14.07.2009 03:15	Anwendungserwe	39 KB
	🗟 nativerd.dll	01.06.2012 06:38	Anwendungserwe	356 KB
	in protsup.dll	14.07.2009-03:16	Anwendungserwe	20 K8
Bibliotheken Bilder Dokumente Musik	0 Recdate.INI	05.08.2013 12:52	Konfigurationsein	1.KB
	S rsca.dll	01.06.2012.06:39	Anwendungserwe	26 KB
	scaed.dll	01.06.2012 06:39	Anwendungserwe	49 KB
	static.dll	20.11.2010 13:21	Anwendungserwe	37 KB

11.Check

Now it is possible to open the WebPortal with the corresponding link: <u>Method a)</u> URL: <u>HTTPS://server/webportal/meditex_webportal_isapi.dll</u> <u>Method b)</u> URL: <u>HTTPS://server/meditex_webportal_isapi.dll</u>

If you choose any other port then the standard 443, change the link like that:



Method a) URL: HTTPS://server:PORT/webportal/meditex_webportal_isapi.dll Method b) URL: HTTPS://server:PORT/meditex_webportal_isapi.dll