Installing IIS 7 (Vista) or 7.5 (Windows 7) for Roksbox

IIS 7 is only available on Vista Professional, Enterprise, or Ultimate. IIS 7.5 is available on *all* editions of Windows 7 (Home Starter, Home Basic, Home Professional, Professional, Enterprise, Ultimate).



Open the Control Panel and open Programs and Features.

On the left hand sidebar, click on Turn Windows features on or off.

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Control Panel Home View installed updates <u>Turn Windows features on or</u> off	Uninstall or change a program To uninstall a program, select it from t	າງ the list and then click Uninstall, Change,	or Repair.
	Organize 👻	= • 🔞	
	Name	Publisher	Installed On
	Vm VMware Tools	VMware, Inc.	1/20/2011

Click the box next to "Internet Information Services". The box will not appear checked, but will appear as a fully selected box. This provides the features Roksbox needs to connect to IIS (Anonymous access and Directory browsing).

💽 Windows Features
Turn Windows features on or off
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.
🕀 🔽 📔 Games
Indexing Service
Internet Explorer 8
🕀 🔲 🦺 Internet Information Services
Internet Information Services Hostable Web Core
🕀 🔽 🥼 Media Features
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⊞
E Print and Document Services
🛛 🍌 Remote Differential Compression
🔤 👍 RIP Listener
Envices for NFS
Emple Network Management Protocol (SNMP)
Simple TCPIP services (i.e. echo, daytime etc)
Subsystem for UNIX-based Applications
Tablet PC Components
Telnet Client
Telnet Server
TFTP Client
Windows Gadget Platform
Windows Process Activation Service
Windows Search
VIII APS Services
OK Cancel

Click OK to start the installation of IIS.

Microsoft Windows		
Please wait while Windows makes changes to features. This might take several minutes.		
	Cancel	



Once the installation has completed, go back to the Control Panel. Click on Administrative Tools.

Double click on Internet Information Services (IIS) Manager.

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Favorites	Name	Date modified	Туре	Size	
Nesktop	Component Services	7/13/2009 9:57 PM	Shortcut		2 KB
\rm Downloads	Computer Management	7/13/2009 9:54 PM	Shortcut		2 KB
📃 Recent Places	Data Sources (ODBC)	7/13/2009 9:53 PM	Shortcut		2 KB
	Event Viewer	7/13/2009 9:54 PM	Shortcut		2 KB
🔒 Libraries	💦 Internet Information Services (IIS) Mar	nager 1/20/2011 8:20 PM	Shortcut		2 KB
Documents	🗟 iSCSI Initiator	7/13/2009 9:54 PM	Shortcut		2 KB
J Music	Local Security Policy	rmation Services (IIS) Manag troubleshoot IIS and ASP.NF	er enables you t T.	o configure,	2 KB
E Pictures	Performance Monitor	7/13/2009 9:53 PM	Shortcut		2 KB
Videos	🚰 Print Management	1/20/2011 8:07 PM	Shortcut		2 KB
	Services	7/13/2009 9:54 PM	Shortcut		2 KB
퇲 Computer	System Configuration	7/13/2009 9:53 PM	Shortcut		2 KB
	😥 Task Scheduler	7/13/2009 9:54 PM	Shortcut		2 KB
🙀 Network	🔗 Windows Firewall with Advanced Secu	urity 7/13/2009 9:54 PM	Shortcut		2 KB
	📷 Windows Memory Diagnostic	7/13/2009 9:53 PM	Shortcut		2 KB
	😹 Windows PowerShell Modules	7/13/2009 10:32 PM	Shortcut		3 KB

To configure the web server, the first thing you will want to do is repoint the Default Web Site to the root folder where Roksbox will look for your Videos, Pictures, and Music. Click on the Default Web Site



in the left hand sidebar. On the right hand sidebar, under Actions, click on Advanced Settings.

In the Advanced Settings dialog box, modify the Physical Path. In the example, we have the following set up:

C:\Roksbox (the root folder)

C:\Roksbox\Videos

C:\Roksbox\Music

C:\Roksbox\Pictures

Advanced Settings	? 💌
□ (General)	
Application Pool	DefaultAppPool
Bindings	http:*:80:
ID	1
Name	Default Web Site
Physical Path	%SystemDrive%\inetpub\wwwroa
Physical Path Credentials	
Physical Path Credentials Logon	1 ClearText
Start Automatically	True
Behavior	
Connection Limits	
Enabled Protocols	http
Physical Path	
[physicalPath] Physical path to the	content for the virtual directory.
	OK Cancel

Change the physical path to the root folder (C:\Roksbox in this example). Click OK to save your changes.

Advanced Settings	? 💌		
🗆 (General)			
Application Pool	DefaultAppPool		
Bindings	http:*:80:		
ID	1		
Name	Default Web Site		
Physical Path	C:\Roksbox		
Physical Path Credentials			
Physical Path Credentials Logo	on 1 ClearText		
Start Automatically	True		
Behavior			
Connection Limits			
Enabled Protocols	http		
Physical Path [physicalPath] Physical path to the content for the virtual directory.			
	OK Cancel		

Next, we need to turn on Directory Browsing. In the middle pane, double click Directory Browsing.



Initially it will be disabled. On the right hand side bar, click Enable. The checkboxes in the center will become selectable.



The last step will be to add the MP4 MIME type so IIS will serve MP4 files. Click on the server level (top-most level). Double click on MIME Types.



Click on Add on the right hand sidebar.

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onnections	Call Adda at	Turner			Actions
	INTIME	Types			Addu
WIN-QAANENOU2UQ (WIN-(Use this feature to static files by the V	o manage the list of file nam Web server.	ne extensions and associated content	types that are served as	Help Online Help
a see	Group by: No G	rouping +			
	Extension	MIME Type	Entry Type		
	.323	text/h323	Local	1	
	aut	application/octet	Local		
	aca	application/octet	Local		
	accdb	application/msac	Local		
	accde	application/msac	Local		
	.accdt	application/msac	Local		
	40	application/intern	Local		
		application/octet	Local		
	ai	application/posts	Local		
	aif	His-a/ubus	Local		
	aifc	audio/aiff	Local		
	aiff	audio/aiff	Local		
	application	application/x-ms	Local		
	art	image/x-jg	Local		
	asd	application/octet	Local		
	.asf	video/x-ms-asf	Local		
	.451	application/octet	Local		
	.asm	text/plain	Locat		
	.857	video/x-ms-ast	Local		
	.A1K	video/x-ms-ast	Local		
	.atom	application/atom	Local		
	.au	audio/basic	Local		
	.avi	video/x-msvideo	Local		

In the Add dialog box, add the following:

File name extension: MP4

MIME type: video/mpeg

Add MIME Typ	e		? 🔀
File name <u>e</u> x mp4	tension:		
MIME type:			
video/mpeg			
		OK	Cancel

Click OK and the MIME type will be added to IIS, allowing IIS to serve MP4. To support the newer media format, also add the NFO file type.

File name extension: NFO

MIME type: text/plain

Add MIME Type		? 💌
File name <u>e</u> xtension: nfo		
MIME type:		
text/plain		
	ОК	Cancel

Using a web browser, navigate to the machine's IP address. You should see a folder structure similar to the below.



Advanced: Using symbolic links to enable Roksbox to view content from other folders or drives

If you have content spread across your system (e.g. C:\Roksbox\Video, D:\Movies, D:\Movies2, etc.), you may want to create symlinks in order to allow Roksbox to browse all of your content. To do this, launch the Command Prompt (cmd.exe) as an Administrator (Start -> Programs -> Accessories -> right click Command Prompt and select "Run As Administrator"). Change directory to the location where you want to create the folders, then create your symbolic links using the following format:

Mklink /D SymbolicDirectoryName C:\OriginalDirectoryName

Administrator: Command Prompt	
Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	
C:\Windows\system32>cd \Roksbox\Videos	
C:\Roksbox\Videos>mklink /D Movies E:\Movies symbolic link created for Movies <<===>> E:\Movies	
C:\Roksbox\Videos>mklink /D Movies2 F:\Movies2 symbolic link created for Movies2 <<==>> F:\Movies2	
C:\Roksbox\Videos>dir Volume in drive C has no label. Volume Serial Number is D8CB-4E60	
Directory of C:\Roksbox\Videos	
01/20/2011 08:39 PM <dir> 01/20/2011 08:39 PM <dir> 01/20/2011 08:39 PM <symlinkd> Movies [E:\Movies] 01/20/2011 08:39 PM <symlinkd> Movies2 [F:\Movies2] 0 File(s) 0 bytes 4 Dir(s) 33,645,834,240 bytes free</symlinkd></symlinkd></dir></dir>	
C:\Roksbox\Videos>	-

Now, when you browse your web server, under Videos you'll see two new directories, "Movies" and "Movies2".

10.10.20.39 - /Videos/ - Windows Internet Explorer		0.0 ×
G S + E http://10.10.20.39/Videns/	• 🕒 + 1 🗙 600	. م
😿 🔏 10.10.20.39 - /Videos/	Å• ⊡ · * •	D• •• ••
10.10.20.39 - /Videos/		
ITO Farent Directory] 1/20/2011 8:39 FM <dir> Movies 1/20/2011 8:39 FM <dir> Movies2</dir></dir>		
	📵 Internet Protected Mode: On 🍕	• \$ 100% •

Enabling Basic Authentication

First, install the Basic Authentication module for IIS. Go to Control Panel and double click on Programs and Features. On the left hand sidebar, select Turn Windows features on or off.

Expand Internet Information Services, World Wide Web Services, then Security, and finally check the box next to Basic Authentication, then click OK.

💽 Windows Features	- • •
Turn Windows features on or off	0
To turn a feature on, select its check box. To turn a featu check box. A filled box means that only part of the featu	re off, clear its re is turned on.
🛛 🍶 Internet Explorer 8	*
Internet Information Services	
	=
🕀 🔳 🔒 Web Management Tools	
🖃 🔲 🚡 World Wide Web Services	
Image: Application Development Features	
🕀 🔳 🔒 Common HTTP Features	
🕀 🔳 🔒 Health and Diagnostics	
🕀 🔳 🔒 Performance Features	
🖃 🔲 🎍 Security	
Basic Authentication	
Client Certificate Mapping Authent	tication 💌
ОК	Cancel

Next, create a user account for Roksbox. Go back to the Control Panel and double click on Administrative Tools. Double click Computer Management. In Computer Management, go to System Tools -> Local Users and Groups, then select Users. This will list your current users. In the middle pane, right click in any white space and select New User.



Enter the name of the user account (e.g. "roksbox") and supply a valid password. Selecting "User cannot change password" is optional, but may provide additional security. Click on Create. Once the account is created, click on the Close button of the New User window.

New User		? 🗙		
<u>U</u> ser name:	roksbox			
<u>F</u> ull name:				
Description:				
Password:	•••••			
Confirm password:				
User <u>m</u> ust change password at next logon				
User cannot change password				
Pass <u>w</u> ord never expires				
Account is disa <u>b</u> led				
Help	Create	Cl <u>o</u> se		

There should now be a new account, roksbox:



Next, enable Basic Authentication in IIS. Open the Control Panel and click on Administrative Tools. Double click on Internet Information Services (IIS) Manager. In the Internet Information Services (IIS) Manager, expand the Computer, then Sites. Click on the Default Web Site (or the site used by Roksbox).



In the middle pane, double click Authentication. If Roksbox was previously set up with Anonymous Authentication, it will look similar to this:

🔌 Internet Information Services (IIS) Manager						
G S WIN-QAANENOU2UQ → Sites → Default Web Site →						
File View Help						
Connections	Group by: No Grouping	Actions Help Online Help				
Application Pools	Name	Status	Response Type			
Default Web Site	Anonymous Authentication	Enabled				
	Basic Authentication	Disabled	HTTP 401 Challe			
Configuration: 'localhost' applicationHost.config , <location path="Default Web Site"></location>						
· · · · · · · · · · · · · · · · · · ·	,					

First, disable Anonymous Authentication by right clicking on it and selecting Disabled. Second, right click Basic Authentication by right clicking on it and selecting Enabled. It should then look similar to this:

📲 Internet Information Services (IIS) Manager						
C3 (S) ► WIN-QAANENOU2UQ ► Sites ► Default Web Site ►						
<u>F</u> ile <u>V</u> iew <u>H</u> elp						
Connections	Authentication			Alerts Association SSL is not enabled for this site and credentials will be sent in clear text over the		
WIN-QAANENOU2UQ (WIN-QAANENOU2 Application Pools	Group by: No Grouping 🔹					
▲ Sites	Name	Status	Response Type	wire.		
Default Web Site	Anonymous Authentication	Disabled		Actions		
	Basic Authentication	Enabled	HTTP 401 Challe	Disable Edit P Help Online Help		
Configuration l'angliantian l'angliantian de la configuration de l	E reatures view Content View			6 3		
Configuration: localnost applicationHost.config , <	location path="Default web Site">			1 .:		

Now when you browse to the web site, it will prompt for a username and password. Enter the username and password previously created to access the folder listing.

Blank Page - Windows Internet Explores		×
😤 🕘 - 👔) http://10.10.20.39/	- 4 × t	🤉 fing 🛛 👂 🔹
👷 🛈 Connecting		å• @• ₩• <u>0</u> • Ø• 0• "
	Windows Security The server 10.10.20.39 at 10.10.20.39 requires a username and password be sent in an insecure manner (basic authentication without a secure connection). roksbos ••••••••••••••••••••••••••••••••••••	
Waiting for http://10.10.20.39/	🔛 😡 Internet Protected	Mode: On 👘 🔹 🛝 190% 🔹

If you can view the folder listing, then the setup is complete.