LOADMASTER ENTERPRISE ADDITIONS WEB POD PORTAL



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'ADDITIONS' for Loadmaster - copyright ZiPZAP Computers Limited

This is a walkthrough document to cover concept and installation.



You will need a computer that can operate as a web server. Windows 7, 8 and 10 are perfectly acceptable as it is already built-in but normally just turned off.

In this example the datafiles for Loadmaster are held on the MAIN COMPUTER on its network Q: drive called DEPOT20. This directory is mapped by three other computers. All the computers have Loadmaster loaded and can all see the data. Your will be different but the idea is the same. One of these computers is nominated to be a WEB SERVER.

You now need to set up IIS (Internet Information Server) on the WEB SERVER.

IIS is just a standard web server and you can actually use any Windows based web server that supports PHP.

You can skip all the web server installation instructions as long as you have a working web server that supports PHP.

Overview

This allows your customers to view their consignments using the internet in a reverse listing format for a specified period of days. You can set the number of days. The pages can be displayed in whatever colours you want as they are simple web pages.

				CON	SIGNMENT DATA DISPLAY		
Company D	Desp Date	Our Ref	TPN Ref	Your Order	То	Postcode Status Signati	re Del Date
ADTO 18	8/07/2013	24426	20045733		ZIPZAP COMPUTERS LTD	LN6 3QN DELV	
ADTO 12	2/07/2013	24425	20045732		FRED	NN29 7DT READY	
ADTO 21	1/06/2013	24424	20045730		JOE BROWN	B67 READY	
ADTO 28	8/05/2013	24423	20045729		LONDON 2012	E20 2ST READY	
ADTO 28	8/05/2013	24422	20045728		FRED	NN29 READY 7DT READY	
ADTO 28	8/05/2013	24421	20045727		FRED	NN29 7DT READY	
ADTO 23	3/05/2013	24420			Vita Lend Lease Ltd	LN6 3QN COLL	
ADTO 23	3/05/2013	24419			The Society Of Will Writers	LN6 3QN COLL	
ADTO 23	3/05/2013	24418			Rockstar Games	LN6 3QN COLL	
ADTO 23	3/05/2013	24417		127	Nicholson & Co	LN6 3QN COLL	
ADTO 23	3/05/2013	24416		126	Megacare UK Ltd	LN6 3QN COLL	
ADTO 23	3/05/2013	24415	20045721		LINCOLNSHIRE VISUAL IMPAIRMENT	LN6 3QN READY	
ADTO 23	3/05/2013	24414	20045720		L A FITNESS PLC	LN6 3QN READY	
ADTO 23	3/05/2013	24413	20045719		EPIN LTD	LN6 3QN READY	
ADTO 23	3/05/2013	24412		125	Centrinet Ltd	LN6 3QN COLL	
ADTO 23	3/05/2013	24411	20045717		BRAYFORD STUDIO	LN6 3QN READY	
ADTO 23	3/05/2013	24410	20045716		AMCARE LTD	LN6 3QN READY	
ADTO 23	3/05/2013	24409		124	ZIPZAP COMPUTERS LTD	LN6 3QN COLL	
ADTO 23	3/05/2013	24408	20045714		BRITISH TELECOM	LN6 3QN READY	
ADTO 23	3/05/2013	24407		123	ZIPZAP COMPUTERS	LN6 3QN COLL	
ADTO 23	3/05/2013	24406	20045711		ZIPZAP COMPUTERS LTD	LN6 3QN COLL	
			00015700		IOF PROWN	D67 PEADY	

The column marked TPN Ref is optional. You can include other fields by altering the PHP code.

The status codes are READY, COLL and DELV which mean 'ready for collection', 'collected' and delivered. If a signature has been obtained then this displays in the Signature column. The delivered date is shown in the Del Date column.

All customers can use this facility. You activate their use by completing the fields in their Loadmaster account setup which are marked as 'web username' and 'web password'. They should never be the account name. Usernames should be unique.

The web server needs direct access to your data files to operate which means that you must set up a Microsoft Windows machine in your network to do this. It is quite simple under Windows 7, 8 & 10. You go into Control Panel and Windows Options then turn ON the Internet Information Server.

The computer will need the PHP language installing, this is obtainable free from www.php.com and normally loads everything needed without requiring any user intervention.

Your router should redirect inbound HTTP requests on Port 80 to this computer. It is suggested that you give this computer a fixed IP address internally on the router.

Your firewall needs to be set to allow these inbound requests.

In addition, the web server computer will need either a fixed IP address or a dynamic IP host such as dyndns so that it can be discovered externally.

The computer should be loaded with Loadmaster and able to access the data. You then go Control Panel, Administrative Tools and ODBC. Add a DSN connection called LM which uses HyperfileSQL (preloaded with Loadmaster).

Then by dropping 3 files into c:\inetpub\wwwroot and altering the contents of one file the system is up and running.

The files can be altered to include company logo, colours etc.

You can hyperlink the web server from your web site or supply the URL to your customers. When they log in they will see this (or similar) -

Consignment and Proof of Delivery portal					
Password					
Access					
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The information that they see is deliberately restricted to avoid hacking attempts.

Technical details

Go into Control Panel

🔾 💭 🗸 💷 🕨 Control Panel 🕨 Al	Il Control Panel Items 🕨		✓ 4y Search Control Panel
Adjust your computer's settir	ngs		View by: Small icons 🔻
🏲 Action Center	💮 Administrative Tools	📑 AutoPlay	🐌 Backup and Restore
RitLocker Drive Encryption	🚆 Boot Camp	💶 Color Management	🛛 combit Mail Settings
Credential Manager	🖶 Date and Time	😿 Default Programs	📑 Desktop Gadgets
🚔 Device Manager	devices and Printers	🛄 Display	Ease of Access Center
📕 Flash Player	Folder Options	🗽 Fonts	📳 Getting Started
🔣 HomeGroup	🛆 iCloud	🔑 Indexing Options	🐑 Internet Options
Iomega Active Disk	لھ Java	🍩 Keyboard	Location and Other Sensors
🔼 MobileMe	I Mouse	🕎 Network and Sharing Center	🛄 Notification Area Icons
🔐 odbc	튫 Parental Controls	Performance Information and Tools	Personalization
📰 Phone and Modem	Power Options	Programs and Features	🙆 QuickTime
🔊 Realtek HD Audio Manager	🥐 Recovery	🔊 Region and Language	🐻 RemoteApp and Desktop Connections
击 Software Updates	🛒 Sound	Speech Recognition	🔞 Sync Center
1💆 System	🛄 Taskbar and Start Menu	Troubleshooting	& User Accounts
📑 Windows CardSpace	🕍 Windows Defender	🔗 Windows Firewall	🥹 Windows Mobile Device Center
Windows Update			

Click on Administrative Tools

In Lateration	a second finalities a						
🕞 💮 🗟 🕨 Control Panel 🕨 All Control Panel Items 🕨 Administrative Tools 🔹 🗸 🖌 Search Administrative Tools							
Organize ▼ Burn Bill ▼							
∠ 🛠 Favorites	Name	Date modified	Туре	Size			
Recently Changed	not component Services	14/07/2009 5:46 AM	Shortcut	2 KB			
Tesktop	💭 Computer Management	14/07/2009 5:41 AM	Shortcut	2 KB			
Downloads	Data Sources (ODBC)	14/07/2009 5:41 AM	Shortcut	2 KB			
iCloud Photos	Event Viewer	14/07/2009 5:42 AM	Shortcut	2 KB			
🔚 Recent Places	😹 Internet Information Services (IIS) 6.0 Ma	01/08/2013 12:51	Shortcut	2 KB			
	💦 Internet Information Services (IIS) Manager	01/08/2013 12:51	Shortcut	2 KB			
🖉 🚑 Libraries	🙈 iSCSI Initiator	14/07/2009 5:41 AM	Shortcut	2 KB			
Documents	🔁 Local Security Policy	01/08/2013 12:51	Shortcut	2 KB			
🛛 👌 Music	Microsoft .NET Framework 1.1 Configura	01/08/2013 12:53	Shortcut	2 KB			
Pictures	Microsoft .NET Framework 1.1 Wizards	01/08/2013 12:53	Shortcut	2 KB			
🛛 🛃 Videos	Performance Monitor	14/07/2009 5:41 AM	Shortcut	2 KB			
	🕞 Print Management	01/08/2013 12:50	Shortcut	2 KB			
4 🖳 Computer	😹 Services	14/07/2009 5:41 AM	Shortcut	2 KB			
🛛 🚰 LOCAL_C (C:)	🛃 System Configuration	14/07/2009 5:41 AM	Shortcut	2 KB			
EXT_BACKUP (F:)	🔝 Task Scheduler	14/07/2009 5:42 AM	Shortcut	2 KB			
🛛 🖵 Public (\\Mercury) (🔗 Windows Firewall with Advanced Security	14/07/2009 5:41 AM	Shortcut	2 KB			
My Web Sites on MS	Windows Memory Diagnostic	14/07/2009 5:41 AM	Shortcut	2 KB			
🛛 🎍 WD My Book World	😹 Windows PowerShell Modules	14/07/2009 5:52 AM	Shortcut	3 KB			
🖻 🗣 Network							
18 items							

CHCK	on	Data	Sour	ces (UDD	C)



You will see items in here already. Click on System DSN. It may be empty.

User DSN System D	System DSN File DSN Drivers Tracing Cor	nnection Pooling About
Name	Driver	Add
LM SAME	HyperFileSQL HyperFileSQL	Configure
	An ODBC System data source stores information the indicated data provider. A System data source on this machine, including NT services.	about how to connect to ce is visible to all users

If empty click on Add. Choose HyperfileSQL. Then set up as below.

Note that the full name of the Analysis will be different. It should be in C:\Program Files\Loadmaster\ or similar. Just choose the file using [...] option. It is the only file with a .WDD extension.

The directory of files will be the data directory on your server. It will appear as the data directory within the local program.

Configuring the HyperFileSQL data	a source
Name of the ODBC data source (DSN	I): LM
Parameters of the HyperFileSQL data	abase
Full name of the analysis(*.WDD):	C:\MY PROJECTS\LOADMASTER\LOADMASTERANALYSIS.WD11\L
Perform integrity checks	MAKE A NOTE OF THIS
O HyperFileSQL Classic	
Directory of the files:	Q:\DEPOT20\
	MAKE A NOTE OF THIS
HyperFileSQL Client/Server	
Address of server:	
Port :	
Database:	
User name:	
Password:	
	OK Cancel

Check that the Analysis line does point to the .WDD file as expected.

Make a note of these values. It will be used later. Using my original example this would be Q:DEPOT20

In Control Panel go into the option of Programs and Features.

						x
Control Panel 🕨	All Control Panel Items Programs and Features		~ 🗙	Search Progra	ams and Features	P
Control Panel Home View installed updates 😵 Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and the	en click Uninstall, Change, or Repair.				
off	Organize 🔻					0
	Name	Publisher	Installed On	Size	Version	-
	INET Utilities	Manufacturer	01/08/2013	69.0 KB	128.0.0	=
	💶 Adobe AIR	Adobe Systems Incorporated	01/08/2013		3.0.0.4080	
	🔤 Adobe Dreamweaver CS3	Adobe Systems Incorporated	01/08/2013	858 MB	9.0	
	Adobe ExtendScript Toolkit 2	Adobe Systems Incorporated	01/08/2013	16.4 MB	2.0.2	
	Adobe Flash Player 11 ActiveX	Adobe Systems Incorporated	20/09/2013	6.00 MB	11.8.800.175	
	🖊 Adobe Flash Player 11 Plugin	Adobe Systems Incorporated	11/09/2013	6.00 MB	11.8.800.168	
	🝌 Adobe Reader X (10.1.8)	Adobe Systems Incorporated	16/09/2013	165 MB	10.1.8	
	🛃 Adobe SVG Viewer 3.0	Adobe Systems, Inc.	01/08/2013		3.0	
	O Advanced SystemCare 6	IObit	03/09/2013	71.4 MB	6.4	
	AFPL Ghostscript 8.51		01/08/2013			
	AFPL Ghostscript Fonts		01/08/2013			
	Android SDK Tools	Google Inc.	07/08/2013		1.16	
	🕼 Apple Application Support	Apple Inc.	21/05/2013	64.6 MB	2.3.4	
	🗇 Apple Mobile Device Support	Apple Inc.	26/02/2013	24.6 MB	6.1.0.13	
	🔄 Apple Software Update	Apple Inc.	19/07/2011	2.38 MB	2.1.3.127	
	Application Verifier	Microsoft Corporation	22/12/2009	24.4 MB	4.0.665	
	Ashampoo Burning Studio 9.21	ashampoo GmbH & Co. KG	23/03/2010		9.2.1	
	Ashampoo MyAutoplay Menu 1.0.5	Ashampoo GmbH & Co. KG	28/08/2012		3.1.1	
	Ashampoo Photo Commander 7.21	ashampoo GmbH & Co. KG	27/07/2009		7.2.1	
	Elarc Advisor 8.1		01/08/2013			-
	Currently installed programs Total size: a 217 programs installed	8.23 GB	40 10 10 10 14			

Click on the option of Turn Windows features on or off. Go to Internet Information Services and open the option.



Click on the Management Tools sub-menu.

Turn these options ON.



Then into the World Wide Web Services option.

💽 Windows Features 💷 🗉 Σ	3
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.	
🕀 🔳 🔒 FTP Server	*
🗉 🗉 📄 Web Management Tools	
😑 🔲 📄 World Wide Web Services	
🕢 🕀 🔳 Application Development Features	Ξ
🕀 🔳 📔 Common HTTP Features	
🕀 🔳 📕 Health and Diagnostics	
🕀 🔳 📔 Performance Features	
🕀 🔳 📔 Security	
Internet Information Services Hostable Web Core	
🕀 🗷 📔 Media Features	
⊞ Incrosoft .NET Framework 3.5.1	
🕞 🖃 Microsoft Message Oueue (MSMO) Server	Ŧ
OK Cancel	

Turn these features ON.



And these.

ľ	Windows Features	23
	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	;
		•
	🕀 🔳 📗 Web Management Tools	
	🖃 🔲 📗 World Wide Web Services	
	🗉 🔲 🤚 Application Development Features	=
	🖃 🔲 📔 Common HTTP Features	
	Default Document	
	Directory Browsing	
	HTTP Errors	
	HTTP Redirection	
	Static Content	
	WebDAV Publishing	
	🕀 🔲 🐌 Health and Diagnostics	-
	OK Cance	

And these.



Save all.

Now go into Internet Explorer and type 127.0.0.1 on the address line. You should see this -



A working web server!

In Internet Explorer go to http://php.iis.net/



Click on the Install PHP Now button. Let this load. Go into Explorer and click on local disk C:

You should see something like this -



Click on Inetpub and then wwwroot

Copy the files we sent into this location.

This will be similar (but not the same) as this -

	And the second second		x
CONTRACTOR	(C:) ▶ inetpub ▶ wwwroot ▶	root	P
Organize 🔻 Include in	library ▼ Share with ▼ Burn New folder	·= • 🚺	0
☆ Favorites	Name	Date modified	Item t
Recently Changed	📔 aspnet client	15/08/2008 9:51	File fo
Tesktop	DBQwikSite	18/09/2013 3:33	File fo
Downloads	images	24/09/2013 12:2	File fo
iCloud Photos	📔 sameday	24/09/2013 5:11	File fo
🖳 Recent Places	conentry.bak	23/09/2013 5:20	BAK F
	tonentry.php	24/09/2013 9:31	PHPS
🥽 Libraries	displaydata.bak	24/09/2013 12:2	BAK F
Documents	🐻 displaydata.php	24/09/2013 12:2	PHP S
J Music	getdata.bak	23/09/2013 4:19	BAK F
Pictures	🐻 getdata.php	23/09/2013 4:22	PHP S
🛃 Videos	🥭 iisstart.htm	01/08/2013 10:3	нтмі
	📄 incvar.bak	24/09/2013 10:4	BAK F
🖳 Computer	🐻 incvar.php	24/09/2013 12:2	PHP S
🚢 LOCAL_C (C:)	📋 incvar.txt	23/09/2013 8:50	Text [
EXT_BACKUP (F:)	🐻 phpinfo.php	08/08/2011 10:0	PHP S
🖵 Public (\\Mercury) (wed_php_odbc.inc	04/04/2002 6:45	Inclue
📗 My Web Sites on MS	📄 welcome.png	01/08/2013 10:3	PNG I
🚆 WD My Book World			
🗣 Network			
		7	
	•		•
17 items			

Right-click incvar.php and open in Notepad (choose ALL FILES). You may need to run Notepad as ADMINISTRATOR if you cannot save the values.



Amend the values shown in red and green to those from the ODBC connection.

Configuring the HyperFileSQL data	source	23
Name of the ODBC data source (DSN): LM	
Parameters of the HyperFileSQL data	abase	
Full name of the analysis(*.WDD):	C:\MY PROJECTS\LOADMASTER\LOADMASTERANALYSIS.WD11\L	
Perform integrity checks	MAKE A NOTE OF THIS	
O HyperFileSQL Classic		
Directory of the files:	Q:\DEPOT20\	
	MAKE A NOTE OF THIS	
O HyperFileSQL Client/Server		
Address of server:		
Port :]
Database:		
User name:]
Password:		
	OK Car	icel

Save.

Note: If you are using a 'mapped' drive then you should use the URN rather than the mapped drive letter in the ODBC and the REP line in incvar.php

To explain further. Consider that I have a NAS drive \\IX2-200-TI8MYF\Backups which is mapped as a T: drive

In Directory of files in ODBC instead of T:\DEPOT20\ I now use the full URN of \\IX2-200-TI8MYF\Backups\DEPOT20 and very importantly in incvar.php instead of REP=T:\DEPOT20 I use REP=\\\\IX2-200-TI8MYF\Backups\DEPOT20

Please note the four |||| and not 2 ||. This is because PHP considers || to be |.

Go into Internet Explorer and type 127.0.0.1/phpinfo.php on the address line. You should see a screen full of information and not an error.

In Loadmaster pick an account and go into setup/accounts. Go to the web tab. Enter a unique username and password.

Go into Internet Explorer and type 127.0.0.1/getdata.php and you should get a screen asking for a username and password. Enter those you created and click on the Access button. You should now see the data from your program.

To get this visible to the outside world you need -

1. either need a fixed IP address or a dynamically assigned address using something like dyndns (so you end up with something like mysite.dyndns.org that goes directly to the web server).

2. on your router fix the internal IP address of the web server e.g. 192.168.1.10

3. on your router allow inbound data on Port 80 to be redirect to the web server computer

4. on your external web site place a link for your customers to the web server

Web pages supplied -

getdata.php displaydata.php incvar.php phpinfo.php

For security we recommend that you have an index.htm page which jumps back to your external web site.