

Contents

1.What is RFID2
2.How does it work
3.RFID Connecting to Cloud Hosted Database (Speedway Connect)2
Speedway Connect License
How to Configure Your Server for Speedway Connect3
Setting Speedway Connect to send tags as HTTP Post requests
4.Configuring RFID in RentalPoint16
Setup IMPINJ Fixed Reader
Mobile RFID scanner input18
Speedway Settings
Setup Assets
RFID Import for Assets
RFID for Non Barcoded Items24
5.Reading Tags from Fixed and/or Mobile Readers27
Stop Read
Stop and Load Tags
Print / Show Remaining assets
Checkout
Return / Open return
6.Custom documents
7. TroubleShooting PHP Manager Install
7. TroubleShooting PHP Manager Install 34 First download and unpack PHP from the following site: 34
 7. TroubleShooting PHP Manager Install
 7. TroubleShooting PHP Manager Install
7. TroubleShooting PHP Manager Install 34 First download and unpack PHP from the following site: 34 Download and install PHP driver and ODBC driver. 37 Download and install PHP manager. 40 Open IIS Manager -> PHP manager. 42



1.What is RFID

Radio Frequency Identification is a method if tracking equipment leaving and returning to the warehouse, without the need to physically scan in and out each item. RentalPoint offers both direct (for in house software) and cloud connect (for cloud hosted RentalPoint) options for RFID scanning.

2.How does it work

Each item of equipment is barcode scanned and fixed with an RFID tag. When equipment is wheeled through the scanners (upon leaving or returning to the warehouse), all the tags are scanned and registered in RentalPoint.

The quality of tags, where and how they are placed is vitally important in order to achieve a 100% read rate. <u>The right equipment, the right tags, the right software and the right expertise to put it all together is vital!</u>

RFID tags can be hidden and painted over to remain discreet. For musical instruments, tags can be attached inside and/or under a small black patch.

PERFID is an additional module to RentalPoint and is priced as such. You still need to bar code all assets, barcoding and RFID go hand in hand. We are also working on a mobile RFID solution, so that gear can be tracked before leaving the job site. If you're interested in further information on RFID then please email <u>sales@rentp.com</u>

3.RFID Connecting to Cloud Hosted Database (Speedway Connect)

Installing the Speedway connect software on the reader allows the reader to be configured to send tags over the internet to a web server. Use this set up for fixed readers where the RentalPoint database is not on the same network/VPN as the reader.

A local computer running RentalPoint is not required in this case. RentalPoint can reside on a cloud or other server not local to the reader's network.

Once Speedway Connect is installed on the reader you will no longer be able to directly connect to it using the RentalPoint RFID window as it overrides all direct connections. Uninstall Speedway Connect if you wish to connect to it directly again

To use Speedway Connect you'll need:

- 1. Web server with connection to SQL server database and port open to the internet that the reader can send requests to.
- 2. Install speedway connect on the reader (note this will prevent RFID scan window from connecting to it directly).
- **3.** Get a speedway connect license from a dealer (dealer should also have advice on which settings to use for the situation as these are then set in speedway connect instead of RP)
- 4. Point speedway connect to the PHP file on the web server
- 5. Set up RentalPoint reader list to have readers get results from speedway connect



Speedway Connect License

For testing purposes, Speedway Connect will allow a maximum of 500 tags per session. A license key can be obtained from a licenced vendor. <u>http://go.impinj.com/contact-sales</u>

https://support.impinj.com/hc/en-us/articles/202755278-Speedway-Connect

How to Configure Your Server for Speedway Connect

First you'll need to do some work on your server. This involves downloading and installing some required files, then configuring the server roles and IIS.

Download and Install Required Files

Navigate to <u>http://www.microsoft.com/web/downloads/platform.aspx</u>. Click **Free Download** and follow the on screen instructions to launch the MS Web Platform. Microsoft provides this free tool to help you find the files you need and install them easily.

Microsoft Web Platform Installer 5.0

The Microsoft Web Platform Installer (Web PI) is a free tool that makes getting the latest components of the Microsoft Web Platform, including Internet Information Services (IIS), SQL Server Express, .NET Framework and Visual Web Developer easy. The Web PI also makes it easy to install and run the most popular free web applications for blogging, content management and more with the built-in Windows Web Application Gallery.



Using the MS Web Platform, search for the following files. Click Add to put them in your cart.

- Microsoft Drivers 3.2 for PHP v5.6
- PHP 5.6.0 For IIS Express
- Microsoft Visual C++ 2012 Redistributable Package
- PHP Manager for IIS





Once you've added all the required files click **Install**. You should see a screen similar to the one below. Click **I Accept** to install the selected items. After all items have successfully installed, reboot your server.

Web Platform Installer 5.0			×
PREREQUISITES	INSTALL	CONFIGURE	FINISH
Review the following list of third pa software identified below to be inst products are provided by the third responsible for and must separately	irty application software, Micro: alled and Windows component parties listed here. Microsoft gr / locate, read and accept these t	soft products and components, and any add is to be turned on. Third party applications a ants you no rights for third party software. N hird party license terms.	litional and You are
 Microsoft Drivers 3.2 for <u>View license terms</u> PHP Manager for IIS 	PHP v5.6 for SQL Server in II	5	Direct Download Link
View license terms			Direct Download Link
X Microsoft Drivers 3.2 for View license terms	PHP v5.6 for SQL Server in II	S Express	Direct Download Link
View license terms			Direct Download Link
🗙 Microsoft Visual C++ 201	2 Redistributable Package		
			Direct Download Link
Total file download size:			65.21 MB
Click how to see additional actions			
By clicking "I Accept", you agree to software identified above. If you do	the license terms for the third p o not agree to all of the license t	associated Microsoft software, and any additi terms, click "I Decline".	onal
		I <u>D</u> ecline	I <u>A</u> ccept

NOTE: if you PHP Manager for IIS fails to install, see trouble shooting at the end of the document.

Configure Web Server IIS Roles

- Open Server Manager, expand Roles (you may need to wait a few moments while the list populates) and click on Web Server (IIS).
- Scroll down to the Role Services area and ensure that the following services are installed.
 - o Static Content
 - o Default Document
 - o CGI
 - o ODBC Logging
 - o Basic Authentication
 - Windows Authentication
 - IIS Management Console



If a service is *Not Installed*, simply click **Add Role Services**, tick the boxes on the items you want to install and click **Next**. Follow the on screen instructions.

Afte	r you've	comp	leted	this	step,	restart	your	server.
🚡 Se	erver Manager							
File	Action View Help							
	> 🔊 📰 🔽							
E c.		D 1						
i 🖻 Se	Roles	Roles						
	Print and Document Sen	-TEN						
Þ	Remote Desktop Services	EV	View the hea	alth of the roles i	installed on your ser	ver and add or rem	ove roles and features.	
⊳	💐 Web Server (IIS)							
⊳ 🚮	Features	(A) Pe	la Saruicari 🤉	4 installed				
⊳ 🔤	Diagnostics	© nu	ile Sel vices: 2	4 mstaneu				
Þ 📑	Configuration	Role	Service			Status		
▷ 😫	🖁 Storage	*	Web Server			Installed		
			Common H	TTP Features		Installed		
		1	Static Cor	ntent		Installed		
		- E	Default D	ocument		Installed		
		- E	Directory	Browsing		Installed		
		1	HTTP Erro	ors		Installed		
			HTTP Red	lirection		Not installed		
			WebDAV	Publishing		Not installed		
		8	Application	Development		Installed		
			ASP.NET			Not installed		
			.NET Exter	nsibility		Not installed		
			ASP	-		Not installed		
		8	CGI			Installed		
			ISAPI Exte	nsions		Not installed		
			ISAPI Filte	rs		Not installed		
			Server Sid	e Includes		Not installed		
			Health and I	Diagnostics		Installed		
			HTTP Log	iging .		Installed		
			Logging T	Fools		Installed		
			Request N	/lonitor		Installed		
			Tracing			Not installed		
			Custom L	ogging		Not installed		
			ODBC Log	gging		Installed		
			Security			Installed		
			Basic Aut	hentication		Installed		
		*	Windows	Authentication		Installed		
			Digest Au	thentication		Not installed		
			Client Cer	tificate Mapping	g Authentication	Not installed		
			IIS Client (Certificate Mapp	oing Authentication	Not installed		
			URL Auth	orization		Not installed		
		*	Request F	iltering		Installed		
		_	IP and Do	main Restrictior	15	Not installed		
		_	Performance	e		Installed		
		*	Static Cor	ntent Compressi	on	Installed		
		_	Dynamic	Content Compr	ession	Not installed		
		_	Management	Tools		Installed		
		–	IIS Managen	nent Console		Installed		
			IIS Managen	nent Scripts and	Tools	Not installed		

ÖR



<u> </u>	Server Manager	
Server Ma	nager • IIS	Add Roles and Features
Dashboard Local Server	SERVERS All servers 1 total	Kemove Koles and Features Add Servers Create Server Group Server Manager Properties
File and Storage Services	Server Name IPv4 Address Manageability Last Update Windows Activation	
 Print Services ⊗ Remote Desktop Services ▷ 	DEVSRV Online - Performance counters not started 9/08/2019 2:26:16 PM 00254-2000((Activate	cd)

Select server roles





Server Roles Continued:



Configure IIS CGI Handler Mappings

- In the Windows Start Menu type **run** and hit enter.
- Then type **inetmgr** and hit enter. This will launch the **Internet Information Services (IIS)** Manager.
- In the IIS Manager locate your server name in the left hand **Connections** pane and click it.
- The right pane will refresh with the available features for your sever. Locate the **Handler Mappings** feature and double click to launch it.

Filter:		- 🔐 Go 🕞 🗸	Show All	Group by: Ar	ea	-					
IIS											
2	CGI	Ð	0		404				6		j 2
Authentic	CGI	Compression	Default Document	Directory Browsing	Error Pages	FastCGI Settings	Handler Mappings	HTTP Respon	ISAPI and CGI Restri	Logging	MIME Types
		php	8	D		2					
Modules	Output Caching	PHP Manager	Request Filtering	Server Certificates	URL Rewrite	Worker Processes					
Manageme	nt										
		\$ =									
Configurat Editor	Feature Delegation	Shared Configurat									

• In the Handler Mapping list, search for PHP_via_FastCGI. (Don't worry if it doesn't exist, we've included instructions on how to add it.)

Internet Information Services (IIS) Manager						
G S RP-DEVSERVER >						
<u>F</u> ile <u>V</u> iew <u>H</u> elp						
Connections	Handler Mapping: Use this feature to specify the resourc Group by: State	S es, such as DLLs	and managed code, t	hat handle responses	for specific request types.	
⊳ - o Sites	Name	Path	State	Path Type	Handler	Entry Type
	PageHandlerFactory-ISAPI-4.0_64bit	*.aspx	Enabled	Unspecified	IsapiModule	Local
	PHP_via_FastCGI	*.php	Enabled	File or Folder	FastCgiModule	Local
	PHP53_via_FastCGI	*.php	Enabled	File or Folder	FastCgiModule	Local
	rules-Integrated-4.0	*.rules	Enabled	Unspecified	System.ServiceModel.Activati	Local



- If the PHP_via_FastCGI module mapping doesn't exist, navigate to the Actions pane on the right hand side
- click Add Module Mapping... and enter the following information.
 - The default PHP folder is located in C:\Program Files (x86)\iis express\PHP\v5.6, however this may differ from your installation.
 - \circ You can use any version of PHP provided that you select the appropriate path and executable.

Add Module Mapping	? 💌
Request <u>p</u> ath:	
*.php	
Example: *.bas, wsvc.axd	
<u>M</u> odule:	
FastCgiModule	-
Executable (optional):	
"C:\Program Files (x86)\iis express\PHP\v5.6\php-cgi.exe"	
<u>N</u> ame:	
PHP_via_FastCGI	
Request Restrictions	
ок	Cancel

• Click **OK** to save your changes.



There's **one final step** that you need to complete (regardless if you added the mapping yourself, or the mapping was already in the list).

- Double click to open the PHP_via_FastCGI mapping.
- Click **Request Restrictions** and configure the Mapping as follows:

Request Restrictions	? <mark>- x</mark>
Mapping Verbs Access	
Invoke handler only if request is mapped to:	
─ <u>F</u> ile	
○ Fol <u>d</u> er	
File <u>o</u> r folder	
ок	Cancel

Click **OK** on all dialogs to save the configuration.

Create a Secure Database User

- In SQL Management Studio create a special database user for RFID (ie. RPRFID).
- Configure the user with SQL Server authentication, give the user a password and select Enforce Password Policy.
- Ensure that you set your Default Database and Default Language accordingly.



🗄 Login - New				- • ×
Select a page	🕵 Script 👻 🚺 Help			
Server Roles Server Roles Securables	Login name: Windows authentication SQL Server authentication Password: Confirm password: Specify old password Old password: Enforce password policy Enforce password policy Enforce password policy Mapped to certificate Mapped to certificate	RPStripe		v v
Connection	Map to Credential			▼ Add
Server: RP-DEVSERVER\SQLEXPRESS Connection: RP-DEVSERVER\Cheryl	Mapped Credentials	Credential	Provider	
Progress				Remove
O Ready	Default database: Default language:	cheryl_v11_5 English		•
			ОК	Cancel

This user only has the **public** role assigned.

📑 Login - New		- • ×
Select a page	🕵 Script 👻 📑 Help	
General Server Roles User Mapping Securables	Server role is used to grant server-wide security privileges to a user.	
	Server roles:	
	bulkadının docreator diskadının processadının	
	public securityadmin serveradmin serveradmin	
	i sysadmin	
Connection		
Server: RP-DEVSERVER\SQLEXPRESS		
Connection: RP-DEVSERVER\Cheryl		
View connection properties		
Progress		
Ready		
	OK	Cancel



This user is only mapped to your RP database. Click OK to save your new user.

-			
📑 Login - New			
Select a page General Server Boles	🔄 Script 🔻 📑 Help		
User Mapping	Users mapped to this login:		
🚰 Securables	Map Database	User RPStripe	Default Schema
Connection	Guest account enabled for: o Database role membership for: c	heryl_v11_5 heryl_v11_5	
Server: RP-DEVSERVER\SQLEXPRESS Connection: RP-DEVSERVER\Cheryl View connection properties	db_accessadmin db_backupoperator db_datareader db_datawriter db_datadmin db_denydatareader db_denydatareader db_denydatareader		
Progress Ready	db_securityadmin V public		
	1		OK Cancel

- Use the following SQL script to grant the required permissions to this user.
- Ensure that you enter the appropriate USERNAME and DATABASE values (highlighted).

DECLARE @USERNAME VARCHAR(50); DECLARE @DATABASE VARCHAR(50); SET @USERNAME = 'UserName'; SET @DATABASE = 'DatabaseName'; DECLARE @SQLText nvarchar(MAX); SET @SQLText = ' USE {DATABASE} GRANT CONNECT TO {USERNAME}

GRANT SELECT ON [dbo].[tblRFIDEvents] TO {USERNAME} GRANT INSERT ON [dbo].[tblRFIDEvents] TO {USERNAME} GRANT UPDATE ON [dbo].[tblRFIDEvents] TO {USERNAME} GRANT DELETE ON [dbo].[tblRFIDEvents] TO {USERNAME} '; SET @SQLText = REPLACE (@SQLText , '{USERNAME}' , @USERNAME) SET @SQLText = REPLACE (@SQLText , '{DATABASE}' , @DATABASE) EXECUTE (@SQLText)

- The RFID server files can be found in the rentalpoint ... sys\RFIDScan\RFIDServer folder after installing RFID Setup from http://www.rentp.com/updates/login.php.
- Save the files in RFIDServer to a folder on your web server. (i.e. C:\inetpub\wwwroot)



• The path to the **RFID.php** file will need to be added to the **URL** box in the Speedway connect settings as below.

o Ex. http://159.999.333.111:928/RFIDWeb/RFID.php

Outside Connection

After completing the steps above to allow the reader to connect from outside your local network, you may have to allow IIS through a port in the firewall and forward it to the internal IP address of the Server machine. Once configured you should be able to connect to http://[Your server IP or Web site address]/RFIDWeb/test.php and see the message below

Server Name: DEVSRV\SQLEXPRESS Database Name: devdb

Test Connection: Connection established.

Test Access rights: passed

Test INSERT right: passed

Test SELECT right: passed.

Test Delete right: passed

Connect to the database

Find and edit the config.php file in the RFIDWeb folder.

Config.php	17/09/2019 7:15 PM	PHP File	1 KB
hurd .			

Change the Server, Database, user name and password to the SQL Server and a user set up on the server with SQL Authentication and save.

Config.php - Notepad
File Edit Format View Help
php</td
<pre>/* The name of the server instance that hosts your RentalPoint database ie. DEVSERVER\\SQLEXPRESS */ \$servername = "MYSERVERNAME\\SQLINSTANCE";</pre>
/* The name of your RentalPoint database. */ \$dbname = "DATABASENAME";
<pre>/* The database user that has public access to your RentalPoint database (please see documentation). */ \$user = "USERNAME";</pre>
/* The password for the database user above. */ \$pass = "PASSWORD";
/* Internal connection details. */ \$connectionInfo = array("Database"=>\$dbname, "UID"=>\$user, "PWD"=>\$pass);



Installing Speedway Connect

Note: Once Speedway Connect is installed on the reader you will no longer be able to directly connect to it using the RentalPoint RFID window as it overrides all direct connections. Uninstall Speedway Connect if you wish to connect to it directly again

Follow the directions in the link below to install Speedway connect to the reader and update the **Octane firmware.**

https://support.impinj.com/hc/en-us/articles/360004070340-Installing-Upgrading-Speedway-Connect

e - 🔳 Code.org - Pre-read	le		
READER		READER UPGRADE	
Reader Name	SpeedwayR-11-FB-2D	Upgrade Status	Ready
Uptime	0 Days, 0 hours, 0 minutes, 43 seconds	Last Operation Status	N/A
System Time	Fri Sep 13 20:26:45 UTC 2019	Select Upgrade File	Browse. No file selected.
LLRP Status	Connected: ::ffff:127.0.0.1		
RFID Status	Active	Upgrade Now	Upgrade [↑]
DETAILS		ANTENNA HUB	
Model Name	Speedway R420	Feature Status	Disabled
Regulatory Region	FCC Part 15.247	Press to Enable	Enable Antenna Hub
MAC Address	00:16:25:11:FB:2D		
Software Version	5.12.2.240 (Build cbc9ad1d0d1)	READER REBOOT	
Hardware Version	250-005-013	Reboot Status	Ready To Reboot
Application SW Version	2.0.6.0	Press to Reboot	Reboot 🏠
Serial Number	370-16-51-0290		
NETWORK		QUICK LINKS	
IP Address	2607:fea8:6040:b90::4	www.impinj.com	
Network Mask		support.impinj.com	
	4-00-0-060-066-00000	Speedway Decumentation	

Setting Speedway Connect to send tags as HTTP Post requests.

Open the Speedway connect interface by entering the following in a browser, where AA-AA-AA is the last 6 characters of the reader's MAC address (this can be found on a sticker on the reader).

https://speedwayr-AA-AA-AA.local

ex.

https://speedwayr-11-fb-2d.local,



Under the output connection check the 'HTTP POST' option. Enter the same reader name as the 'Configuration description' in Rentalpoint set up (barcoding #2). This value can be anything unique to the reader.

💙 Output : Conr	nection				
Serial Port:					
Baud	Rate:		115,200 ∨		
Keyboard Emulation	:				
USB Flash Drive:					
TCP/IP Socket:					
Port:			14150	(1 - 65535 number)
HTTP POST:					
Read	er Name:		Impinj RFID Reader		
URL:			۱tp.com/Jaclyn/RFID.php		
Upda	te Interval:		5	(0 - 86400 secs)	
RP.			Setup R	F	
Select Configuration C		Configurati	on description		
Configuration		Impinj RFI	D Reader		
Impinj RFID Reader		Reader Ty	pes allowed		
MOBILE		○ Fixed R	eader		

Under Output : Data

If the Speedway connect version has the Format option set this to Key-Values Pairs



JSON	•
JSON Key-Value Pairs	
	JSON JSON Key-Value Pairs

Set the delimiter to Comma and Line Ending to LF

❤ Output :	Data			
Delimiter:		Comm	a 🗸	
Line Ending:		LF	\checkmark	
Antenna Port:				
Timestamp:				
Peak RSSI:			The Reader Tag D	ata Output Settings
TID:				
	Start:	0		(0 - 65535 bit)
	Length:	6		(1 - 32 words)
User Memory:				
	Start:	0		(0 - 65535 bit)

Click **Apply** to add the settings. Ensure the Status at the top shows a green tag before clicking apply to start the reader.

See 'Configure RFID in RentalPoint' below for Speedway settings.



4. Configuring RFID in RentalPoint

RFID mode is enabled in parameter setup, barcoding parameter #2 (Barcode Scanning + RFID).



Setup IMPINJ Fixed Reader

To set-up a fixed IMPINJ Reader go to setup parameter #2, select Barcode Scanning + RFID after which the setup window will appear.

RP	Setup	RFID Configurations – \Box ×
Select Configuration	Configuration description	Fixed Reader Settings
Configuration	R420 fixed	Fixed Reader Host (eq. SpeedwayR-00-07-33, 169.254.1.1) 169.254.1.1
R420 fixed R420 and 3190 3190	Reader Types allowed Fixed Reader Mobile Reader Both Fixed and Mobile	Min. RSSI (leave blank for all tags) -75 -79 to -10, lower Min. RSSI values allows weaker tag reads
	Copen Copen	Tag Format (Blank for all) Enter characters to specify portion of the tag that must match the format. An 'X' will allow any character in that position. Tags not matching the format will be ignored. No need to include Xs at the end of the format. For instace to include tags like this "5J000000000000000000000000000000000000
🗋 New 👘 Dele	te Apply	✓ Save × Cancel

Click **New** then enter a unique name for the **Configuration description**. For the fixed reader select **Fixed Reader** for the type, then enter the IP or host name for the **Fixed Reader Host.**



The **Min. RSSI** setting can be used to exclude low signal tags from the reader so that for instance tags sitting on a shelf to one side of the portal are excluded.

To test the reader select a row and click 'Open' to launch the setup version of the reader app.

Reader Setup		_		×
Setup Start Reading Tags Reader Respons	25			
Reader name Reader connection Inout portal	Configuration Impinj Default Save Config			
Minutes before closing idle reader (no new tags)	Test Beep • Console Beep Frequency (200 - 9000) 3000 Windows Beep .way file beep			
Min. RSSI -70	Tag Format (only include tags with the initial format (X for ignore)) ex. XX9 for 62912345678901234567890 009 for 00912345678901234567890			
Database Connection String (leave blank to read from RP m	igistry)			
Test DB Connection				
Messages		Close	e	
Excluding tags with RSSI below : -70	Tag Format : Any			

Here the settings entered can be tested against the reader.



Mobile RFID scanner input

Mobile RFID scanners can be used to read RFID tags directly into the checkout/return windows in the same way barcodes can. Some scanners are dual readers and can handle both tags and barcodes; these can be read in in the same list (either from a file or by setting the reader up as a keyboard wedge).

Below is an example of what input from a dual reader might look like. In RentalPoint, barcodes are restricted to 15 characters, anything longer than that will be identified as an RFID Tag.

1							
1,	RP	1		Checkout equip	oment, b	ooking: ABC	2555500005 from Loca
	Enter Barcodes	Scanner Sessions	Cur	rent Session	Equip	ment Out	Returned
1	Scan One or Mor	e Barcode(s) :					
	000000000000000000000000000000000000000	000100009	^				
1	000000000000000000000000000000000000000	000100011				Chec	kout Barcode
)	000000000000000000000000000000000000000	000100012					
	000000000000000000000000000000000000000	000100016					
1	000000000000000000000000000000000000000	000100165					
1	000000000000000000000000000000000000000	000103244					
	000000000000000000000000000000000000000	000102343					
1	000000000000000000000000000000000000000	000100009					
1	R98339						
ŗ	R93887						
	R98882						
1	ABC00000000000	000100009					
)	ABC00000000000	000100123					
i	R93882						
	9909-29883-988			Booking No	tes		E Falt
	112233445566778	889900AABB		5			
U	11223344556677	589900AABB					
-							
ľ							
r							
				<			
			\mathbf{v}	(Shortcut Ctrl	I-S)	Enter road	case barcode to pack/u
-	r⊳! <u>S</u> erial # r⊳!	Search 🗐		Scan Quanti	ity		0



They can also be configured to scan RFID tags into the reader window at the same time as a fixed reader or as the exclusive RFID input method when set up to work as a **Keyboard Wedge** on a workstation.

In the reader configuration setup, enter a new configuration item and select **Mobile Reader.** No IP information is needed in this case, but a tag format can be defined.

R/P	S	etup RFID Configurations – 🗖 🔀
Select Configuration	Configuration description	
Configuration	3190	
R420 fixed	Reader Types allowed	
R420 and 3190	O Fixed Reader	
3190	Mobile Reader	
	O Both Fixed and Mobile	
	Copen Copen	Tag Format (Blank for all)
		Enter characters to specify portion of the tag that must match the format. An 'X' will allow any character in that position. Tags not matching the format will be ignored. No need to include Xs at the end of the format. For instace to include tags like this "5J000000000000000000000000000000000000

If the mobile and fixed reader will be used together, in some cases a separate configuration can be defined and **Both Fixed and Mobile** selected.

P	Setu	up RFID Configurations -
Select Configuration	Configuration description	Fixed Reader Settings
Configuration	R420 and 3190	L] Use Speedway Connect
R420 fixed	Reader Types allowed	Fixed Reader Host (eq. SpeedwayR-00-07-33, 169.254.1.1) 192.168.0.24
8420 and 3190	Fixed Reader Mobile Reader	Min. RSSI (leave blank for all tags) -79
	Both Fixed and Mobile	-79 to -10, lower Min. RSSI values allows weaker tag reads
	Dpen	Tag Format (Blank for all)
		Enter characters to specify portion of the tag that must match the format. An 'X' will allow any character in that position. Tags not matching the format will be ignored. No need to include Xs at the end of the format. For instace to include tags like this "5J000000000000000000000000000000000000



Speedway Settings

For fixed readers configurations (only or both), check the Use Speedway Connect option. If you have an earlier version that does not have this option, enter swc in the Fixed Reader Host box.

RP	Setu	p RFID Configurations – 🗆 🗙
Select Configuration Configuration Incoming MOBILE	Configuration description Incoming Reader Types allowed Fixed Reader Mobile Reader Both Fixed and Mobile	Fixed Reader Settings ✓ Use Speedway Connect Fixed Reader Host (eg. SpeedwayR-00-07-33, 169.254.1.1) swc Min. RSSI (leave blank for all tags) -75 -79 to -10, lower Min. RSSI values allows weaker tag reads
	Copen Copen	Tag Format (Blank for all)

Setup Assets

A barcode number needs to be assigned to all assets whether the actual barcode appears on the item or not, though having the barcode on the product can be helpful for sight identification and lookup.

Assets with an RFID tag will have the tag stored in the RFID Tag field in asset properties. All tags must be longer than 15 characters to be identified as such by RentalPoint.



RP	Edit Asset Record ×
General Service	Information Financial Details Notes
Barcode	A2007
Description	Printer
Model Number	
Stock Number	8
Serial Number	
Vendor	
PO number	
Bin Location	
Quantity	1
Location	0 - London office 💌
RFID Tag	11223344556677889900AABE
	(Note: RFID tags should be longer than 15 characters)
	✓ OK X Cancel



RFID Import for Assets

RFID Tags can be imported using the product or asset import from csv files.

		Nentan Onter	11.5.1.0		00	
	Others	Help				
	Er Pr	iter Currency Conversion Rate				*
2	In	nport / Export	•		Export Accounts	
	Di	splay Log Files	•	_	Export Accounts to .CSV	
-	Ar	chiving	•		Export Customers	•
Í	Ex	tend License Date			Export Distribution List	•
	Ut	ilities	•		Import Files	
_	Cł	nange Operator	Ctrl+F3		Generate Import Templates	

2	Import Files					
Import						
O Rental Products	O Components, Accessories, Alternatives					
◯ Sales Products	Venues					
○ Vendors	C Labour Products					
○ Technicians	O Rental Rates					
○ Customers	Sale Prices					
○ Contacts	Assets					
O Customers and Contacts	RFID Tags					

Select the .csv file that has a list of barcodes with the corresponding RFID Tag. These should be the first and second column in the spreadsheet.



Ensure the column order on the window matches the order in the spreadsheet, then click 'Import'

RFID Imp	ort
This import will update RFID tag when given an existin 'Rental product' or 'Asset' import options.	ng barcode. For new assets please use the
Any barcodes not found will be added to a separate assets.	.csv sheet that can be used to import new
.csv File example	
Asset Barcode	RFID Tag
100009	R100000000000000000045
100011	R1000000000000000000000046
Field 1 Field 2	
Asset Barcode V RFID Tag	~
🞲 Import Now	Cancel



RFID for Non Barcoded Items

While non-barcoded items do not have separate asset records for each item, they can still be tagged and read with the RFID reader. Unlike a 'non-tracked barcode' however, where the barcode is assigned at the product level and scanned for each individual checkout of that product, the RFID tag for each non-tracked item <u>must</u> be unique. With RFID, since the reader is contently reading the tags in its view, it needs the unique tag to determine that there are two or more separate items.

In product properties (via Inventory Setup (F10)), products that are not checked as 'Barcode Track' will have an extra tab called 'Barcodes\RFID tags'.

62						t	Lait Proau	ст кесоra :	Cable	S				
General	Picture	Rental Rat	es Sale	s N	lotes	Location	Attachment	Barcode\RF	ID tags					
Product	Informatio	n							Printir	ng Descriptio	ns p	rinting Opti	ons	
Product	Code	C	CABLES						Descrip	ption for Clier	nt Faci	ing Docume	ents	
Descript	tion	C	Cables											
		_												
Model N	o.													
Colour														
Part Nur	nber								Produ	ct Options	Transf	ior Options	PAT Options	Lipit Specific
Qty Own	ed	e	503.00		(All Loc	ations)		_	For	Individual Re	ental /	Sale	PAI Options	?
								L	Bar	code Track	duct to	hediscour	ted	
Country	of Origin							•	Exp	and When Ac	dded t	o a Booking	l	
Revenue	e Code								Aut	o Checkout ti rehouse acti	his Ite	m		
Default	Accessory	Discount							Wh	en Cross ren	ted, th	ne cost is fro	eight	
Non-trac	cked Barco	de		CAB1										



Barcodes/RFID tags can be manually entered / deleted by using the add/delete buttons at the bottom on the grid.

RP					E	Edit Produc	t Record : Cabl	es	
General	Picture	Rental Rate	s Sales	Notes	Location	Attachments	Barcode\RFID tags		
Barcod	e	I	RFID Tags						
12234		I	R9999999999	99999999	9999999999	33			
(Add	•	Delete						

Large numbers of tags or barcodes can be entered by copying and pasting from a spreadsheet.

A	1	▼ : × ✓ <i>f</i> x B10004		
	A	В	с	D
1	B10004	R0000000000000000000000000000000000000		
2	B10005	R0000000000000000000000000000000000000		
3	B10006	R0000000000000000000000000000000000000		
4	B10007	R0000000000000000000000000000078		
5	B10009	R0000000000000000000000000000000000000		
6				
7				
8				
9				
10				
11				



Click the 'New' button to add a new line and place the cursor in the first column. Then hit Ctrl-V to paste in the rows.

RP					l	Edit Produc	t Record : Cable	es
General	Picture	Rental Rat	es Sales	Notes	Location	Attachments	Barcode\RFID tags	
Barcode	•		RFID Tags	5				
12234			R999999999	999999999	9999999999	33		
B10004			R0000000	00000000	000000000	0004		
B10005			R0000000	00000000	000000000	0005		
B10006			R0000000	00000000	000000000	0006		
B10007			R0000000	00000000	000000000	0078		
B10009			R0000000	00000000	000000000	0100		
C	Add	•	Delete					



5.Reading Tags from Fixed and/or Mobile Readers

On the checkout and return windows, operators who have privileges to use fixed readers will have the buttons pictured below.

To read tags

- 1. Select the reader the tags will be loaded from
- 2. Click the **RFID Scanner** button. This will load the scanner window that connects to the reader.

from Location :0 - London office eturned	×
5 •	coad Tags and Barcodes
	Reader Out portal
7 Edit	RFID Scanner

When the reader app is initially opened, the number of items that have RFID tags is displayed along with the number of tags read and the amount remaining.

The red light indicates that the reader is not connected.

Booking : ABC00 Show : Spring 20	001 18		(Clear	Rem	ove Selected	Manage Exclu	uded	DEMO	MODE		
# of Items on Booki	ng		#	Barcode		RFID		Descri	ption	Show	E	30
	119											
# of RFID Tags	RFID Tags Read	Remaining RFID	_									
79	0	79										
	Read											



Click Start Read to connect to the reader and start reading tags, the red light will turn green.

Reader : Out portal							-	×
Start Reading Tags Re	eader Responses							
Booking : ABC000	01		Close	Pomovo Selected	Manago Excluded			
Show : Spring 2018		Initializing	Check for stray reads					
# of Items on Booking	ng		# Pareada	PEID	Description	Show		P
	119							
# of RFID Tags	RFID Tags Read	Remaining RFID						
79	0	79						

At first, a yellow message will display indicating the 10 second **initialization period**, that will help eliminate any stray reads. During the time, refrain from moving equipment towards the portal.

At the end of this time any tags read will be shown in a pop-up window to remove or keep them. Removed tags will not be read again for the duration of the session.

RFID	Barcode	Description	On Booking	Show	
00000000000000000999097					
0000000000000000999098	R1	RACK test			
0000000000000000999099					
00000000000000000999100	PP9	Printer WIFI HP with	DDDD00001		
lect All Deselect All					

Tags that are read display the barcode, RFID tag #, asset description and the booking and show if the asset is on the booking being checked out returned.

Assets scanned that are not on the booking or are unknown will display in red indicating they are extra items that may need review. In the case or checkout these may be items that are being added at checkout and will be added to the booking when the session is saved in the RentalPoint checkout window. For open return red items may also be assets for a booking being returned that hasn't been specified by the user. Other red items may be equipment that was moved through the portal by mistake or tags that aren't entered in the system.

RFID in RentalPoint

	TH ID	Description	Show	Booking	Location Warning
RA1	0000000000000000999092	Rack Asset test			0
L999093	00000000000000000999090	LED Panel			
888001	000000000000000000999089	Folding Table (5')			
L999092	00000000000000000999091	LED Panel	Spring 2018	ABC00001	
1F13	00000000000000000999096	Folding Chair	Spring 2018	ABC00001	
1F14	00000000000000000999095	Folding Chair	Spring 2018	ABC00001	
1F12	00000000000000000999094	Folding Chair	Spring 2018	ABC00001	
	RA1 L999093 888001 L999092 1F13 1F14 1F12	RA1 00000000000000000000099092 L999093 000000000000000000000000000000000000	RA1 0000000000000000000999092 Hack Asset lest L999093 00000000000000000999090 LED Panel 888001 00000000000000000999099 Folding Table (5') L999092 000000000000000000999091 LED Panel 1F13 000000000000000000999096 Folding Chair 1F14 00000000000000000999095 Folding Chair 1F12 000000000000000000000999094 Folding Chair	RA1 000000000000000000000000000000000000	RA1 000000000000000000000000000000000000

Stop Read

This will break the connection with the reader to stop reading tags and will leave the reader app window open so that the list of tags can be reviewed and/or specific tags can be removed as needed.

		Stop R	lead		
	Stop	and L	oad Ta	gs	0
Pri	nt Add	litional	and N	lissin	g

After reviewing the list, click **Close and Load Tags** to close the window and process the tags from the list.

Close and Load Tags	0

Stop and Load Tags

This option stops the reader, immediately closes the reader window and loads the tags into the scanned list in Rentalpoint.

If the configuration allows for a mobile reader only, the reader window will open and be ready to accept tags immediately with no initialization period.

RFID in RentalPoint

8					Reader : 3190					~
Start Reading Tags Re:	ader Responses									
Booking : ABCC000 Show : West Spring	0100001 g Convention			Clear	Remove Selected	Man	age Excluded	DEMO MODE		
# of Items on Booking	3		#	Barcode	RFID		Description	Show	Booking	Lc
	4		1 2	PM7886 AM1000	000000000000000000000000000000000000000	99495 99555	Powered Monitor Audio Mixer 9928	Speaker West Spring Convention -988 West Spring Convention	ABCC000100001 ABCC000100001	
# of RFID Tags	RFID Tags Read	Remaining RFID								
4	2	2								
Stop Re Stop and Lo	ead Dad Tags 🛛 😜									
Print Additional	and Missing									
Legend										
Tag not on booking Tag from different loc	cation		<							
 Tag on booking, no warr 	nings				Mobile reader	input				x

The cursor needs to be placed in the mobile reader input box in order for the tags to be processed. If focus is lost, a warning beep will sound and the box will be displayed in red.

Mobile reader input		X
	~	

Click the red X next to the box if you wish to stop accepting tags from the reader temporarily. Click the green check mark to start accepting tags from the reader again.

If both fixed and mobile readers are in use, the steps for the fixed reader will be followed at first then the mobile reader input will become available after the initialization period is complete.



Print / Show Remaining assets

Checkout

Two buttons above the 'Equipment to be barcode scanned' grid will allow the grid to be printed or viewed in a pop-up window to view more equipment and could be placed on a secondary monitor.

1		Checkout equ	ipment, booking: SETTLE0(
Enter Barcode	s Scanner Sessions	Current Session	Equipment Out
quipment to b	e bar code scanned in th	🖶 🗖 Equip	
roduct Code	Description		Qıy Qıy: Produ

The pop up window displays the type of the product (barcoded only or RFID tagged) in the far left of the grid. Items can be filtered to show a certain group and/or barcoded or RFID only.

RP			1	I	X				
Туре	Product Code	Description /	Qty	Qty Scanned This Session	Group				
п	MIC2	mic2	3	0	SOUND EQUIPMENT				
	CHAIR	Blue Chairs	2	0	Furniture				
н	RTABLE	tables - round	2 0		Furniture				
	RC	Road case	1	0	Road cases				
	TEMPS	Temporary Shed	1	0	Sheds				
н.	MON	Monitor 25"	10	0	Video Equipment				
Disp	Import Import Import Import Import Display Group Import Import @ All Asset Tracked © Barcode Only O RFID Only								

The print feature will print the unscanned assets with a separate group on each page. It can also be sent to csv and saved. Printing the report from the grid will allow the filter to be applied to the report.



Return / Open return

The return windows also have the option to display remaining equipment. In this case the window also displays the barcode and RFID # to be scanned as well as the type.

Return window

Open return window

						Open Return	to location :1 - 0	Office	
	Return E	quipme	nt, Booking : Sl	TTLE00079 to Loca	tings being r	eturned			
Scanner	Sessions Current Ses	ssion				Booking#	Error	Qty	
rcode\RFID)			Equipment returi					
Barcode	Description		R	Barcode					
				🕅 Delete					
				Delete					
				Equipment retur					
				Product Code X					
	r								
c									
rnings					e	Open Report Folder	Show Remai	ining/Errors 🖶 Print	Remaini
rors and di	isplav list after return	nas cius	-ci	+					

لعال	списк-у и	DUE CIIIIS	N			
RP			Remaining asset	S		- 🗆 ×
RFID Tag	Barcode	Description /		Error/Status	Booking	Group
0000000000000000MIC2A-1	MIC2A-1	mic2		Not Scanned	SETTLE00079	SOUND EQUIPMENT
0000000000000000MIC2A-2	MIC2A-2	mic2		Not Scanned	SETTLE00079	SOUND EQUIPMENT
	MIC2A4	III mic2		Not Scanned	SETTLE00079	SOUND EQUIPMENT
0000000000999025	ASSET11	Blue Chairs		Not Scanned	SETTLE00079	Furniture
00000000000999026	ASSET12	Blue Chairs		Not Scanned	SETTLE00079	Furniture
0000000000999059	TABLE-1	tables - round		Not Scanned	SETTLE00079	Furniture
0000000000000000TABLE-10	TABLE-10	tables - round		Not Scanned	SETTLE00079	Furniture
00000000000999051	RC1-AAA1	Road case		Not Scanned	SETTLE00079	Road cases
00000000000000000007777	7777	Temporary Shed		Not Scanned	SETTLE00079	Sheds
00000000000999074	MON2	Monitor 25"		Not Scanned	SETTLE00079	Video Equipment
00000000000999076	MON4	Monitor 25"		Not Scanned	SETTLE00079	Video Equipment
00000000000999077	MON5	Monitor 25"		Not Scanned	SETTLE00079	Video Equipment
·						
O Bar O Bar	code Only ORFID C	Inly All		Booking V All	~	🖶 Print



The report will page break for each product group so the pages can be handed off to the department responsible for that equipment type.

RP		Report Display			_ 🗆 🗙
First ← Page	Page→ Last→ Pag	e : 2 of 5 📰 Go To	Print P	@ <u>E</u> mail	<u>I</u> L <u>C</u> lose
					^
Frinted : 10/18/17	Retu	rn equirment remaining/er	rors (Barcoded and]	RFID only)	
at 10:7 BCCKING NC : SETTL	E00079 Group : Furniture				
Type Barcode	Description	Status		Asset location	
RF ASSET11	Blue Chairs			1 - Office	
RF ASSET12	Blue Chairs			1 - Office	
RF TABLE-1	tables - round			1 - Office	
RF TABLE-10	tables - round			2 - City	
-					

6.Custom documents

An insert field for custom rtf documents is available to show the equipment that has only a barcode and ones that have rfid tags.

&RFIDBCC:2&

The field will work with booking hardcopy/pull sheet/pick list documents as well as packing lists, collection dockets and return receipts.

Products that have rfid tags on all assets (booking hardcopy documents) will display **RF** in the field while products that have barcodes only or do not yet have rfid tags on all assets will show **BC**. Non-tracked equipment will show a blank space in the fields.



7. TroubleShooting PHP Manager Install

1. PHP Manager for IIS failed to install

latform Installer 5.1			
REREQUISITES	INSTALL	CONFIGURE	FINIS
We're sorry. The follo PHP Manager for IIS This product did not install been tampered with	owing products have fail successfully: Downloaded file f	ed to install. ailed signature verification and may have	<u>Get H</u> e
Web Platform Installer 5.1 L	og		view log ne
	Platform Installer 5.1 REREQUISITES We're sorry. The follo PHP Manager for IIS This product did not install been tampered with Web Platform Installer 5.1 L	Platform Installer 5.1 REREQUISITES INSTALL We're sorry. The following products have fail PHP Manager for IIS This product did not install successfully: Downloaded file f been tampered with Web Platform Installer 5.1 Log	Platform Installer 5.1 REREQUISITES INSTALL CONFIGURE We're sorry. The following products have failed to install. PHP Manager for IIS This product did not install successfully: Downloaded file failed signature verification and may have been tampered with Web Platform Installer 5.1 Log

First download and unpack PHP from the following site:

~	\rightarrow	G	🗎 php	o.net/dow	nloads.php				
					php	Downloads	Documentation	Get Involved	Help
									<u>Pi</u>
					Current	t Stable PHP	7.3.8 (Changelo	og)	
				[<u>php-7</u>. sha256 <u>php-7</u>. sha256 <u>php-7</u>. sha256 <u>Windo</u> 	3.8.tar.bz2 (sig) x d566c630175d9 3.8.tar.gz (sig) [x 31af3eff3337 3.8.tar.xz (sig) [x f6046b2ae6256 ws downloads	[14,589Kb] 9fa84a98d3c9170ec 19,101Kb] fb70733c9b02a3444 11,782Kb] d8c04310bda0737ac	033069e9e20c8d2 c3dae662ecab20a 660dc5563a8e046	23dea49ae2a976b6c76f5 aeec7fdc3c42e22071490 e8a46c1ee24ea414ad5a5
					GPG Keys	for PHP 7.3			

Download and unpack PHP: <u>https://www.php.net/downloads.php</u>



PECL For Windows

PECL extensions for Windows is being worked on. Windows DLL can be downloaded right from the PECL website.

The PECL extension <u>release</u> and <u>snapshot</u> build directories are browsable directly.

Which version do I choose?

<u>IIS</u>

If you are using PHP as FastCGI with IIS you should use the Non-Thread Safe (NTS) versions of PHP.

<u>Apache</u>

Please use the Apache builds provided by <u>Apache Lounge</u>. They provide VC14, VC15 and VS16 builds of Apache for x86 and x64. We use their binaries to build the Apache SAPIs.

With Apache you have to use the Thread Safe (TS) versions of PHP.

VC14, VC15 & VS16

More recent versions of PHP are built with VC14, VC15 or VS16 (Visual Studio 2015, 2017 or 2019 compiler respectively) and include improvements in performance and stability.

- The VC14, VC15 and VS16 builds require to have the Visual C++ Redistributable for Visual Studio 2015-2019 $\underline{x64}$ or $\underline{x86}$ installed

TO 1170

PHP 7.3 (7.3.8)

Download source code [26.89MB]

Download tests package (phpt) [14.17MB]

VC15 x64 Non Thread Safe (2019-Jul-30 16:05:44)

<u>Zip</u> [24.4MB]

sha256: 19898b2c0f60e022a9567b6ff916e20881ac8907051f116915a55bc419ae64be

- <u>Debug Pack</u> [22.99MB]
 sha256: de29e42a9605b4f8935cb1d76fdbbc90850847f7f601bb1cbdf9fd24ed08bac1
- <u>Development package (SDK to develop PHP extensions</u>) [1.24MB] sha256: 19428bcd80cd98f4bc03d57ad7d584aedd6bd28d37eb97662bbe0a96f82612fc

VC15 x64 Thread Safe (2019-Jul-30 16:05:58)

- Zip [24.53MB] sha256: 9b9339010e8bbbf4b0945cc196ed4679971462695bc622ab097e1bc0ee117fba
- <u>Debug Pack</u> [23.09MB]
 sha256: 6b76a912bd5296386331cdb1d7014753fc2fc08b486e5b09c7a2a9bc691e9fdb
- <u>Development package (SDK to develop PHP extensions</u>) [1.25MB] sha256: 71832cd52bee6f1ca67ac548216b3cfff6cd3c355982a84d7d36862933fd8389



Extract the zip to C:\bin\php

Ν

Ρ

🖕 L

📕 V.

php php.exe

php php-cgi.exe

php phpdbg.exe

php php-win.exe



Application

Application

Application

125 KB

69 KB

296 KB

37 KB

13/08/2019 4:43 PM

13/08/2019 4:43 PM

13/08/2019 4:43 PM

13/08/2019 4:43 PM Application



Download and install PHP driver and ODBC driver

https://docs.microsoft.com/en-us/sql/connect/php/system-requirements-for-the-php-sql-driver?view=sql-server-2017

1. Download PHP driver 5.6 (or higher)

System Requirements for the Microsol PHP for SQL Server

02/10/2019 • 8 minutes to read • 📵 🛞 🗒 🐉 +3

Download PHP Driver

This document lists the components that must be installed on your system to access data in a SQI using the Microsoft Drivers for PHP for SQL Server.

Versions 3.1 and later of the Microsoft PHP Drivers for SQL Server are officially supported. For full requirements including earlier versions of the PHP drivers, see the <u>support matrix</u>.

PHP

For information about how to download and install the latest stable PHP binaries, see <u>the PHP we</u> for SQL Server require the following versions of PHP:

PHP for SQL Server driver version →					
1 PHP version	5.6	5.3	5.2	4.3	



Download the ivilcrosott L Server

02/10/2019 • 2 minutes to read • 🔀 🎲 🧔 🔮

Download PHP Driver

Windows

The following versions of the drivers for PHP on Windows are available

Microsoft Drivers 5.6 for PHP for SQL Server
 Microsoft Drivers 5.3 for PHP for SQL Server
 Microsoft Drivers 5.2 for PHP for SQL Server
 Microsoft Drivers 4.3 for PHP for SQL Server
 Microsoft Drivers 4.0, 3.2, 3.1, and 3.0 for PHP for SQL Serv
SQLSRV561
Microsoft Drivers 5.6 for PHP for SQL 🗕 🗖 🗙
Please type the location where you want to place the extracted files.
C:\bin\php\ext Browse
OK Cancel

Extract and install to C:\bin\php\ext

RFID in RentalPoint

PHP

For information about how to download and install the latest stable PHP binaries, see <u>the PHP web site</u>. The Microsoft Drivers for PHP for SQL Server require the following versions of PHP:

PHP for SQL Server driver v ↓ PHP version	rersion → 5.6	5.3	5.2	4.3	4.0	3.2	3.1
7.3	7.3.0+						
7.2	7.2+ ¹	7.2+ ¹	7.2+ ¹				
7.1	7.1.0+	7.1.0+	7.1.0+	7.1.0+			
7.0		7.0.0+	7.0.0+	7.0.0+	7.0.0+		
5.6						5.6.4+	
5.5	If you installed PHP 7.3,	you can use o	only version 5	.6		5.5.16+	5.5.16+
5.4						5.4.32	5.4.32

SQL Server

Azure SQL Databases are supported. For information, see Connecting to Microsoft Azure SQL Database.

PHP for SQL Server driver ↓ SQL Server version	version →	5.6	5.3	5.2	4.3	4.0	3.2	3.1	
Azure SQL Database		Y	Y	Y	Y				
Azure SQL Managed Instance	2	Y	Υ	Υ	Y				
Azure SQL Data Warehouse		Υ	Υ	Υ	Υ				
SQL Server 2017		Υ	Υ	Y	Y				
SQL Server 2016		Y	Y	Y	Y	Y			
SQL Server 2014		Υ	Y	Y	Y	Y	Υ	Υ	
SQL Server 2012		Y	Y	Y	Y	Y	Y	Y	
SQL Server 2008 R2		Υ	Υ	Y	Y	Y	Υ	Υ	
SQL Server 2008	If you choose 5.6 version, you	an use only	SQL Server	2008 R2 and	higher :	Y	Y	Y	



2. On the same page download the ODBC Driver

ODBC Driver

The correct version of the Microsoft ODBC Driver for SQL Server is required on the computer on which PHP is running. You can download all supported versions of the driver for supported platforms or this page.

If you are downloading the Windows version of the driver on a 64-bit version of Windows, the ODBC 64-bit installer installs both 32-bit and 64-bit ODBC drivers. If you use a 32-bit version of Windows, use the ODBC x86 installer. On non-Windows platforms, only 64-bit versions of the driver are available.

PHP for SQL Server driver version → ↓ ODBC Driver version	5.6	5.3	5.2	4.3	4.0	3.2	3.1
ODBC Driver 17+	Y	Y	Y				
ODBC Driver 13.1	Y	Y	Y	Y	Y		
ODBC Driver 13					Y		
ODBC Driver 11	Y	Y	Y	Y	Y	Y	Y

If you are using the SQLSRV driver, <u>sqlsrv_client_info</u> returns information about which version of SQL Server Microsoft ODBC Driver for SQL Server is being used by the Microsoft Drivers for PHP for SQL Server. If you are using the PDO_SQLSRV driver, you can use <u>PDO::getAttribute</u> to discover the version.

Download ODBC Driver for SQL Server

2018-03-12 • 2 minutes to read • 📵 😷 🥨 🎡 🚳 +1

Microsoft ODBC Driver 17 for SQL Server

Windows

• Download the Microsoft ODBC Driver 17 for SQL Server on Windows

Linux and macOS

Download and install PHP manager

https://github.com/edgardo001/PHPManagerForIIS-Versiones



Join GitHub today	Dismiss
GitHub is home to over 40 million developers working together to host and review code, manage projects, and build software together.	
Sign up	

PHPManagerForIIS-1.2.0-x64 - IIS 7.msi

5 commits	ဖို 1 branch	𝔝 0 releases	🤽 1 contributor
Branch: master			Find File Clone or download -
🕵 edgardo001 Update README.md			Latest commit b42923a on Jul 31, 2018
PHPManagerForIIS-1.2.0-x64 - IIS 7.msi		first commit	2 years ago
PHPManagerForIIS-1.2.0-x86 - IIS 7.msi		first commit	2 years ago
PHPManagerForIIS-1.3.0-x64 - IIS 8.msi		first commit	2 years ago
PHPManagerForIIS-1.4.0-x64 - IIS 10.msi		first commit	2 years ago
README.md		Update README.md	last year



Double click the downloaded file to install



Open IIS Manager -> PHP manager





Configure PHP in PHP Manager



Use this feature to check the PHP runtime settings, to configure PHP runtime directives and to enable or disable PHP

X	PHP Setup	
	Not optimal PHP configuration	detected on this machine. <u>View recommendations.</u>
	PHP version:	5.6.31
	PHP executable:	C:\Program Files (x86)\PHP\v5.6\php-cgi.exe
	Handler mapping:	Local
	Register new PHP version Change P	HP version Check phpinfo()



	Register new P	PHP version	? ×
Provide a path to the	php executable file (php-	cgi.exe):	
C:\bin\php\php-cgi.	exe		
Example: C:\PHP\ph	p-cgi.exe		
		OK	
		OK	Cancel