



### Installation Guide Version 6, Created January 28, 2020



# **ABOUT THIS GUIDE**

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## **REVISION HISTORY**

This section contains a list of any significant changes that were made from the previously published version of this Guide, including a brief description of the change, the type of change made (i.e. Revision, New, or Deletion), a link to the location in the Guide where the change occurred, and any pertinent details relating to the change.

CHANGE	TYPE	LOCATION IN GUIDE	DETAIL
Updated section	Revision	ABOUT THIS GUIDE and page footers throughout document.	Updated copyright information.
Updated section	Revision	<u>REQUIREMENTS</u>	Removed mention alluding to the use of Port 80 as a requirement. Any port can be used for wbSCAN (non-secure connections only).
Updated section	Revision	INSTALL & CONFIGURE THE WBSCAN SERVICE	Changed Step 1 in the procedure to generalize the port selected for wbSCAN. Selected port does NOT have to be port 80 (unsecure connections only).

### About This Guide

CHANGE	TYPE	LOCATION IN GUIDE	DETAIL
Updated section	Revision	Was: "Determine What Process is Monitoring Port 80" Now: <u>DETERMINE WHAT</u> <u>PROCESS IS MONITORING</u> <u>PORT</u>	Changed section title to encompass any port being used.
Updated section	Revision	DETERMINE WHAT PROCESS IS MONITORING PORT	Changed section to encompass any port being used.

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# **BEFORE YOU BEGIN**

### SYMBOLS YOU SHOULD KNOW

The following symbols appear throughout this document:



Where displayed, this Attention icon is intended to make the reader take special notice as the information provided is critical in nature to the subject matter at hand. It is not intended to lessen the importance of the information provided with the Information icon noted above; but to bring additional attention in situations of extreme necessity.



I

Where displayed, this Troubleshooting icon denotes helpful hints and tips for the subject matter at hand. The information in the troubleshooting tip is intended to provide helpful hints and resolutions for some of the more common issues that can occur during operation.

## PURPOSE

The purpose of this Guide is to provide installation instructions for wbSCAN<sup>™</sup> for use as a quality assurance/verification tool to avoid costly assessments, and in conjunction with DAT-MAIL<sup>™</sup>'s Multi-Carrier Trailer Manifesting. User instructions are provided in the <u>wbSCAN User Guide</u>.

## INTRODUCTION

wbSCAN expands DAT-MAIL's reach to our Client's shop floor. This is a light-weight webserver that allows the browser on network connected handhelds, tablets, and desktop computers to interact with their DAT-MAIL data in real time. Current functions include:

- Remotely trigger PostalOne!<sup>®</sup> payments for activated pallets using "Scan2Pay";
- Real-time trailer manifesting with LSC Logistics via the DIME<sup>™</sup> interface;
- Alert if mailer attempt to add an origin pallet to a consolidation center manifest;
- Pallet warehouse inventory control;

#### **Before You Begin**

- Mail production visibility and metrics;
- Automating DAT-MAIL back office functions like paying for postage and changing piece weights;
- Quality assurance to avoid assessments, particularly nesting errors and undocumented pieces; and
- Improving shop floor productivity by providing tray tag and pallet placard reprinting functions..

## REQUIREMENTS

The requirements for installing wbSCAN are dependent on how wbSCAN is being used. wbSCAN can be used for quality assurance/verification purposes only. Mailers can also use wbSCAN in conjunction with the Multi-Carrier Trailer Manifesting function provided in DAT-MAIL. The table below provides information on what requirements are necessary for one or both use types.

	wbSCA	N USE
REQUIREMENTS	Quality Assurance / Verification	Multi- Carrier Trailer Manifesting
SERVER		
Installation of wbSCAN must occur on the same server where the DAT-MAIL program files reside (i.e. not on a workstation or a data server).  The wbSCAN service <u>cannot</u> be executed on more than one computer.	х	х
DAT-MAIL software version 21.19.08.13 (or newer) must be installed.	х	х
The DAT-MAIL software must be registered using a wbSCAN-specific registration key.	х	х
The DAT-MAIL/wbSCAN server must have a static IP address.	х	х
Adequate machine memory to support sessions for each device that will simultaneously access the service.	х	х
No other web server listening to the port selected for wbSCAN use (e.g. Port 80, or 443 – secure installations) on the DAT-MAIL server.	х	х
The port selected for wbSCAN use must be open to traffic originating on the network.	х	х
Wireless router for the shop floor (if using wireless devices)	Х	х

	wbSCA	N USE
REQUIREMENTS	Quality Assurance / Verification	Multi- Carrier Trailer Manifesting
SERVER (continued)		0
The following must be completed in DAT-MAIL before using wbSCAN: Carrier and Distribution Lists must be added, and the necessary settings completed in the Setup screen's Logistics tab for Non-LSC and/or LSC Users. Refer to the " <u>Multi-Carrier Trailer</u> <u>Manifesting Setup &amp; User Guide</u> "; specifically, the "Getting Started" section for instructions.		Х
Installation of the most recently published version of the Automation Scheduler™ with Auto Postal Updates plug-in (refer to <u>OTHER COMPONENT INSTALLATION</u> for more information).		х
AWAM <sup>™</sup> must be activated (requires an AWAM registration key) and set up in DAT-MAIL for Scan2Pay users incorporating automation into their workflow.		х
wbSCAN's Scan2Pay must be enabled and set up in DAT-MAIL.		х
For Scan2Pay users fully automating the postage payment process, PostalWeb Connector™ must be installed (requires a PostalWeb registration key) and configured for uploading Mail.dat files to <i>PostalOne!</i> . This also requires additional setup in DAT-MAIL.		х
SCANNING DEVICES		
PC's and Tablets using USB wired or Bluetooth "wedge" scanners (such as the Socket <sup>®</sup> Mobile Durascan D700).	х	х
<ul> <li>Wireless devices – includes but is not limited to, most Windows® CE industrial devices with "keyboard wedge" browser functionality. These devices can be purchased new, refurbished or used:</li> <li>~ ZEBRA™ TC-51 or TC-56;</li> </ul>	x	x
<ul> <li>MOTOROLA™ models MC9090G; MC9200, MC9190, MC55A0; and</li> </ul>		
~ Intermec <sup>®</sup> CK5.		
Smart Phones: iOS <sup>®</sup> and Android <sup>™</sup> devices require the Scandit <sup>®</sup> Keyboard Wedge app (inquire for details) or the <u>Socket<sup>®</sup> Mobile</u> <u>Durascan D700</u> , and a hardened case and extended battery are strongly recommended.	х	х

### Other Software Documentation

Additional installation and/or setup of additional Window Book products called out in the table above is required for using many of the wbSCAN functions associated with Multi-Carrier Trailer Manifesting. Links to the product document for each are provided below.

- The "<u>Multi-Carrier Trailer Manifesting Setup & User Guide</u>"; specifically, the "Getting Started" section (REQUIRED).
- The "<u>AWAM Setup Guide</u>" (necessary for using Scan2Pay with automation).
- The "<u>AWAM User Guide</u>" (helpful for information on how AWAM works).
- The "<u>PostalWeb Connector Installation & User Guide</u>" (necessary for use with Scan2Pay <u>if</u> submitting Mail.dat files to *PostalOne!* for total automation).
- The "<u>DAT-MAIL MSSQL Installation & Update Guide</u>"; specifically, the "Getting Started in DAT-MAIL" and "Enabling the Automatic Upload Of Files To PostalOne! In DAT-MAIL" sections (necessary for use with Scan2Pay <u>if</u> submitting Mail.dat files to *PostalOne!* for total automation).

Additional information pertaining to the installation of other software components and setup/configuration information is provided under <u>OTHER COMPONENT INSTALLATION</u> and <u>ADDITIONAL SETUP</u>, respectively.

# INSTALLATION

Make sure to read and fulfill the requirements for installing/using wbSCAN <u>before</u> beginning the installation process. Refer to <u>REQUIREMENTS</u> in this Guide for more information.

wbSCAN runs as an "unsecure" application by default. To run it as a "secure" application, <u>contact</u> Window Book.

This document assumes that DAT-MAIL has already been installed and configured for use.

## **INSTALL & CONFIGURE THE WBSCAN SERVICE**

The installation and configuration of the wbSCAN service is the same no matter how wbSCAN is intended to be used – either for quality assurance/verification purposes or as part of Multi-Carrier Trailer Manifesting.

To install the wbSCAN service, perform the following:

- Check to make sure some other service is not already listening on the port intended for wbSCAN (e.g. port 80). For example, if there is already another webserver installed (e.g. IIS), this may already be happening. If so, the port that wbSCAN listens to might require changing.
  - A. Using Windows<sup>®</sup> Explorer, navigate to the '...\WB\MDV\' folder on the DAT-MAIL server. Locate the "DMScanSvc" application file. Right-click on the file and select 'Run as Administrator';

	ocal Disk (C)			•	Search MD	E	- 0	×
So tomput te	ocar princ (or)			•	· · · · · · · · · · · · · · · · · · ·	•		~
Organize 🔻 📓 Open 🛛 N	lew folder					III •		0
Computer	^ _	Name	Date modified	Туре Аррисации елень	Size س۲ دەۋرد			*
A Local Disk (C)		M DMScanSvc	7/18/2018 5:55 PM	Application	9 Y CK C			
Perflogs		IN CONTROL INCOME	7/18/2018 5:55 PM	Application	Open		_	
Program Files		🚳 domrateslib708.dll	7/18/2018 5:55 PM	Application 😽 😵	Run as administ	rator		
Program Files (x86)		🚳 domstatementrates707.dll	7/18/2018 5:55 PM	Application ex	Houpleshood.co	mpacomy	_	
Temp		DSCRT40.DLL	10/18/2016 2:19 PM	Application ex 🚮	Scan with Micro	soft Security Ess	entials	
Ilters		🚳 DSFLS707.dll	7/18/2018 5:55 PM	Application ex	Pin to Taskbar			
W/B		🚳 DSLUP707.dll	7/18/2018 5:55 PM	Application ex	Pin to Start Men	u		
		🔊 dsmo707 dll	7/18/2018 5-55 PM	Application ev	Restore previous	versions		

B. When running the application for the first time, a *Windows Security Alert* may display. If not already checked, enable (i.e. check) the option to allow DMScanSvc to communicate on Private Networks and Public Networks. Click the **Allow Access** button to continue;

Windo app	ws Defenc	ler Firewall has blocked some features of this	
Windows Defender networks.	Frewall has bl	ocked some features of DMScanSvc on all public and private	
24	Name:	DMScanSvc	
	Publisher:	WindowBook, Inc	
	Path:	C:\wb\mdv\dmscansvc.exe	
Allow DMScanSvc t	o communicate	on these networks:	
Private netv	vorks, such as n	iy home or work network	
Public netwo because the	rks, such as th se networks of	ose in airports and coffee shops (not recommended ten have little or no security)	
What are the risks	of allowing an a	pp through a firewall?	

C. The *DAT-MAIL Scan web server* // *Insecure Port=NN* will display (e.g. port 80). If no errors are reported, click the **Close** button and proceed to Step 2 below.

g	Performa	ince					
IP A	ddress	Socket	Thread	Date	Time	Description	
80		0	0	7/24/2018	16:36:17	Listening On IP Port: 80	
Lo	g: No ® S	creen	Scree	n & Disk	Clear	Ban	

This screen should <u>not</u> contain any errors; particularly, 'Error 10048'. Example:

g Perform	ance					
IP Address	Socket	Thread	Date	Time	Description	,
80	0	0	6/15/2018	9:50:26	ERROR: 10048 Unable to Listen on TCP Port 80	
80	0	0	6/15/2018	9:50:26	Listening On IP Port: 80	
80	0	0	6/15/2018	9:50:21	ERROR: 10048 Unable to Listen on TCP Port 80	
80	0	0	6/15/2018	9:50:21	Listening On IP Port: 80	
80	0	0	6/15/2018	9:50:16	ERROR: 10048 Unable to Listen on TCP Port 80	
80	0	0	6/15/2018	9:50:16	Listening On IP Port: 80	

The most common source for this error (if it does display), is that 'DMScanSvc' is already installed as a service and is running. Navigating to 'Services' via the Control Panel > Administrative Tools, and stop the service, the errors will stop.

If a problem is being reported and it is not the problem noted above, <u>contact Window Book</u>.

- 2. Install the DMScanSvc, service.
  - A. <u>As an administrator</u>, go to a command prompt on the server where DAT-MAIL's product files are installed (not the data server);
  - B. Type in, "cd \wb\mdv" (no quotation marks and a single, blank space between "d" and "\") on the drive DAT-MAIL is installed on; and

 ${f \hat U}$  In the screen image below, DAT-MAIL is installed on the "C" drive. This can vary by Client.

C. Then type, "DMScanSvc /iss" (no quotation marks and a single, blank space between "c" and "/") and press **ENTER** on the keyboard. No confirmation will display on the screen when the service is installed.



#### Installation

 $\overset{}{\times}$  If the log on credentials used on the server do not have administrator rights, the following error will display. Click the OK button to resolve the dialog and log on to the server using administrator credentials. Repeat Step 2 in it's entirety.

Window	Book Dat-Mail Scan web server Service
1	Service could not be started, as it failed to Install. DMScanSvc Service failed to install. Can't create service entry. No Service Control Manager available. Error = Access is denied. (5) Check your security access rights. Name = [DMScanSvc] DisplayName = [Window Book Dat-Mail Scan web server] Executable = ["C:\WB\MDV\DMScanSvc.exe"]
	OK

- 3. Change the DMScanSvc login.
  - A. On the server, launch 'Services' from the Control Panel;
  - B. Locate the "Window Book wbSCAN service" in the list. Right-click on the service and select 'Properties';

Services					• 🗙
File Action View	Help				
	2 🗟 🚺 🗊 🕨 🔲 🕪				
🔍 Services (Local)	Services (Local)				
	Window Book wbSCAN service	Name	Description	Status	Startu *
		🔍 VMware Tools	Provides su	Started	Autor
	Start the service	🔍 Volume Shadow Copy	Manages an		Manu
		🔍 WebClient	Enables Win		Manu
	Description:	🔍 Window Book Dat-Mail Database	Processes hi	Started	Autor
	Web server for wbSCAN application	🧠 Window Book DM Import Daemon Service	e		Manu
		Children Book MailBrop Engine 8 Nice	MailDrop E		Autor
		🥵 Window Book wbSCAN service 🛛 🔛	Web tenzer		Autor
		Ser Ser	Start		Manu
		🧠 Windows Audio	Stop	orted	Autor
		🧠 Windows Audio Endpoint Builder	Pause	arted	Autor
		🔍 Windows Backup	Resume		Manu
		🔍 Windows Biometric Service	Destast		Manu
		🧠 Windows CardSpace	rvescarc		Manu
		🧠 Windows Color System	All Tasks	<b>F</b>	Manu
		🔍 Windows Connect Now - Config Regi	D.C.A		Manu
		🧠 Windows Defender	Refresh		Manu
		🧠 Windows Driver Foundation - User-m	Properties		Manu≡
		🧠 Windows Error Reporting Service 🛛 💾		_	Manu
		🔍 Windows Event Collector	Help		Manu
		🔍 Windows Event Log	This service	Started	Autor

C. Select the 'Log On' tab and then the option 'This account'. Enter the login and password the Client will be using for the "Window Book Dat-Mail Scan web server", service;

Log on as:		
Local System accou           Allow service to i	nt nteract with desktop	
Ihis account:	vmuser	Browse
Password:	•••••	
<u>Confirm</u> password:	•••••	
Help me configure user	account log on options.	

D. Select the 'Recovery' tab and set the three failure actions to "Restart the Service".

In addition, make sure the "Restart services after" option is set to 0 minutes.

When finished, click the **Apply** button;

Window Book Dat-Mail Scan v	veb server P	roperties (Local Computer) 🔜			
General Login Recovery	Dependenc	ies			
Select the computer's respons actions.	e if this servic	e fails. <u>Help me set up recovery</u>			
Eirst failure:	Restart the	Service 👻			
Second failure:	Restart the	Service 👻			
Subsequent failures:	Restart the	Service 👻			
Reset fail count after:	0	days			
Restart ser <u>v</u> ice after: 0 minutes					
Enable actions for stops wi	ith errors.	Bestart Computer Options			
Program:		Browse			
Command line parameters:					
Appand fail count to end of command line (/iail=%1%)					
	OK	Cancel Apply			

E. A Services dialog will display. Click the **OK** button to resolve the dialog;



#### Installation

F. Select the 'General' tab. Click the **Stop** button to stop the service. Once the service is stopped, click the **Start** button and make sure there are no errors returned. Click the **OK** button when finished.

Window Book Dat-Mail Scan web server Properties (Local Computer)	Window Book Dat-Mail Scan web server Properties (Local Computer) 📧
General Log On Recovery Dependencies	General Log On Recovery Dependencies
Service name: DMScanSvc	Service name: DMScanSvc
Display name: Window Book Dat-Mail Scan web server	Display name: Window Book Dat-Mail Scan web server
Description: Web server for Dat-Mail Scan	Description: Web server for Dat-Mail Scan
Path to executable: "C:\WB\MDV\DMScanSvc.exe"	Path to executable: "C:\WB\MDV\DMScanSvc.exe"
Startup typg: Automatic 🔹	Startup typg: Automatic 🔹
Help me configure service startup options,	Help me configure service startup options,
Service status: Started	Service status: Stopped
Start Stop Pause Besume	Statt Stop Pause Besume
You can specify the start parameters that apply when you start the service from here.	You can specify the start parameters that apply when you start the service from here.
Start parameters:	Start parameters:
OK Cancel Apply	OK Cancel Apply

- 4. Test wbSCAN.
  - A. Open a web browser (use Chrome if it is available);
  - B. Enter "127.0.0.1" (no quotation marks) as the web address;
  - C. The wbSCAN user interface (UI) will display. Click the Login button;



*If the following message displays after attempting to login to wbSCAN, the key DAT-MAIL is registered with does not include rights to wbSCAN. <u>Contact Window Book Client Services</u> to obtain an appropriate registration key.* 

₩2 wbsCAN × +	- 🗆 ×
$\leftrightarrow \rightarrow \mathbb{C}$ (© 127.0.0.1/IndexPage	☆ 😩 🗄
M SCAN	
wbSCAN web application Your current DAT-MAIL registration is not authorized to access wbScan.	

D. Enter the login credentials as dictated by the Security function in DAT-MAIL, i.e. Login = ADMIN, password = ADMIN. Click the **Login** button.

- Login	
Login: Password:	
🗸 Login	

Clients can control who gains access to their wbSCAN application through the 'Security' function in DAT-MAIL. This also includes changing the default "ADMIN" login credentials. Refer to the <u>DAT-MAIL Security User Guide</u> for more information.

wbSCAN's main or home screen will display.



#### Installation

- 5. Determine the private IP address of the server.
  - A. On the server, launch a command prompt;
  - B. Type IPCONFIG and press ENTER on the keyboard; and
  - C. Write down the IPv4 IP address.

C:\Windows\system32\cmd.exe	
Hicrosoft Vindows [Version 6.1.7601] Copyright <c> 2009 Microsoft Corporation. All rights reserved.</c>	â
C:\Users\UMUser.WINDOWBOOK>IPCONFIG	
Windows IP Configuration	
Ethernet adapter Local Area Connection:	
Connection-specific DNS Suffix . : windowbook.local	
IPv4 Address	
Default Gateway : 10.45.99.250	
Tunnel adapter isatap.windowbook.local:	
Media State : Media disconnected Connection-specific DNS Suffix . : windowbook.local	
C:\Users\UMUser.WINDOWBOOK>_	
	-

- 6. Access wbSCAN from a network device.
  - A. On a network device, open a web browser (Window Book recommends using Chrome if it is available);
  - B. Enter the IPv4 IP address from Step 5 above as the web address; and
  - C. Bookmark this in the browser as "wbSCAN".

For mailers using wbSCAN for quality assurance/verification purposes only, the installation and setup of wbSCAN is complete. For user instructions, refer to the "<u>wbSCAN User Guide</u>".

### **OTHER COMPONENT INSTALLATION**

wbSCAN relies on other Window Book software components to have access to certain data and be able to perform certain tasks when using it in conjunction with Multi-Carrier Trailer Manifesting. Information pertaining to the installation of these software components is documented in this section. Setup and/or configuration information is provided under <u>ADDITIONAL SETUP</u>.

### **Automation Scheduler**

The Automation Scheduler with the Auto Postal Updates plug-in is required for downloading and updating Facility data. This data is necessary to be able to display/select Entry Points when creating and defining manifests for Direct Trailers.

Refer to the "<u>Automation Scheduler System Guide</u>" for installation instructions. Information for configuring the Auto Postal Updates Plug-in is provided under <u>AUTOMATION SCHEDULER</u> in the <u>ADDITIONAL SETUP</u> section in this Guide.

Installation should occur on the same machine that the wbSCAN service is installed on.

For many DAT-MAIL Clients, the Automation Scheduler and the Auto Postal Update plug-in is already installed/configured. If this is the case, wbSCAN Clients can skip this step of the wbSCAN installation process.



#### Installation

### AWAM

AWAM is necessary for mailers who intend to use wbSCAN's 'Scan2Pay' function and intend to either partially or fully automate the process. To be able to use AWAM, it must be registered and activated in DAT-MAIL on the server where DAT-MAIL and wbSCAN are installed. For instructions on how to register and activate AWAM refer to the "<u>AWAM Setup Guide</u>".

Refer to <u>Scan2Pay & Paying Postage</u> for information pertaining to any necessary setup in AWAM for Scan2Pay.

### PostalWeb Connector

PostalWeb Connector is necessary for mailers who intend to use wbSCAN's 'Scan2Pay' function and intend on fully automating the process by using the software to automatically upload Mail.dat files to *PostalOne!*.

To be able to do this, PostalWeb Connector must be installed and registered on the same server where DAT-MAIL and wbSCAN are installed. For instructions on how to install and register PostalWeb Connector, refer to the "PostalWeb Connector Installation & User Guide".

**Refer to <u>POSTALWEB CONNECTOR</u>** under <u>ADDITIONAL SETUP</u> in this Guide for information pertaining to any necessary setup of the PostalWeb Connector software.

# **ADDITIONAL SETUP**

This section documents how to increase the amount of time before a session of wbSCAN time's out, requiring the user to log back in again. In addition, information pertaining to the additional setup of the other software components that are necessary for having access to certain data and being able to perform certain tasks in wbSCAN when using it in conjunction with DAT-MAIL's Multi-Carrier Trailer Manifesting.

Information pertaining to the installation of these components is provided under <u>OTHER</u> <u>COMPONENT INSTALLATION</u> in this Guide.

### **SESSION TIME OUT**

The default session timeout for wbSCAN is 15 minutes. If a login is idle for 15 minutes, wbSCAN will require the user to login again to be able to continue to use the application. The Client can adjust the default timeout of 15 minutes if they wish. To change the default session timeout...

 Stop the 'Window Book wbSCAN service' from within Control Panel > Administrative Tools > Services;

🕼 Services						-	- 🗆	×
File Action View	Help							
⇔⇒ 🖬 🖬 Q	🗟 🛛 🖬 🕨 🔳 🕨							
Services (Local)	Services (Local)							
	Window Book wbSCAN service	Name		Description	Status	Startup Type	Log On As	^
	Stop the service	Window Book Dat-Mail Database Window Book DM Import Daemon	Service	Processes hi	Running	Automatic Manual	.\vmuser	
	Restart the service	Window Book PostalWeb Connecto	or	Window Bo	Running	Automatic	WINDOWB	
		window book Scheddier		Task schedu	Running	Automatic	WINDOWB	
	Description:	🧠 Window Book wbSCAN service		Web server	Running	Automatic	Local Syste	
	Web server for wbSCAN application	windows to opdate racintation be	Start	A lightweig	Running	Automatic	Local Syste	
		🏟 Windows Audio	Stop	Manages au	Running	Automatic	Local Service	e
		🥋 Windows Audio Endpoint Builder	Pause	Manages au	Running	Automatic	Local Syste	
		🥋 Windows Backup	Resume	Provides Wi	Running	Manual	Local Syste	
	I	On Windows Biometric Service	No. Million	The Windo		Manual (Trig	Local Syste	

2. Right-click on the "DMScanSvc.exe" file on the DAT-MAIL server and select 'Run as administrator'. The executable file is located in the '...\WB\MDV' folder;

🔜 İ 🖸 📴 🚽 Manag	e MDV				-		×
File Home Share View Application	Tools					~	0
← → × ↑ 📙 → This PC → Local Disk (C:) →	WB > MDV			5 V		j	P
៉ Local Disk (C:)	Name	Date modified	Type Application extens	Size			^
inetpub	DMORdet707.dll	8/14/2019 5:55 PM	Application extens	7,200 KB			
PerfLogs	DMScanSvc Once		Application	4,517 KB			
Program Files	DMScanSvc.S		XML Document	1 KB			
Program Files (x86)	DMTPS2MSS	dministrator	Application	79 KB			
Temp	domrateslib7	our company	Application extens	712 KB			
Users	domstatemer Pin to Sta	art	Application extens	3,793 KB			
WP	🗟 DSCRT40.DLL 🔁 Scan with	n Windows Defender	Application extens	164 KB			
WD VID	Share		Application extens	1 210 KP			

#### **Additional Setup**

3. The *wbSCAN web server* screen will display. Select the 'Settings' tab, and then the 'Site' tab that's within the 'Settings' tab. Make the desired adjustment to the 'Session Timeout' (default is 15 minutes). Click the **Close** button to save the changes; and

A wbSCAN web server    Insecure Po	vrt=80	×
Log Performance Settings		
Securit Site		
Web folder:	C:\WB\MDV\web	
Session Timeout:	00:15	
Server Headers	•	

4. Make sure to start the 'Window Book wbSCAN service'.

## **AUTOMATION SCHEDULER**

The Automation Scheduler with the Auto Postal Updates plug-in is required for downloading and updating Facility data. This data is necessary to be able to display/select Entry Points when creating and defining manifests for Direct Trailers.

No end-user configuration of the Auto Postal Updates plug-in is necessary except to click the **Save** button on the plug-in's main screen after the installation and registration of the Automation Scheduler is complete.

Refer to the "<u>Automation</u> <u>Scheduler System Guide"</u> for instructions; specifically, the section titled "Auto Postal Updates Plug-in".

🔛 Window Book Automation Scheduler			
-Currently Scheduled Plug-ins 🕗			٢
Plug-Ins List #		Auto Postal Data Undates	90.00
Window Book Automation			đ,
	6.1-1	Select Configuration	ect Co
Auto Postal Data Updates	Configuration	About Auto Postal Data Updates	3
AWAM Rules Engine	Name and	enion: 8.2.0.32	8
Export Statements	Occurs	Vescription: This plug-in is used to download poetal facility drop ship data from the Window Book web site.	Hep O
IM Scan Manager	Daily Frequency	chedule Recommendation: This plug-in should be configured to run once per day.	9
Mail.dat Merger		Add New Configuration *	Optio
Mail.dat Splitter	Contrast (	5 spert View	
FPP Manager	Startup N	kext Invoke Time: Never	
Process Manager		The Auto Postal Data Updates is a Zero Configuration Component. The configuration should only be modified in Exect View at the	
Reference File		direction of a Window Book Support Representative. To add this component to the Schedule, click the Save button below if available.	
TMS Manager		Save     Save     Sector Sector Configuration	
Service Status Stopped			
o 🕕 🖸	Vindow Book, Inc.	🖓 Back Next 🕡 Cancel 🚫 Finish 🗸	
Welcome vmuser   Subscription per	riod ends in 531 days		

For many DAT-MAIL Clients, the Automation Scheduler and the Auto Postal Update plug-in is already installed/configured. If this is the case, wbSCAN Clients can skip this step of the wbSCAN configuration process.

## DAT-MAIL SETUP REQUIREMENTS

There are setup procedures in DAT-MAIL that are <u>required for all users before</u> using wbSCAN in conjunction with Multi-Carrier Trailer Manifesting including, but not limited to, adding carrier information and distribution center(s). There are additional setup requirements that differ for generic users (i.e. non-LSC users) and LSC users. All setup information is provided in the "<u>Multi-Carrier Trailer</u> <u>Manifesting Setup & User Guide</u>"; specifically, the "Getting Started" section.

Make sure to read, understand, and implement the applicable instructions found in the "Getting Started" section of the "Multi-Carrier Trailer Manifesting Setup & User Guide" before attempting to use wbSCAN!

Other wbSCAN functions requiring setup in DAT-MAIL are documented below.

### Scan2Pay & Paying Postage

To use the Scan2Pay function and to pay postage via AWAM, the functions must be enabled in DAT-MAIL.

If Scan2Pay is not enabled in DAT-MAIL, the 'Scan2Pay' tab will not display in wbSCAN's Activate Pallets screen.

Activate Pallets		
Scan Scan Log		
Location: Scan Value:	?	•
✓ Save Ø Cancel		

To enable these functions, from DAT-MAIL'S main screen, select the 'Other Programs' > 'IM Scanning' > 'Tagger Interface Setup' menu options.



#### **Additional Setup**

The *Tagger Settings* screen will display. Enable (i.e. check) the 'Use IM Scan Manager' option. Click the **OK** button to save the changes and close the screen.

D Tagger Settings	×
Use M Scan Manager	
Whittier Setup	
Export Options	- 1
Default Tagger export folder:	

Next, select the 'Other Programs' > 'IM Scanning' > 'wbSCAN Setup' menu options.

le	Reports	PostalOnel L	Itilities ToolBoo	Other Programs ogistics Security	Help
1	i 🖉	×	. 🖄	Other Programs Setup	🕘 📚 🚍 🚮 🗐
-				Palletization	
				Spoilage Tracking Utility	
				Postage Reports	
				IM Scanning	Export to Tagger
				PO: mis cog sendp	View Scan Manager Requests Log
				Manage PMOD Shipments	Tagger Interface Setup

The wbSCAN Setup screen will display. Enable (i.e. check) the 'Use Scan2Pay' option. Enabling this option also enables the 'Allow wbSCAN to pay postage via AWAM' option. Select (i.e. check) the pay postage via AWAM<sup>™</sup> option if desired.

This procedure assumes AWAM is already registered and activated in DAT-MAIL. Refer to <u>AWAM</u> in this Guide for more information.

wbSCAN Settings	<b>—</b> ×-
Use Scan2Pay	
AWAM Profile:	
Default Location Category Code:	
QK	Gancel

If the option to allow wbSCAN to pay postage via AWAM is enabled (i.e. checked), use the browse button to select a specific AWAM post processing profile to use Scan2Pay to generate statements and export payment submissions to *PostalOne!*<sup>®</sup>.

wbSCAN Settings		<b>-X</b> -
✓ Use Scan2Pay ✓ Allow wbSCAN to pay postage via 41/AM		
AWAM Profile:		
Default Location Category Code:		
	<u>0</u> K	Cancel

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#### **Additional Setup**

The DAT-MAIL AWAM Browse Profiles screen will display. Highlight an existing AWAM Post Processing profile and click the **Select** button or click the **Insert** button to create a new profile.

Refer to <u>Creating An AWAM</u> <u>Post Process Profile</u> for instructions on how to create the profile.

DAT-MAIL AWAM - Browse Profiles			<b>-</b> ×-
Profile Name	Profile Type PostProcessing	Import Path	Select
Ŷ		c=\$>	Profile Type Filter: PostProcess v Cogy Insert Ghange Delete Bename Change Profile Type
			Close

Use the browse button to create and/or select a default 'Location Category Code' that will be assigned to any newly scanned location in wbSCAN. This will negate the need for a look-up of a location category code on the *wbSCAN Location Edit* screen (unless it needs to be changed).

🔊 wbSCAN Settings	<b>—</b>
<ul> <li>✓ Use Scan2Pay</li> <li>✓ Allow wbSCAN to pay postage via AWAM</li> </ul>	
AWAM Profile: wbSCAN Scan2Pay	
Default Location Category Code:	
	<u>Q</u> K <u>C</u> ancel

The *Manage DIMELocCategory* screen will display. Highlight an existing Location Category and click the **Select** button or click the **Insert** button to create a new category.

Refer to <u>Creating A Default Location Category</u> for instructions on how to create and select a default location category.

Manage DIMELocCategory							
Description		Function Code					
Warehouse Category		1					
Change Delete	Select	Close					
	MELocCategory Description Warehouse Category Change Delete	VELocCategory Description Warehouse Category Change Delete Select					

*IMPORTANT: If changes are made to the wbSCAN settings, the "Window Book DAT-MAIL Scan Service" (i.e. Windows Services) must be stopped and then restarted before the changes will take effect.* 

### CREATING AN AWAM POST PROCESS PROFILE

If a mailer chooses to have wbSCAN pay their postage using AWAM, they will need to create a post process profile. They should click the browse button in the *wbSCAN Settings* screen to create the profile.

Í	🗾 wbSCAN Settings		
	✓ Use Scan2Pay ✓ Allow wbSCAN to pay postage via AWAM		
	AWAM Profile:		
	Default Location Category Code:		
		<u>0</u> K	Cancel

**D** The profile can also be created through AWAM directly (within AWAM, click the EDIT PROFILES button, then click the INSERT button and select 'New Post Process Profile'); however, for the purpose of this document, the profile is being created via the 'wbSCAN Settings' screen.



Once a new profile screen is launched, enter a Profile Name. Enter a name that is easily identifies the profile's purpose (e.g. "wbSCAN Scan2Pay").

'General Settings' tab:

• Determine whether statements should be generated (i.e. select the 'Generate Statements' option) or if the system should only create release files (i.e. select the 'Only Create Release Files' option);

#### wbSCAN™ Installation Guide

- Select (check) the option 'Generate Statements Automatically';
- Perform the Statement Setup or Release Mail Setup (depending on which option was enabled (first bulleted item in this list) by clicking the appropriate, corresponding button (you can print statements or quick statements) automatically)); and
- Select (check) the option 'Generate Statements only for that contains already marked ready to pay'.

DAT-MAIL AWAM - Profile Will Be Added	×				
Profile Name: wbSCAN Scan2Pay					
Post Processing					
General Settings Auto Exports Plandyzer Palletizing Dates Intelligent Mail Barcode	_				
Build Floating Batch Manifest					
Generate Statements Only Create Release Files					
Generate Statements Automatically					
Statement Setup Statement Setup Completed					
Generate Statements only for the containers already marked ready to pay					
in nur saur neputs					
Batch Reports Setup					

'Auto Exports' tab:

• Select (check) the option 'Export PO! Update Release File Automatically'.

eral Setting Auto Exports Tanalyzer Palletiz	ng Dates Intelligent Mail Barcode
b and XML Exports CSV Exports	
Auto Export	
Auto Export after Import	Export Settings
Export Root Folder Name:	
Export Folder Template:	
Export File Name Template: [JOBID]	
XML Postage Export	
Enable XML Postage Export	Export Settings
Export Folder Name:	
Export File Name Template:	

#### **Additional Setup**

'Dates' tab:

Use the options in the 'Dates' tab to update the dates in the Mail.dat file to reflect the scan date as the ship date or payment date. The 'Scheduled Ship Date', Actual Container Date', and 'Postage Statement Mailing Date' should be set to "Today". If the intent is processing to ship tomorrow, add 1 day to each setting (i.e. "Today" + "1" day).

DAT-MAIL AWAM - Profile Will Be Added					
Profile Name: wbSCAN Scan2	Pay				
Post Processing					
General Settings Auto Exports Planalyzer Pale	tizir g Dates	I teligent M	ail Barcode		
USPS Pickup	Blank	© No	) Yes		
Scheduled Ship Date (CSM-1172):	Today	💌 Plus	0 🌲	Days 🧲	
Scheduled Induction Start Date (CSM-1117):	Existing	💌 Plus	0 🌲	Days	
Scheduled Induction End Date (CSM-2001)	Existing	💌 Plus	0 🌲	Days	
Scheduled PickUp Date (CSM-1177):	Existing	💌 Plus	0 🌲	Days	
Actual Container Ship Date (CSM-1113):	Today	💌 Plus	0 🍦	Days	
In Home Date (CSM-1115):	Existing	<ul> <li>Plus</li> </ul>	0 🌲	Days	
Postage Statement Mailing Date (CSM-1184):	Today	Plus	0 🍦	Days <	
					•

When finished, click the **OK** button to save and close the new AWAM post process profile. The *DAT-MAIL AWAM – Browse Profiles* screen will display. Select (highlight) the newly created post process profile and click the **Active & Select** button.

Profile Type	Import Path	Activate & Select
PostProcessing		
	Profile Type PostProcessing	Profile Type import Pain PostProcessing

The DAT-MAIL AWAM – Browse Profiles screen will close and the wbSCAN Settings screen will display. The name of the newly created/selected 'AWAM Profile' will show on the screen (e.g. "wbSCAN Scan2Pay"). Click the **OK** button to close the screen.

wbSCAN Settings		×
✓ Use Scan2Pay ✓ Allow wbSCAN to pay postage via AWAM	I	
AWAM Profile: Scan2Pay		
Default Location Category Code:		
	ŌK	Cancel

*IMPORTANT: If changes are made to the wbSCAN settings, the "Window Book DAT-MAIL Scan Service" (i.e. Windows Services) must be stopped and then restarted before the changes will take effect.* 

**I** Fully automating the Scan2Pay process requires the automatic upload of Mail.dat files to PostalOne! Refer to <u>POSTALWEB CONNECTOR</u> in this Guide for more information.

### **CREATING A DEFAULT LOCATION CATEGORY**

Specifying a default location category code in DAT-MAIL will negate the need for a look-up of a location category code in the wbSCAN *Update Location* screen (unless it needs to be changed).

Update Location		×
General		
Location: Category: WHSE	? Warehouse Category	
✓ Save ⊘ Cancel		

To create and select a default location category in DAT-MAIL, select the 'Other Programs' > 'IM Scanning' > 'wbSCAN Setup' menu options.

ile	Reports	PostalOnel	Utilities	ToolBoo	Other Programs	ity Help
2	i 🗃	×		n 🏓	Uther Programs Setup	3 😂 🚍 👘 🗐
					Palletization Spoilage Tracking Utility Portage Reports	
					IM Scanning FO: THIS E09 Setup Manage PMOD Shipments	Export to Tagger View Scan Manager Requests Log Tagger Interface Setup
						wbSCAN Setup

The *wbSCAN Settings* screen will display. Use the browse button to create and/or select a default 'Location Category Code' that will be assigned to any newly scanned location in wbSCAN.

된 wbSCAN Settings		<b>-</b> ×-
<ul> <li>✓ Use Scan2Pay</li> <li>✓ Allow wbSCAN to pay postage via AWAM</li> </ul>	I	
AWAM Profile: wbSCAN Scan2Pay		
Default Location Category Code:		
	<u>0</u> K	Cancel

The *Manage DIMELocCategory* screen will display. Click the **Insert** button.

If the desired Location Category already exists, highlight it and click the SELECT button.

Code	Description	Function Code
N	Location Category	0

#### **Additional Setup**

The Form DIMELocCategory screen will display. Enter the following:

- 'Category Code': A brief description or abbreviation that will be used to identify the category and can be used as a column header on a report (e.g. "WHSE");
- 'Description': Describe the Category (e.g. "Warehouse Category"; and
- 'Function Code' (e.g. "1"): A numeric value that stands for a specific production function that could be tied to multiple category codes.

된 Form DIMELo	cCategory 📧	
Category Code:	WHSE	(
Description	Warehouse Category	
Function Code:	1	
	OK Cancel	

Click the **OK** button when finished.

With the newly added Category Location highlighted, click the **Select** button.

Code	Description	Function Code
0000	No Location Category	0
/HSE	Warehouse Category	1
laurat 10	Charges Dalate Se	Int Con

wbSCAN Settings	×
Use Scan2Pau	
Allow wbSCAN to pay postage via AWAM	
AWAM Profile: wbSCAN Scan2Pay	
Default Location Category Code: WHSE	
	<u>O</u> K <u>C</u> ancel

The code specified for the selected Location Category will display in the 'Default Location Category Code' field in the *wbSCAN Settings* screen.

Click the **OK** button to close the screen.

*IMPORTANT: If changes are made to the wbSCAN settings, the "Window Book DAT-MAIL Scan Service" (i.e. Windows Services) must be stopped and then restarted before the changes will take effect.* 

The Default Location Category Code specified in DAT-MAIL will auto-populate in wbSCAN's *Update Location* screen for the user when a new location is scanned. The default code assigned to the location

in wbSCAN can be changed if necessary, using the look-up function (i.e. 1). Changing the code in wbSCAN does <u>not</u> change the code specified as the default in DAT-MAIL.

Update Location		×
General		
Location: Category: WHSE	? Warehouse Category	
✓ Save Ø Cancel		

### **DIME Users**

1

The information provided in this section assumes DIME has already been setup/enabled in DAT-MAIL. Instructions for enabling DIME in DAT-MAIL are provided in the "<u>Multi-Carrier Trailer</u> <u>Manifesting Setup & User Guide</u>"; specifically, the "Getting Started" section.

The 'Allow changes to data during import' option in DAT-MAIL's "Setup" screen must be enabled (i.e. checked) for DIME users. The "Setup" screen is accessible via the 'File' menu > 'Program Settings' > 'Program Setup'.



### AUTO-CREATE ORDERS

To enable the function that automatically creates orders when pallets are activated in wbSCAN, from DAT-MAIL's main menu, select 'Logistics' > 'Maintenance' > 'Settings'.

DAT-MAIL Editor with Toolbo	ox	
File Reports PostalOne! Ut	tilities ToolBox Other Programs Logistics Security Help	
10 e 🔳 X	Postage Rpts     Postage Tags     Multi-Carrier Trailer Manifesting     Maintenance     TDM Pooled Quotes	File Maintenance

#### Additional Setup

The *DIME Setup* screen will display. Select (i.e. check) the 'wbSCAN will Auto-create orders when activating pallets' option. Click the **OK** button to close the screen and save the new setting(s).

DIME setup								
Transportation System Access								
Test Only. Do not access production database.								
User ID:	AcmeDer	no						
Site ID:	12407							
Password:	•••••							
URL for Test Site:	http://dyr	amail.lsccom.	com/o	lime/2.2.4/certification/dime.svc/basicText				
URL for Production Site:	http://dyr	amail.lsccom.	com/o	lime/2241/dime.svc/basicText				
Default Carrier:		LSC	±	LSC for Dropship/Copal				
Default Consolidation Fa	cility:	11141	±	Bolingbrook				
☑ wbSCAN will Auto-create orders when activating pallets								
wbSCAN "Add pallets	to Manife	st" scan will up	date	eBOL automatically				
				OK Cancel				

### AUTOMATICALLY UPDATE EBOL

The information provided in this section assumes DIME has already been setup/enabled in DAT-MAIL. Instructions for enabling DIME in DAT-MAIL are provided in the "<u>Multi-Carrier Trailer</u> <u>Manifesting Setup & User Guide</u>"; specifically, the "Getting Started" section.

To enable the function that automatically updates the eBOL as pallets are scanned/added to a manifest in wbSCAN, from DAT-MAIL's main menu, select 'Logistics' > 'Maintenance' > 'Settings'.

된 DA	T-MAIL E	ditor with To	olbox				1		- • •
File	Reports	PostalOne!	Utilities	ToolE	Box	Other Progr	ama	Logistics Security Help	
1	<b>2</b>	×		Ui	Ŗ	Postage Rpts	Tags m:	Multi-Carrier Trailer Manifesting Maintenance TDM Pooled Quotes	File Maintenance

#### wbSCAN™ Installation Guide

The *DIME Setup* screen will display. Select (i.e. check) the 'wbSCAN "Add pallets to Manifest" scan will updated eBOL automatically' option. Click the **OK** button to close the screen and save the new setting(s).

The 'wbSCAN "Add pallets to Manifest" scan will updated eBOL automatically' option can only be enabled (i.e. checked) if the DIME production database is being used. If the 'Test Only' option is selected, the 'wbSCAN "Add pallets to Manifest" scan will updated eBOL automatically' option will be grayed out.

DIME setup							
Transportation System Ac	cess ss produ	ction database.					
User ID:	AcmeDe	no					
Site ID:	12407						
Password:	•••••						
URL for Test Site:	http://dyr	amail.lsccom.	com/o	lime/2.2.4/certification/dime.svc/basicText			
URL for Production Site:	http://dyr	amail.lsccom.	com/o	lime/2241/dime.svc/basicText			
Default Carrier:		LSC	±	LSC for Dropship/Copal			
Default Consolidation Fa	cility:	11141	±	Bolingbrook			
<ul> <li>wbSCAN will Auto-create orders when activating pallets</li> <li>wbSCAN "Add pallets to Manifest" scan will update eBOL automatically</li> </ul>							
				OK Cancel			

## **POSTALWEB CONNECTOR**

PostalWeb Connector is necessary for mailers who intend to use wbSCAN's 'Scan2Pay' function and intend on fully automating the process by using the software to automatically upload Mail.dat files to *PostalOne*!.

To be able to do this, the PostalWeb Connector software must be configured to use DAT-MAIL, and the USPS PROD MDR Client must be created/configured. Refer to the "<u>PostalWeb Connector Installation &</u> <u>User Guide</u>" for instructions; specifically, the "DAT-MAIL Settings" and "MDR Client Configurations" sections.

# This page left blank intentionally.

# TROUBLESHOOTING

# LOGS

wbSCAN is in active development and is logging almost every exception. The log file name is as follows: WB\MDV\Data\DMScanSvcLogs\YYYYMMDD\_DMScanSvc\_log.txt where YYYYMMDD represent current Year, Month and Day numbers. This is the first place to look for a reason of any problem reported.

## MONITORING

If a Client wants to see in real-time what wbSCAN is encountering, they should stop the DMScanSvc, service and then launch it as a desktop application (i.e. "...\wb\mdv\DMScanSVC"). The desktop application will display what it is doing.

### DETERMINE WHAT PROCESS IS MONITORING PORTS

If a Client detects another application listening to the selected port (e.g. port 80), they should figure out which one it is, especially if the Client is not using another webserver like IIS. To do this, perform the following:

- 1. On the server, launch a command prompt;
- Enter "netstat -o -n -a | findstr 0.0:80" (no quotation marks enter whatever port number is being used – in the example here port 80 is being used) and press ENTER on the server's keyboard;
- 3. The system will return a PID number identifying a process listening on the specified port (e.g. port 80) on the computer (in the example here, the PID number is "4");

t Windows [Version Microsoft Corporat	10.0.16299.547] ion. All rights reser	ved.	
\ofomin.WINDOWBOOK	netstat -o -n -a   fi	ndstr 0.0:80	
0.0.0.0:80	0.0.0.0:0	LISTENING	4
	T Windows [Version Microsoft Corporat ofomin.WINDOWBOOK 0.0.0.0:80	T Windows [Version 10.0.16299.547] Microsoft Corporation. All rights reser Nofomin.WINDOWBOOK netstat -o -n -a   fi 0.0.0.0:80 0.0.0.0:0	T Windows [Version 10.0.16299.547]         Microsoft Corporation. All rights reserved.         Solofomin.WINDOWBOOK netstat -o -n -a   findstr 0.0:80         0.0.0.0:80       0.0.0.0:0

#### Troubleshooting

4. On the server, launch the 'Task Manager' and select the 'Details' tab. Sort by PID and look to see what process is using that PID (in the example here, PID 4 is being used by the System, the description for which in this case is "NT Kernel & System");

i∰ Task Manager File Options View						>	<
Processes Performance	e App hi	story Startup U	lsers Details Ser	vices			
Name	PID	Status	User name	CPU	Memory (p	Description	^
System interrupts	-	Running	SYSTEM	00	0 K	Deferred procedure calls	
System Idle Process	0	Running	SYSTEM	99	8 K	Percentage of time the	
System N	4	Running	SYSTEM	00	20 K	NT Kernel & System	
dwm.exe	8	Running	DWM-1	00	3,980 K	Desktop Window Mana	
smss.exe	340	Running	SYSTEM	00	0 K	Windows Session Mana	
E LogonUl.exe	360	Running	SYSTEM	00	4,276 K	Windows Logon User In	
winlogon.exe	376	Running	SYSTEM	00	592 K	Windows Logon Applic	
SkypeHost.exe	388	Suspended	ofomin	00	48 K	Microsoft Skype	
svchost.exe	448	Running	NETWORK	00	37,880 K	Host Process for Windo	
Csrss.exe	456	Running	SYSTEM	00	536 K	Client Server Runtime Pr	

 Although it is not evident, this particular process (i.e. "NT Kernel & System") is running a service called "World Wide Web Publishing". On the server, open 'Services' (i.e. Control Panel > Administrative Tools > Services). Navigate to the "World Wide Web Publishing" service, right click on it, and select 'Stop';

Services		(1) A	1	
World Wide Web Publishing Service	Name	Stop	Status	Startu ^
Stop the service Restart the service	Windows Update WinHTTP Web Proxy Auto	Resume Restart	Running	Manu Manu Manu
	WLAN AutoConfig	All Tasks		Manu
Description:	WMI Performance Adapte	Refresh		Manu
administration through the Internet	Work Folders	Properties		Manu
Information Services Manager	Workstation	нер	Running	Autor
	😳 World Wide Web Publishin	Provides W	Running	g Autor
	WWAN AutoConfig	This service		Ivianu
	Xbox Accessory Manageme	This service		Manu
	Nhay Game Manitoring	This convice		Manu

i

6. Once the service is stopped, right click on it again and select 'Properties'. In the 'General' tab, locate the 'Startup type' field and, using the drop down provided, select "Disabled" from the list. This will disable the "World Wide Publishing Service" so that it no longer interferes with wbSCAN on port 80.

Service nam	e: W3SVC					
Display name	e: World Wie	World Wide Web Publishing Service				
Description:	Provides through th	Provides Web connectivity and administration through the Internet Information Services Manage				
Path to exec	utable:					
C:\WINDOV	VS\system32\sv	chost.exe +k	IISSVCS			
Startup type:	Automati	c		~		
	Automatic	c (Delayed S c	tart)			
Service statu	IS: Disabled					
Start	Sto	p	Pausa	Resume		
You can spe from here.	cify the start par	ameters that	apply when you	I start the service		
Start parame	ters:					

For more information on this process, refer to: <u>https://www.mydigitallife.net/how-to-check-and-identify-which-application-is-listening-or-opening-port-80-and-443-on-windows/</u>.

## USING A HANDHELD DEVICE WHILE USING A CELL NETWORK

Clients may want to expose wbSCAN to the internet in order to use a handheld device using a cell network. To do this, perform the following:

- Determine the public IP address of the server using <a href="https://www.whatismypublicip.com/">https://www.whatismypublicip.com/</a>. This will be the IP address used to access the service, not the private IP; and
- Open up the firewall and set up rules to access. This will vary by firewall.

**WARNING:** Opening up the firewall and setting up rules can make the Client's network more vulnerable to attacks. Contact Window Book's Kenneth Copeland for assistance.