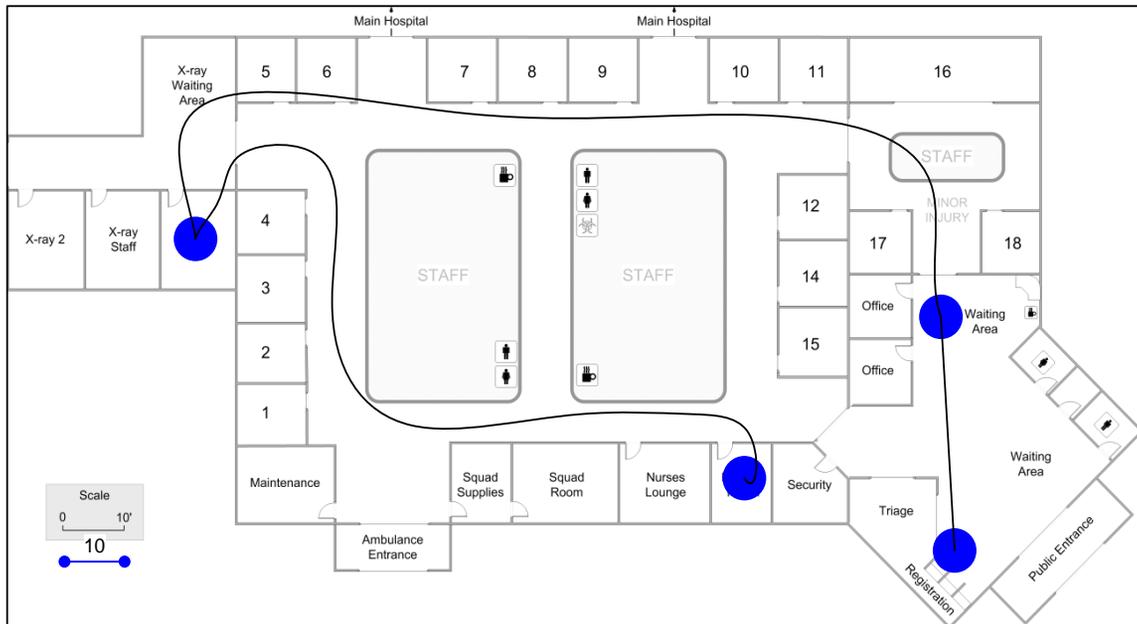This tutorial will guide you through the steps to generate a spaghetti layout using the Spaghetti Wizard.

Viewing/printing eVSM Tutorial:

This tutorial is designed for two page layout. If printing, you will need double-sided print.

For on-screen viewing, save the PDF file to your PC and then open it in Acrobat Reader (not in a web browser). In the Acrobat menus, click "View>Page Display", make sure "Show Cover Page in Two Page View" is checked and then select "Two Page View".
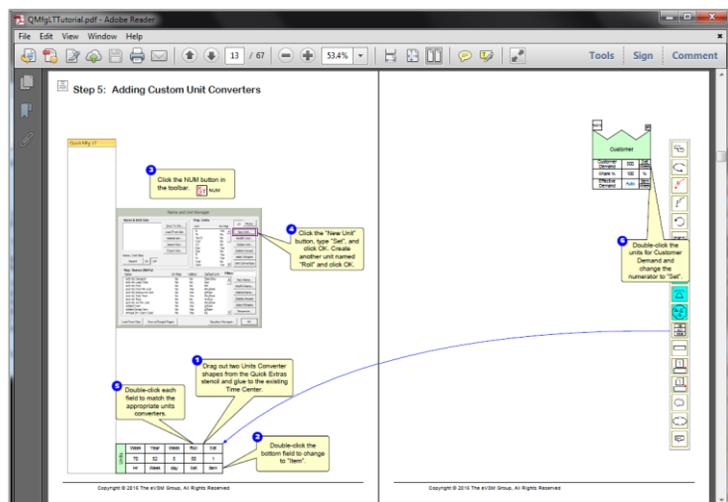
Step 1: Start eVSM

1 On your Desktop, click the "Start eVSM" icon.

Recycle Bin

Start eVSM

2 If you see a message like this, you must "Enable" macros.

Microsoft Visio Security Notice

Microsoft Office has identified a potential security concern.

Note: The digital signature is valid, but the signature is from a publisher whom you have not yet chosen to trust.

File Path: C:\Program Files\eVSM\Setup\Solutions\eVSMIcons.vss

Macros have been disabled. Macros might contain viruses or other security hazards. Do not enable this content unless you trust the source of this file.

More information

Show Signature Details

[Trust all from publisher] [Enable Macros] [Disable Macros]

4 Click "Trust all from publisher" to avoid the security notice in future.

3 Click to enable macros.

Step 2: Learn eVSM Basics

2 Avoid re-sizing eVSM shapes. Instead grow the drawing page when needed. To resize the page, hold down the "Ctrl" key, and then drag any page edge to the required size. This method works on all four edges of the page.

5 Save your Visio file and then insert a new page via the right-mouse menus on the page-tabs.

VSM   Quick_eVSM

1 eVSM Help resources are available in the Learn module of the toolbar. Hover over each one to see what they do.

3 Blue icons in the main stencil represent families of shapes. Drag out the Transport icon.

4 Use the shape's right-mouse menus to turn it into a car

TASK LIST

FIFO
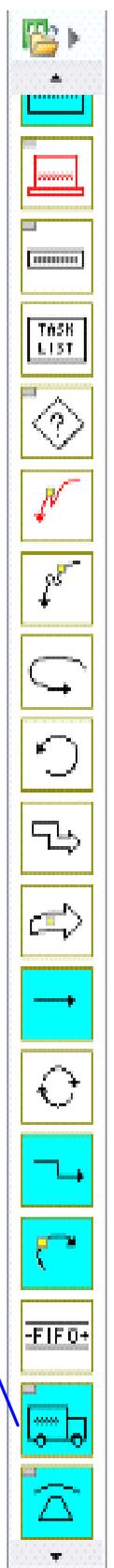
Step 3: Initiate the map for the Spaghetti Wizard

WizSpaghetti

SP DATA

Spaghetti Data

1 Click the Open button. Select Spaghetti in the Wizard column and click OK. 🚪 Open

2 The Spaghetti Wizard stencil will open on the left.

3 Drag out the red icon first. This is very important!

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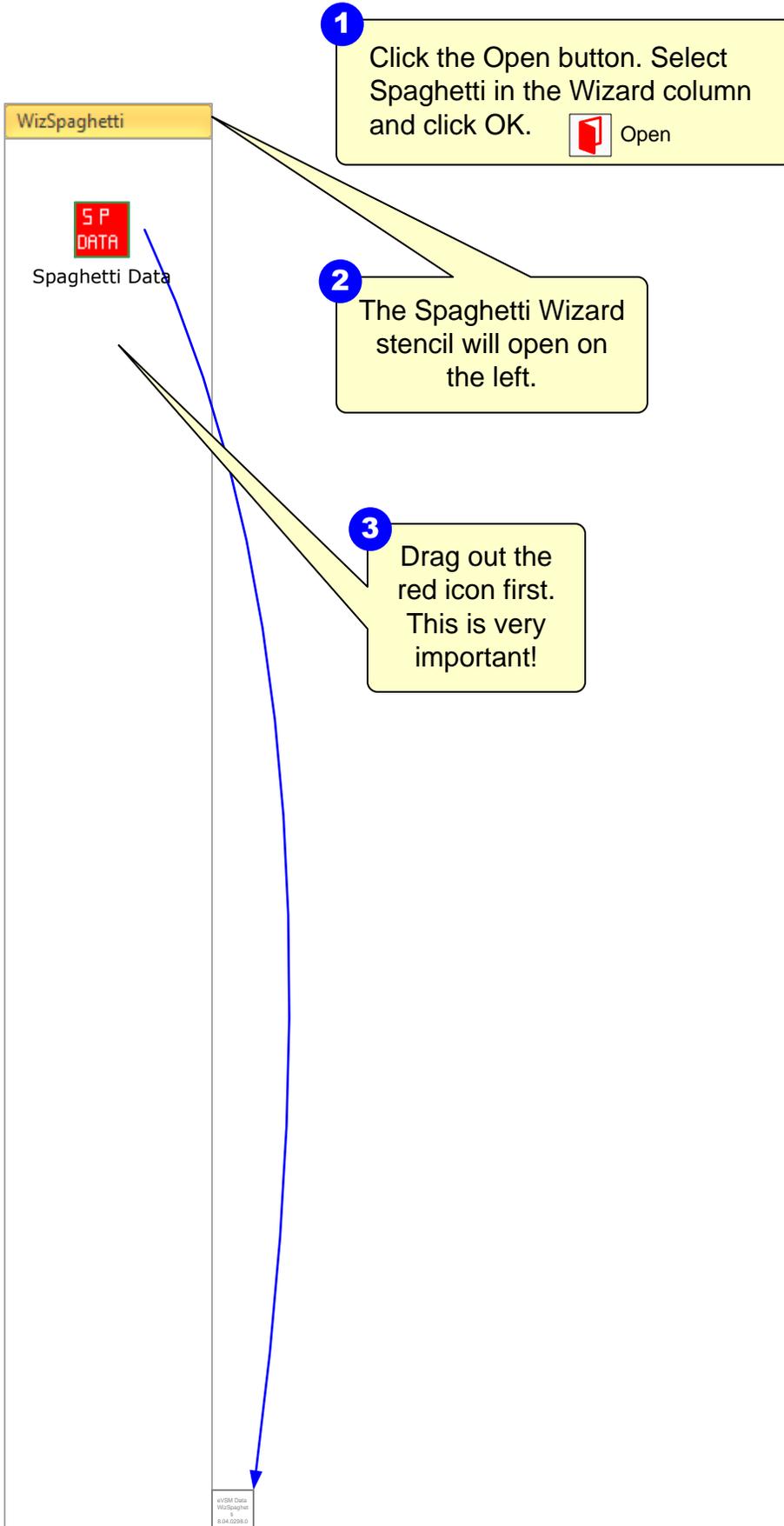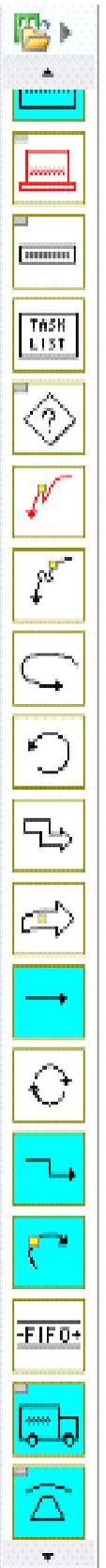
Step 4: Draw/Import Floor Map

1 Draw or import a floor map. Visio can import most bitmap formats as well as AutoCAD drawings. Either use the "Insert" tab in Visio or simply copy and paste the picture into a new drawing.

WizSpaghetti

SCALE

Scale

File | Home | Insert | Design

Blank Page ▾ | Picture | Clip Art | Chart | CAD Drawing

Pages | Illustrations

eVSM Data
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Main Hospital   Main Hospital

| X-ray Waiting Area | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 16 |

STAFF

X-ray 2	X-ray Staff	X-ray 1	4			12	MINOR INJURY
			3	STAFF	STAFF	14	17	18
			2			15	Office	Waiting Area
			1				Office	

Scale
0   10'
10

| Maintenance | Squad Supplies | Squad Room | Nurses Lounge | Meeting Room | Security | Triage | Waiting Area |

Ambulance Entrance

Registration   Public Entrance

2 Drag out a Spaghetti Scale shape and stretch it out to exactly fit a known dimension on the map. The known dimension could be a map scale if available, or a floor dimension you have measured. Enter the actual dimension value on the scale shape by double-clicking it.

TASK LIST

FIFO

Step 5: Add Spaghetti Places

WizSpaghetti

●
Place

1 Define Activity Centers by dropping a Spaghetti Place icon onto the diagram for each place, then double-clicking each one to name the Place.

Main Hospital   Main Hospital

X-ray
Waiting
Area

| 6 | | 7 | 8 | 9 | | 10 | 11 | 16 |

STAFF

MINOR
INJURY

X-ray 2 | X-ray Staff | 4

12

17   18

3

14

Office

Waiting
Area

STAFF   STAFF

2

15

Office

1

Maintenance

Waiting
Area

Scale
0   10'
10

Squad
Supplies

Squad
Room

Nurses
Lounge

Security

Triage

Ambulance
Entrance

Registration   Public Entrance

Step 6: Draw Spaghetti Paths

WizSpaghetti

Drawing ▼ ✕

Any of the line tools in the Drawing toolbar can be used in Visio 2003/2007

Pointer Tool | Fill ▼
Connector | Rectangle
Text | Ellipse
Tools | Line
| Freeform
Line tools in Visio 2010 | Arc
| Pencil

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In Visio 2003/2007, the line drawing tools are in the Drawing Toolbar. This can be opened via the right-mouse menus on the Visio Toolbars. In Visio 2010, the drawing tools are near the center of the "Home" ribbon.

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2 Use the Visio line drawing tools to map the paths. You must ensure that each path starts and ends in a Spaghetti Place icon. You can set color and line thickness of the paths using standard Visio formatting.

Main Hospital   Main Hospital

| X-ray Waiting Area | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 16 |

STAFF

X-ray 2 | X-ray Staff | 4 | | | | 12 | MINOR INJURY | | 17 | 18

STAFF   STAFF

3 | | | | | 14 | Office | Waiting Area

2 | | | | | 15

1 | Office

Maintenance | Squad Supplies | Squad Room | Nurses Lounge | Security | Waiting Area

Ambulance Entrance | Triage

Scale
0   10'
10

Registration | Public Entrance

Step 7: Create Spaghetti Report

WizSpaghetti

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Click the Solve button. eVSM will create a spreadsheet report of the paths. Note that the Solve button recreates the Excel report, it DOES NOT update it. Solve

Main Hospital   Main Hospital

X-ray Waiting Area

| 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 16 |

STAFF

X-ray 2 | X-ray Staff | 4

3

2

1

STAFF   STAFF

12

17   18

14

15

MINOR INJURY

Office

Office

Waiting Area

Maintenance

Squad Supplies | Squad Room | Nurses Lounge | Security

Triage

Waiting Area

Ambulance Entrance

Scale
0   10'
10

Registration   Public Entrance