

Windows 8.0, batch file, and Office 2010 to graph installed software vendors.

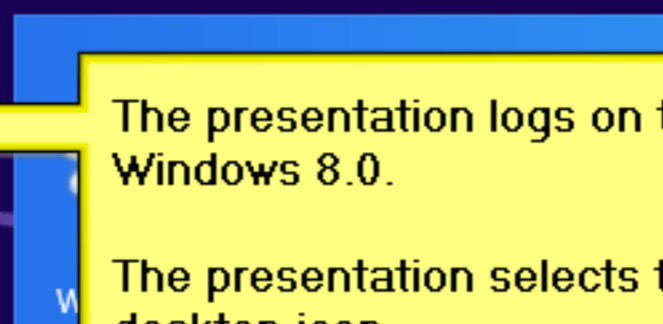
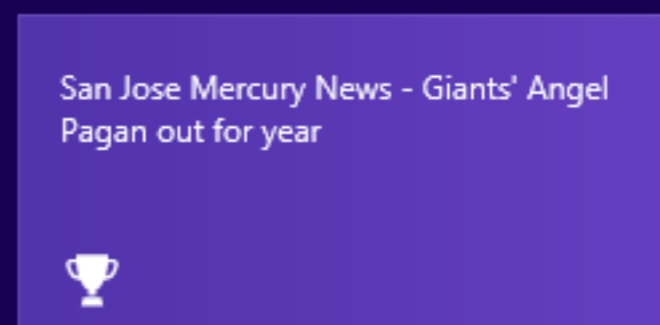
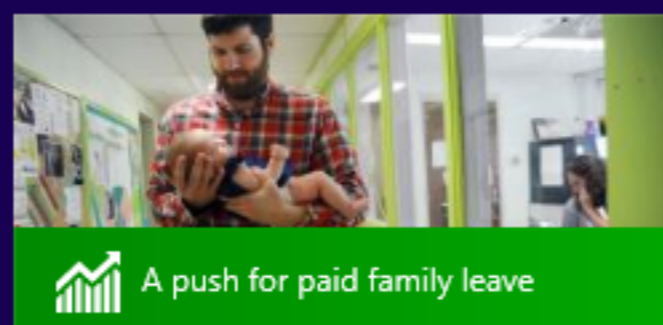
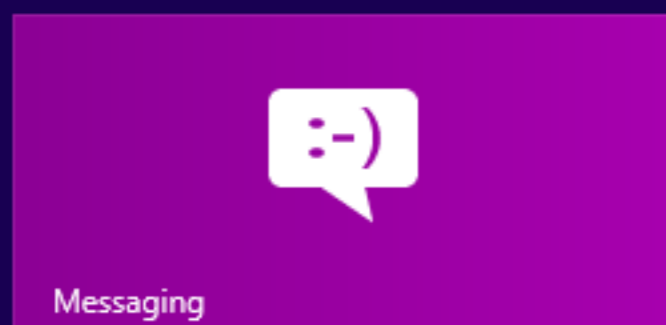
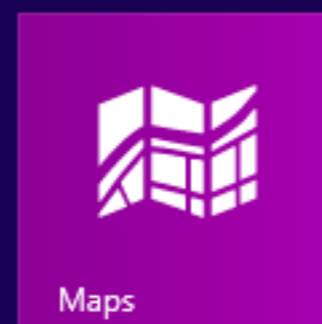
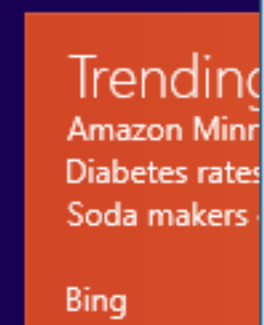
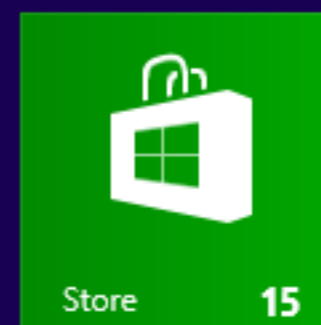
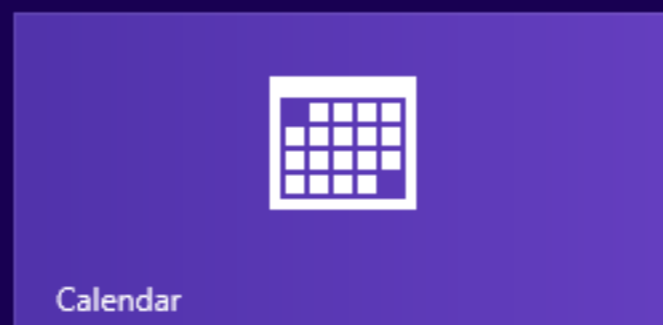
This presentation uses Windows 8.0. A batch file gets a list of products and vendors installed on this system. The data is copied to a spreadsheet. The data is separated into columns. A formula counts the number of times a vendor is in the list. A graph is made of the data of vendors and vendor counts.

Preuss

9/30/2014

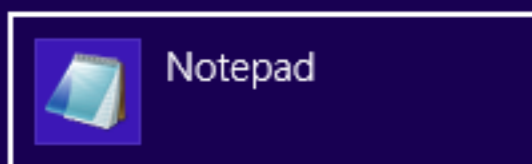
Start

Tim
Preuss



The presentation logs on to Windows 8.0.
The presentation selects the desktop icon.

Apps Results for "notepad"



The presentation selects the notepad application.

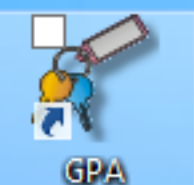
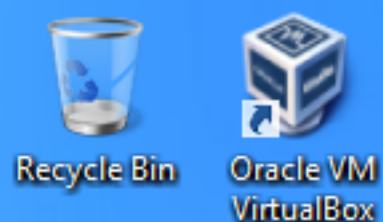
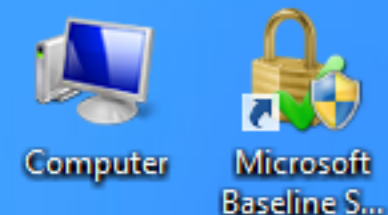
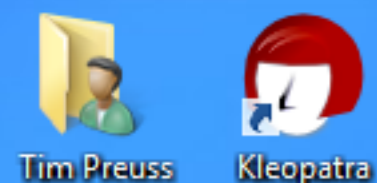
Search

Apps

notepad

The presentation searches for the application notepad.

- Games
- Internet Explorer
- Mail
- Maps
- Music



Untitled - Notepad

```
File Edit Format View Help
REM This batch file will collect a list of installed software/products
REM Preuss 9/23/2014

echo 'This is the installed program list.' >> product-info.txt
wmic /output:info.txt product list
type info.txt >> product-info.txt

echo 'This is the installed program list.' >> product-info.txt
wmic /output:info.txt product get name,vendor,description,version,installdate
type info.txt >> product-info.txt

notepad product-info.txt
```

The presentation enters the text in notepad to create a batch file.

Tim Preuss
Kleopatra
Computer
Microsoft Baseline S...
Recycle Bin
Oracle VM VirtualBox
Control Panel
Recuva
Gpg4win Document...
Garmin Express
GPA

Untitled - Notepad

File Edit Format View Help

Save As

Tim Preuss > Downloads

Search Downloads

Organize New folder

Name	Date modified	Type
No items match your search.		

File name: products.bat

Save as type: All Files

Encoding: ANSI

The presentation enters the name of the batch file. Remember to change the as type: All Files. Remember a batch file must end in .bat

Downloads

File Home Share View

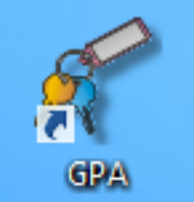
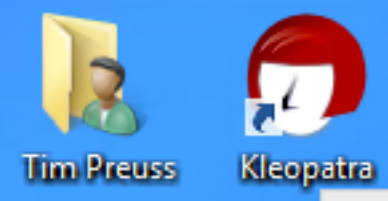
Tim Preuss Downloads

Search Downloads

Name	Date modified	Type	Size
products		Batch File	1 KB

1 item

The presentation selects and runs the products.bat file.



Application Tools Downloads

product-info - Notepad

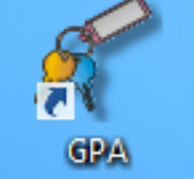
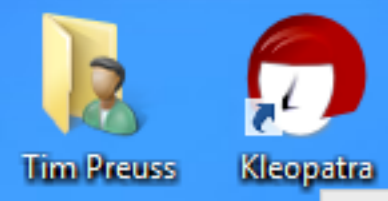
File Edit Format View Help

'This is the installed program list.'

Description	IdentifyingNumber
Microsoft DCF MUI (English) 2013	{90150000-0090-04}
Microsoft Office Professional Plus 2013	{90150000-0011-00}
Microsoft OneNote MUI (English) 2013	{90150000-00A1-04}
Microsoft Office OSM MUI (English) 2013	{90150000-00E1-04}
Microsoft Office OSM UX MUI (English) 2013	{90150000-00E2-04}
Microsoft InfoPath MUI (English) 2013	{90150000-0044-04}
Microsoft Access MUI (English) 2013	{90150000-0015-04}
Microsoft Office Shared Setup Metadata MUI (English) 2013	{90150000-0115-04}
Microsoft Excel MUI (English) 2013	{90150000-0016-04}
Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2013	{90150000-0116-04}
Microsoft Access Setup Metadata MUI (English) 2013	{90150000-0117-04}
Microsoft PowerPoint MUI (English) 2013	{90150000-0018-04}
Microsoft Publisher MUI (English) 2013	{90150000-0019-04}
Microsoft Outlook	{90150000-001A-04}
Microsoft Office	{90150000-002A-00}
Microsoft Office	{90150000-002A-04}
Microsoft Groove	{90150000-00BA-04}
Microsoft Word MUI	{90150000-001B-04}
Microsoft Lync MUI	{90150000-012B-04}
Microsoft Office	{90150000-002C-04}
Microsoft Office	{90150000-006E-04}
Microsoft Office	{90150000-001F-04}

3 items | 1 item selected 437 bytes

This is partial results of the batch file.



Application Tools Downloads

product-info - Notepad

File Edit Format View Help

```

C:\Users\p
led softwa
C:\Users\p
'This is the installed program list.'
Description
Microsoft DCF MUI (English) 2013
Microsoft Office Professional Plus 2013
Microsoft OneNote MUI (English) 2013
Microsoft Office OSM MUI (English) 2013
Microsoft Office OSM UX MUI (English) 2013
Microsoft InfoPath MUI (English) 2013
Microsoft Access MUI (English) 2013
Microsoft Office Shared Setup Metadata MUI (English) 2013
Microsoft Excel MUI (English) 2013
Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2013
Microsoft Access Setup Metadata MUI (English) 2013
Microsoft PowerPoint MUI (English) 2013
Microsoft Publisher MUI (English) 2013
Microsoft Out
Microsoft Off
Microsoft Off
Microsoft Gro
Microsoft Wor
Microsoft Lyr
Microsoft Off

```

	InstallDate	Name
{37A08B0D-1168-49}	20140909	Micr
{2289494D-48E6-40}	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140402	Micr
	20140402	Micr
	20140402	Micr
	20140402	Micr
	20140402	Micr
	20140402	Micr
	20140909	Micr
	20140402	Micr
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	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140909	Micr
	20140402	Micr

3 items | 1 item selected 437

The batch file really created the list twice. This is the second list of products in the file.

Tim Preuss
Kleopatra

Computer

Recycle Bin

Control Panel

Gpg4win Document...

Garmin Express

GPA

product-info - Notepad

File Edit Format View Help

Garmin Express Tray {2289494D-48E6-40...}

'This is the installed program list.'

Description	InstallDate	Name
Microsoft DCF MUI (English) 2013	20140909	Micr...
Microsoft Office Professional Plus 2013	20140909	Micr...
Microsoft OneNote MUI (English) 2013	20140909	Micr...
Microsoft Office OSM MUI (English) 2013	20140402	Micr...
Microsoft Office OSM UX MUI (English) 2013	20140402	Micr...
Microsoft InfoPath MUI (English) 2013	20140402	Micr...
Microsoft Access MUI (English) 2013	20140402	Micr...
Microsoft Office Shared Setup Metadata MUI (English) 2013	20140402	Micr...
Microsoft Excel MUI (English) 2013	20140909	Micr...
Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2013	20140402	Micr...
Microsoft Access Setup Metadata MUI (English) 2013	20140402	Micr...
Microsoft PowerPoint MUI (English) 2013	20140909	Micr...
Microsoft Publisher MUI (English) 2013	20140909	Micr...
Microsoft Outlook MUI (English) 2013	20140909	Micr...
Microsoft Office 64-bit Components 2013	20140909	Micr...
Microsoft Office Shar...	20140909	Micr...
Microsoft Groove MUI	20140909	Micr...
Microsoft Word MUI (E	20140909	Micr...
Microsoft Lync MUI (E	20140909	Micr...
Microsoft Office Proc	20140402	Micr...
Microsoft Office Shar	20140909	Micr...

The presentation copies all the data from the second listing of products.

Apps

Results for "excel"



The presentation opens Excel or another spreadsheet program.

Search

Apps

excel

Apps 1

Settings 0

Files 2

Bing

Finance

Games

Internet Explorer

Mail

Maps

Music

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 Bold Italic Underline Font Color Background Color

General \$ % , .0 .00

Conditional Formatting Format as Table Cell Styles

Insert Delete Format Sort & Filter Find & Select

A1 fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
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28															
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30															

This is the presentation's spreadsheet.

Book1 - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 Bold Italic Underline

General \$ % , .00 .00

Conditional Formatting Format as Table Cell Styles

Insert Delete Format Cells

Sort & Filter Find & Select

A1 fx

Save As

Libraries Documents

Organize New folder

Microsoft Excel

Favorites Desktop Downloads ownCloud Recent Places

Libraries Documents ifolder Music Pictures

Documents library

Includes: 2 locations

Fax GroupWise My Data Sources My Safes My Scans My Shapes Old_iFolder Scanned Documents Virtual Machines wink

informatic_demo_02.xlsx Informatics_demo_01.xlsx

File name: Product_graph_demo_01

Save as type: Excel Workbook (*.xlsx)

Authors: preuss Tags: Add a tag

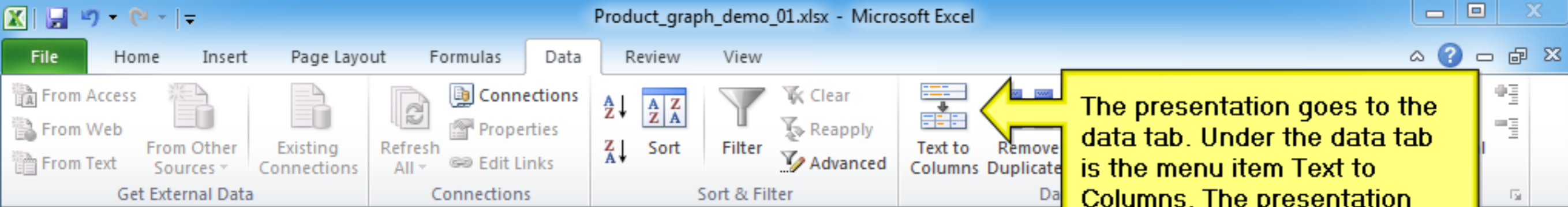
Save Thumbnail

Hide Folders Tools Save Cancel

The presentation saves the empty spreadsheet with a name. This way, work may be saved quickly during the creation of the spreadsheet.

Sheet1 Sheet2 Sheet3

Ready 100%



The presentation goes to the data tab. Under the data tab is the menu item Text to Columns. The presentation selects Text to Columns to start the wizard as shown.

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager		
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010		1000
4	Microsoft Office OneNote MUI (English) 2010	20121202	Microsoft Office OneNote MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
5	Microsoft Office InfoPath MUI (English) 2010	20121202	Microsoft Office InfoPath MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
6	Microsoft Office Visio MUI (English) 2010	20121202	Microsoft Office Visio MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
7	Microsoft Office Access MUI (English) 2010	20121202	Microsoft Office Access MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
8	Microsoft Office Shared Setup Metadata MUI (English) 2010	20121202	Microsoft Office Shared Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
9	Microsoft Office Excel MUI (English) 2010	20121202	Microsoft Office Excel MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
10	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	20121202	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
11	Microsoft Office Access Setup Metadata MUI (English) 2010	20121202	Microsoft Office Access Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
12	Microsoft Office PowerPoint MUI (English) 2010	20121202	Microsoft Office PowerPoint MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
13	Microsoft Office Publisher MUI (English) 2010	20121202	Microsoft Office Publisher MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
14	Microsoft Office Outlook MUI (English) 2010	20121202	Microsoft Office Outlook MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
15	Microsoft Office Office 64-bit Components 2010	20121202	Microsoft Office Office 64-bit Components 2010	Microsoft Corporation	14.0.7015.1000
16	Microsoft Office Shared 64-bit MUI (English) 2010	20121202	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
17	Microsoft Office Groove MUI (English) 2010	20121202	Microsoft Office Groove MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
18	Microsoft Office Word MUI (English) 2010	20121202	Microsoft Office Word MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
19	Microsoft Office Proofing (English) 2010	20121202	Microsoft Office Proofing (English) 2010	Microsoft Corporation	14.0.7015.1000
20	Microsoft Office Shared MUI (English) 2010	20121202	Microsoft Office Shared MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
21	Microsoft Office Proof (English) 2010	20121202	Microsoft Office Proof (English) 2010	Microsoft Corporation	14.0.7015.1000
22	Microsoft Office Proof (Spanish) 2010	20121202	Microsoft Office Proof (Spanish) 2010	Microsoft Corporation	14.0.7015.1000
23	Microsoft Office Proof (French) 2010	20121202	Microsoft Office Proof (French) 2010	Microsoft Corporation	14.0.7015.1000
24	Microsoft Office Visio 2010	20140911	Microsoft Office Visio 2010	Microsoft Corporation	14.0.7015.1000
25	ZENworks Agent Inventory Management	20121026	ZENworks Agent Inventory Management	Novell, Inc.	11.2.0.16054
26	MSXML 4.0 SP3 Parser (KB2758694)	20140925	MSXML 4.0 SP3 Parser (KB2758694)	Microsoft Corporation	4.30.2117.0
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	20120731	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	Microsoft Corporation	9.0.30729.4148
28	CameraHelperMsi	20120825	CameraHelperMsi	Logitech	13.50.854.0
29	actions-langs	20121026	actions-langs	Novell, Inc.	11.2.0.16054
30	LWS Twitter	20120802	LWS Twitter	Logitech	13.30.1346.0

Convert Text to Columns Wizard - Step 1 of 3

The Text Wizard has determined that your data is Fixed Width.
If this is correct, choose Next, or choose the data type that best describes your data.

Original data type

Choose the file type that best describes your data:

- Delimited - Characters such as commas or tabs separate each field.
- Fixed width - Fields are aligned in columns with spaces between each field.

Preview of selected data:

```
1 Description
2 Secure Download Manager
3 Microsoft Office Professional Plus 2010
4 Microsoft Office OneNote MUI (English) 2010
5 Microsoft Office InfoPath MUI (English) 2010
```

Buttons: Cancel, < Back, Next >, Finish

This is the first screen in the Text to Columns wizard.

The data is not delimited or separated by a special character like comma. The data is a fixed width or a set size between data points. The presentation selects next to continue.

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto Solutions Inc.	3.1.60
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set field widths (column breaks).
Lines with arrows signify a column break.

To CREATE a break line, click at the desired position.
To DELETE a break line, double click on the line.
To MOVE a break line, click and drag it.

Data preview

10 20 30 40 50 60

Description
Secure Download Manager
Microsoft Office Professional Plus 2010
Microsoft Office OneNote MUI (English) 2010
Microsoft Office InfoPath MUI (English) 2010

Cancel < Back Next > Finish

The presentation slides the bar across the bottom of the Data preview to make sure the data is separated correctly.

22	Microsoft Office				
23	Microsoft Office				
24	Microsoft Office				
25	ZENworks Agen			Novell, Inc.	11.2.0.16054
26	MSXML 4.0 SP3			Microsoft Corporation	4.30.2117.0
27	Microsoft Visual	0731	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	Microsoft Corporation	
28	CameraHelperM			Logitech	13.50.854.0
29	actions-langs			Novell, Inc.	11.2.0.16054
30	LWS Twitter			Logitech	13.30.1346.0

Ready Sheet1 Count: 140 100%

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto Solutions Inc.	3.1.60
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000
4	Microsoft Office OneNote MUI (English) 2010	20131203	Microsoft Office OneNote MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
5	Microsoft Office InfoPath MUI (English) 2010	20131203	Microsoft Office InfoPath MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
6	Microsoft Office Visio MUI (English) 2010	20131203	Microsoft Office Visio MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
7	Microsoft Office Access MUI (English) 2010	20131203	Microsoft Office Access MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
8	Microsoft Office Shared Setup Metadata MUI (English) 2010	20131203	Microsoft Office Shared Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
9	Microsoft Office Excel MUI (English) 2010	20131203	Microsoft Office Excel MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
10	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	20131203	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
11	Microsoft Office Access Setup Metadata MUI (English) 2010	20131203	Microsoft Office Access Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
12	Microsoft Office PowerPoint MUI (English) 2010	20131203	Microsoft Office PowerPoint MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
13	Microsoft Office Publisher MUI (English) 2010	20131203	Microsoft Office Publisher MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
14	Microsoft Office Outlook MUI (English) 2010	20131203	Microsoft Office Outlook MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
15	Microsoft Office Office 64-bit Components 2010	20131203	Microsoft Office Office 64-bit Components 2010	Microsoft Corporation	14.0.7015.1000
16	Microsoft Office Shared 64-bit MUI (English) 2010	20131203	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
17	Microsoft Office Groove MUI (English) 2010	20131203	Microsoft Office Groove MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
18	Microsoft Office Word MUI (English) 2010	20131203	Microsoft Office Word MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
19	Microsoft Office Proofing (English) 2010	20131203	Microsoft Office Proofing (English) 2010	Microsoft Corporation	14.0.7015.1000
20	Microsoft Office Shared MUI (English) 2010	20131203	Microsoft Office Shared MUI (English) 2010	Microsoft Corporation	14.0.7015.1000
21	Microsoft Office Proof (English) 2010	20131203	Microsoft Office Proof (English) 2010	Microsoft Corporation	14.0.7015.1000
22	Microsoft Office Word 2010	20131203	Microsoft Office Word 2010	Microsoft Corporation	14.0.7015.1000
23	Microsoft Office Word 2010	20131203	Microsoft Office Word 2010	Microsoft Corporation	14.0.7015.1000
24	Microsoft Office Word 2010	20131203	Microsoft Office Word 2010	Microsoft Corporation	14.0.7015.1000
25	ZENworks Agent Inventory Management	11.2.0.16054		Novell, Inc.	11.2.0.16054
26	MSXML 4.0 SP3 Parser (KB2758694)	4.30.2117.0		Microsoft Corporation	4.30.2117.0
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	9.0.30729.4148		Microsoft Corporation	9.0.30729.4148
28	Logitech	13.50.854.0		Logitech	13.50.854.0
29	Novell, Inc.	11.2.0.16054		Novell, Inc.	11.2.0.16054
30	Logitech	13.30.1346.0		Logitech	13.30.1346.0

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set field widths (column breaks).
Lines with arrows signify a column break.

To CREATE a break line, click at the desired position.
To DELETE a break line, double click on the line.
To MOVE a break line, click and drag it.

Data preview

InstallDate	Name
20140129	Secure Download Manager
20140911	Microsoft Office Professional Plus 2010
20131203	Microsoft Office OneNote MUI (English) 2010
20131203	Microsoft Office InfoPath MUI (English) 2010

Cancel < Back Next > Finish

The presentation slides the bar across the bottom of the Data preview to make sure the data is separated correctly.

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto Solutions Inc.	3.1.60
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set field widths (column breaks).
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To CREATE a break line, click at the desired position.
To DELETE a break line, double click on the line.
To MOVE a break line, click and drag it.

Data preview

Vendor	Version
Kivuto Solutions Inc.	3.1.60
Microsoft Corporation	14.0.7015.1000
Microsoft Corporation	14.0.7015.1000
Microsoft Corporation	14.0.7015.1000

Cancel < Back Next > Finish

The presentation slides the bar across the bottom of the Data preview to make sure the data is separated correctly.

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto Solutions Inc.	3.1.60
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set field widths (column breaks).
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To CREATE a break line, click at the desired position.
To DELETE a break line, double click on the line.
To MOVE a break line, click and drag it.

Data preview

Vendor	Version
Kivuto Solutions Inc.	3.1.60
Microsoft Corporation	14.0.7015.1000
Microsoft Corporation	14.0.7015.1000
Microsoft Corporation	14.0.7015.1000

Buttons: Cancel, < Back, Next >, Finish

The presentation is happy with the data separation. The presentation selects the next button.

Product_graph_demo_01.xlsx - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

A1	Description	InstallDate	Name	Vendor	Version
1	Description	InstallDate	Name	Vendor	Version
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto Solutions Inc.	3.1.60
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000

Convert Text to Columns Wizard - Step 3 of 3

This screen lets you select each column and set the Data Format.

Column data format

- General
- Text
- Date: MDY
- Do not import column (skip)

'General' converts numeric values to numbers, date values to dates, and all remaining values to text.

Advanced...

Destination: \$A\$1

Data preview

```

General
Description
Secure Download Manager
Microsoft Office Professional Plus 2010
Microsoft Office OneNote MUI (English) 2010
Microsoft Office InfoPath MUI (English) 2010

```

Cancel < Back Next > Finish

The presentation does not need to modify any advance settings. The presentation selects the finish button.

140911	Microsoft Office Visio 2010			Microsoft Corporation	14.0.7015.1000
20121026	ZENworks Agent Inventory Management			Novell, Inc.	11.2.0.16054
20140925	MSXML 4.0 SP3 Parser (KB2758694)			Microsoft Corporation	4.30.2117.0
9.0.30729.4148	20120731	Microsoft Visual C++ 2008 Redistributable - x64	9.0.30729.4148	Microsoft Corporation	
0825	CameraHelperMsi			Logitech	13.50.854.0
	actions-langs			Novell, Inc.	11.2.0.16054
	LWS Twitter			Logitech	13.30.1346.0

Ready Count: 140 100%

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

F1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Descriptio	InstallDat	Name	Vendor	Version										
2	Secure Do	20140129	Secure Do	Kivuto Sol	3.1.60										
3	Microsoft	20140911	Microsoft	Microsoft	14.0.7015.1000										
4	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
5	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
6	Microsoft	20140515	Microsoft	Microsoft	14.0.7015.1000										
7	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
8	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
9	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
10	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
11	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
12	Microsoft	20140409	Microsoft	Microsoft	14.0.7015.1000										
13	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
14	Microsoft	20140212	Microsoft	Microsoft	14.0.7015.1000										
15	Microsoft	20140515	Microsoft	Microsoft	14.0.7015.1000										
16	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
17	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
18	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
19	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
20	Microsoft	20131203	Microsoft	Microsoft	14.0.7015.1000										
21	Microsoft	20140812	Microsoft	Microsoft	14.0.7015.1000										
22	Microsoft	20140709	Microsoft	Microsoft	14.0.7015.1000										
23	Microsoft	20140709	Microsoft	Microsoft	14.0.7015.1000										
24	Microsoft	20140911	Microsoft	Microsoft	14.0.7015.1000										
25	ZENworks	20121026	ZENworks	Novell, In	11.2.0.16054										
26	MSXML 4.0	20140925	MSXML 4.0	Microsoft	4.30.2117.0										
27	Microsoft	20120731	Microsoft	Microsoft	9.0.30729.4148										
28	CameraHe	20120825	CameraHe	Logitech	13.50.854.0										
29	actions-la	20121026	actions-la	Novell, In	11.2.0.16054										
30	LWS Twitt	20120802	LWS Twitt	Logitech	13.30.1346.0										

The data is separated into separate cells.

Product_graph_demo_01.xlsx - Microsoft Excel

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From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

	A	B	C	
1	Description	InstallDate	Name	Vendor
2	Secure Download Manager	20140129	Secure Download Manager	Kivuto So
3	Microsoft Office Professional Plus 2010	20140911	Microsoft Office Professional Plus 2010	Microsoft
4	Microsoft Office OneNote MUI (English) 2010	20131203	Microsoft Office OneNote MUI (English) 2010	Microsoft
5	Microsoft Office InfoPath MUI (English) 2010	20131203	Microsoft Office InfoPath MUI (English) 2010	Microsoft
6	Microsoft Office Visio MUI (English) 2010	20140515	Microsoft Office Visio MUI (English) 2010	Microsoft
7	Microsoft Office Access MUI (English) 2010	20131203	Microsoft Office Access MUI (English) 2010	Microsoft
8	Microsoft Office Shared Setup Metadata MUI (English) 2010	20131203	Microsoft Office Shared Setup Metadata MUI (English) 2010	Microsoft
9	Microsoft Office Excel MUI (English) 2010	20131203	Microsoft Office Excel MUI (English) 2010	Microsoft
10	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	20131203	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	Microsoft
11	Microsoft Office Access Setup Metadata MUI (English) 2010	20131203	Microsoft Office Access Setup Metadata MUI (English) 2010	Microsoft
12	Microsoft Office PowerPoint MUI (English) 2010	20140409	Microsoft Office PowerPoint MUI (English) 2010	Microsoft
13	Microsoft Office Publisher MUI (English) 2010	20131203	Microsoft Office Publisher MUI (English) 2010	Microsoft
14	Microsoft Office Outlook MUI (English) 2010	20140212	Microsoft Office Outlook MUI (English) 2010	Microsoft
15	Microsoft Office Office 64-bit Components 2010	20140515	Microsoft Office Office 64-bit Components 2010	Microsoft
16	Microsoft Office Shared 64-bit MUI (English) 2010	20131203	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft
17	Microsoft Office Groove MUI (English) 2010			Microsoft
18	Microsoft Office Word MUI (English) 2010			Microsoft
19	Microsoft Office Proofing (English) 2010			Microsoft
20	Microsoft Office Shared MUI (English) 2010			Microsoft
21	Microsoft Office Proof (English) 2010			Microsoft
22	Microsoft Office Proof (Spanish) 2010			Microsoft
23	Microsoft Office Proof (French) 2010			Microsoft
24	Microsoft Office Visio 2010			Microsoft
25	ZENworks Agent Inventory Management			Novell, In
26	MSXML 4.0 SP3 Parser (KB2758694)			Microsoft
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148			Microsoft
28	CameraHelperMsi			Logitech
29	actions-langs			Novell, In
30	LWS Twitter	20120802	LWS Twitter	Logitech

The presentation resized the columns to see the data better.

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

	C	D	E	F	G	H
1	Name	Vendor	Version	Vendor_list	Vendor_count	
2	Secure Download Manager	Kivuto Solutions Inc.	3.1.60			
3	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000			
4	Microsoft Office OneNote MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
5	Microsoft Office InfoPath MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
6	Microsoft Office Visio MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
7	Microsoft Office Access MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
8	Microsoft Office Shared Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
9	Microsoft Office Excel MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
10	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
11	Microsoft Office Access Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
12	Microsoft Office PowerPoint MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
13	Microsoft Office Publisher MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
14	Microsoft Office Outlook MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
15	Microsoft Office Office 64-bit Components 2010	Microsoft Corporation	14.0.7015.1000			
16	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
17	Microsoft Office Groove MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
18	Microsoft Office Word MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
19	Microsoft Office Proofing (English) 2010	Microsoft Corporation	14.0.7015.1000			
20	Microsoft Office Shared MUI (English) 2010	Microsoft Corporation	14.0.7015.1000			
21	Microsoft Office Proof (English) 2010	Microsoft Corporation	14.0.7015.1000			
22	Microsoft Office Proof (Spanish) 2010	Microsoft Corporation	14.0.7015.1000			
23	Microsoft Office Proof (French) 2010	Microsoft Corporation	14.0.7015.1000			
24	Microsoft Office Visio 2010	Microsoft Corporation	14.0.7015.1000			
25	ZENworks Agent Inventory Management	Novell, Inc.	11.2.0.16054			
26	MSXML 4.0 SP3 Parser (KB2758694)	Microsoft Corporation	4.30.2117.0			
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	Microsoft Corporation	9.0.30729.4148			
28	CameraHelperMsi	Logitech	13.50.854.0			
29	actions-langs	Novell, Inc.	11.2.0.16054			
30	LWS Twitter	Logitech	13.30.1346.0			

The presentation adds to new column names at the end of the data listing.

Product_graph_demo_01.xlsx - Microsoft Excel

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From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

F2 Kivuto Solutions Inc.

	C	D	E	F	G
1	Name	Vendor	Version	Vendor_list	Vendor_count
2	Secure Download Manager	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	
3	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation	
4	Microsoft Office OneNote MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
5	Microsoft Office InfoPath MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
6	Microsoft Office Visio MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
7	Microsoft Office Access MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
8	Microsoft Office Shared Setup Meta	Microsoft Corporation	14.0.7015.1000		
9	Microsoft Office Excel MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
10	Microsoft Office Shared 64-bit Setup	Microsoft Corporation	14.0.7015.1000		
11	Microsoft Office Access Setup Meta	Microsoft Corporation	14.0.7015.1000		
12	Microsoft Office PowerPoint MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
13	Microsoft Office Publisher MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
14	Microsoft Office Outlook MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
15	Microsoft Office Office 64-bit Component	Microsoft Corporation	14.0.7015.1000		
16	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
17	Microsoft Office Groove MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
18	Microsoft Office Word MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
19	Microsoft Office Proofing (English) 2010	Microsoft Corporation	14.0.7015.1000		
20	Microsoft Office Shared MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
21	Microsoft Office Proof (English) 2010	Microsoft Corporation	14.0.7015.1000		
22	Microsoft Office Proof (Spanish) 2010	Microsoft Corporation	14.0.7015.1000		
23	Microsoft Office Proof (French) 2010	Microsoft Corporation	14.0.7015.1000		
24	Microsoft Office Visio 2010	Microsoft Corporation	14.0.7015.1000		
25	ZENworks Agent Inventory Management	Novell, Inc.	11.2.0.16054		
26	MSXML 4.0 SP3 Parser (KB2758694)	Microsoft Corporation	4.30.2117.0		
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	Microsoft Corporation	9.0.30729.4148		
28	CameraHelperMsi	Logitech	13.50.854.0		
29	actions-langs	Novell, Inc.	11.2.0.16054		
30	LWS Twitter	Logitech	13.30.1346.0		

The presentation copies Vendor names from the D column to the F column.

The presentation copies Vendor names from the D column to the F column.

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

F14 QUALCOMM

	C	D	E	F	G
1	Name	Vendor	Version	Vendor_list	Vendor_cour
2	Secure Download Manager	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	
3	Microsoft Office Professional Plus 2010	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation	
4	Microsoft Office OneNote MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Novell, Inc.	
5	Microsoft Office InfoPath MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Logitech	
6	Microsoft Office Visio MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Novell	
7	Microsoft Office Access MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Logitech	
8	Microsoft Office Shared Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	
9	Microsoft Office Excel MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	The Eraser Project	
10	Microsoft Office Shared 64-bit Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Oracle	
11	Microsoft Office Access Setup Metadata MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Cisco Systems, Inc.	
12	Microsoft Office PowerPoint MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	Adobe Systems Incorporated	
13	Microsoft Office Publisher MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	
14	Microsoft Office Outlook MUI (English) 2010	Microsoft Corporation	14.0.7015.1000	QUALCOMM	
15	Microsoft Office Office 64-bit Components 2010	Microsoft Corporation	14.0.7015.1000		
16	Microsoft Office Shared 64-bit MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
17	Microsoft Office Groove MUI (English) 2010	Microsoft Corporation	14.0.7015.1000		
18	Microsoft Office Word MUI (English) 2010	Microsoft Corporation			
19	Microsoft Office Proofing (English) 2010	Microsoft Corporation			
20	Microsoft Office Shared MUI (English) 2010	Microsoft Corporation			
21	Microsoft Office Proof (English) 2010	Microsoft Corporation			
22	Microsoft Office Proof (Spanish) 2010	Microsoft Corporation			
23	Microsoft Office Proof (French) 2010	Microsoft Corporation			
24	Microsoft Office Visio 2010	Microsoft Corporation			
25	ZENworks Agent Inventory Management	Novell, Inc.			
26	MSXML 4.0 SP3 Parser (KB2758694)	Microsoft Corporation			
27	Microsoft Visual C++ 2008 Redistributable - x64 9.0.30729.4148	Microsoft Corporation			
28	CameraHelperMsi	Logitech	13.50.854.0		
29	actions-langs	Novell, Inc.	11.2.0.16054		
30	LWS Twitter	Logitech	13.30.1346.0		

The presentation finally has all the Vendor names copied from column D into column F. It is better to copy the names than type.

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Properties Edit Links Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal

G2

fx

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor_list	Vendor count						
2	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.							
3	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation							
4	Microsoft Corporation	14.0.7015.1000	Novell, Inc.							
5	Microsoft Corporation	14.0.7015.1000	Logitech							
6	Microsoft Corporation	14.0.7015.1000								
7	Microsoft Corporation	14.0.7015.1000								
8	Microsoft Corporation	14.0.7015.1000								
9	Microsoft Corporation	14.0.7015.1000								
10	Microsoft Corporation	14.0.7015.1000								
11	Microsoft Corporation	14.0.7015.1000								
12	Microsoft Corporation	14.0.7015.1000								
13	Microsoft Corporation	14.0.7015.1000								
14	Microsoft Corporation	14.0.7015.1000								
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

The presentation will put the Vendor count formula into this cell.

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G2 X ✓ fx =

The presentation select the formula symbol or fx from the formula line.

Insert Function

Search for a function:

countif

Or select a category: Most Recently Used

Select a function:

COUNTIF
CONCATENATE
IF
COUNT
TODAY
LEN
SUM

COUNTIF(range,criteria)

Counts the number of cells within a range that meet the given condition.

[Help on this function](#)

OK

Cancel

The presentation types countif in the search for a function. The presentation selects OK in the Insert Function wizard.

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Vendor	Vendor_list	Vendor_count						
2			Kivuto Solutions Inc.	=						
3		5.1000	Microsoft Corporation							
4		5.1000	Novell, Inc.							
5		5.1000	Logitech							
6		5.1000	Novell, Inc.							
7		5.1000	Logitech							
8		5.1000	VMware							
9		5.1000	The B							
10		5.1000	Oracle							
11		5.1000	Cisco							
12	Microsoft Corporation	14.0.7015.1000	Adobe							
13	Microsoft Corporation	14.0.7015.1000	VMware							
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM							
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

Sheet1 Sheet2 Sheet3

Edit

100%

COUNTIF fx =COUNTIF(D2:D140,F2)

	D	E	F	G	H	I	J	K	L	M
2	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	=COUNTIF(D2:D140,F2)						
3	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation							
4	Microsoft Corporation	14.0.7015.1000	Novell, Inc.							
5	Microsoft Corporation	14.0.7015.1000	Logitech							
6	Microsoft Corporation	14.0.7015.1000	Novell							
7	Microsoft Corporation	14.0.7015.1000	Logitech							
8	Microsoft Corporation	14.0.7015.1000	VMware, Inc.							
9	Microsoft Corporation	14.0.7015.1000	The Eraser Project							
10	Microsoft Corporation	14.0.7015.1000	Oracle							
11	Microsoft Corporation	14.0.7015.1000	Cisco Systems, Inc.							
12	Microsoft Corporation	14.0.7015.1000	Adobe Systems, Inc.							
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.							
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM							
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								
31	Novell, Inc.	1.7.1767								

Function Arguments

COUNTIF

Range: D2:D140 = {"Kivuto Solutions Inc."; "Microsoft Corporation"; "Novell, Inc."; "Logitech"; "Novell"; "Logitech"; "VMware, Inc."; "The Eraser Project"; "Oracle"; "Cisco Systems, Inc."; "Adobe Systems, Inc."; "VMware, Inc."; "QUALCOMM"; "Novell, Inc."}

Criteria: F2 = "Kivuto Solutions Inc."

= 1

Counts the number of cells within a range that meet the given condition.

Criteria is the condition in the form of a number, expression, or text that defines which cells will be counted.

OK Cancel

The presentation selects the box with the first Vendor name. The presentation selects the OK box.

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G2 =COUNTIF(D2:D140,F2)

This is the formula in cell G2. The spreadsheet counted the number of times the contents of F2 is found in D2:D140.

This the answer from the formula.

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor_list	Vendor_count						
2			Solutions Inc.	1						
3			Soft Corporation							
4			, Inc.							
5			ch							
6			ch							
7			re, Inc.							
8			aser Pro							
9			ystems							
10			Microsoft Corporation							
11			Adobe System							
12			VMware, Inc.							
13			QUALCOMM							
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

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COUNTIF \times \checkmark f_x =COUNTIF(\$D\$2:\$D\$140,F2)

The presentation wants to just copy the formula. The presentation adds \$ as shown to the Range criteria.

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor	Vendor_count						
2			ns Inc.	F(\$D\$2:\$D\$140,						
3			poration							
4										
5										
6										
7										
8										
9			ject							
10										
11			s, Inc.							
12			ns Incorporated							
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

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From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

K19

fx

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor_list	Vendor_count						
2	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	1						
3	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation	45						
4	Microsoft Corporation	14.0.7015.1000	Novell, Inc.	53						
5	Microsoft Corporation	14.0.7015.1000	Logitech	11						
6	Microsoft Corporation	14.0.7015.1000	Novell	3						
7	Microsoft Corporation	14.0.7015.1000	Logitech	11						
8	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
9	Microsoft Corporation	14.0.7015.1000	The Eraser Project	1						
10	Microsoft Corporation	14.0.7015.1000	Oracle	1						
11	Microsoft Corporation	14.0.7015.1000	Cisco Systems, Inc.	4						
12	Microsoft Corporation	14.0.7015.1000	Adobe Systems Incorporated	2						
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM	1						
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.1605								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

The presentation copies the formula in to the other cells in column G as shown.

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

G3 =COUNTIF(\$D\$2:\$D\$140,F3)

Compare this formula to the next slide.

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor	Vendor_count						
2	Kivuto S		ns Inc.	1						
3	Microso		oration	45						
4	Microso			53						
5	Microso			11						
6	Microso			3						
7	Microso			11						
8	Microso			10						
9	Microso		ject	1						
10	Microso			1						
11	Microso		Inc.	4						
12	Microsoft Corporation	14.0.7015.1000	Adobe Systems Incorporated	2						
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM	1						
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

File Home Insert Page Layout Formulas Data Review View

From Access From Web From Text From Other Sources Existing Connections Refresh All Connections Sort Filter Clear Reapply Advanced Text to Columns Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Outline

G4 =COUNTIF(\$D\$2:\$D\$140,F4)

Note, the \$ prevented the letters and numbers from changing. The criteria or cell after the comma did change.

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor list	Vendor_count						
2	Kivute Solutions Inc.	2.1.60	Kivute Solutions Inc.	1						
3	Microsoft Corporation		Microsoft Corporation	45						
4	Microsoft Corporation		Microsoft Corporation	53						
5	Microsoft Corporation		Microsoft Corporation	11						
6	Microsoft Corporation		Microsoft Corporation	3						
7	Microsoft Corporation		Microsoft Corporation	11						
8	Microsoft Corporation		Microsoft Corporation	10						
9	Microsoft Corporation		Microsoft Corporation	1						
10	Microsoft Corporation		Microsoft Corporation	1						
11	Microsoft Corporation		Microsoft Corporation	4						
12	Microsoft Corporation		Microsoft Corporation	2						
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM	1						
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
24	Microsoft Corporation	14.0.7015.1000								
25	Novell, Inc.	11.2.0.16054								
26	Microsoft Corporation	4.30.2117.0								
27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

File Home Insert Page Layout Formulas Data Review View

PivotTable Table Picture Clip Art SmartArt Screenshot

Column Line Area Line Column Slicer Hyperlink Text Box Header & Footer WordArt Signature Line Object

Charts Sparklines Filter Links Text Symbols

	D	E	F	G
1	Vendor	Version	Vendor_list	Vendor_count
2	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	1
3	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation	45
4	Microsoft Corporation	14.0.7015.1000	Novell, Inc.	53
5	Microsoft Corporation	14.0.7015.1000	Logitech	11
6	Microsoft Corporation	14.0.7015.1000	Novell	3
7	Microsoft Corporation	14.0.7015.1000	Logitech	11
8	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10
9	Microsoft Corporation	14.0.7015.1000	The Eraser Project	1
10	Microsoft Corporation	14.0.7015.1000	Oracle	1
11	Microsoft Corporation	14.0.7015.1000	Cisco Systems, Inc.	4
12	Microsoft Corporation	14.0.7015.1000	Adobe Systems Incorporated	2
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM	1
15	Microsoft Corporation	14.0.7015.1000		
16	Microsoft Corporation	14.0.7015.1000		
17	Microsoft Corporation	14.0.7015.1000		
18	Microsoft Corporation	14.0.7015.1000		
19	Microsoft Corporation	14.0.7015.1000		
20	Microsoft Corporation	14.0.7015.1000		
21	Microsoft Corporation	14.0.7015.1000		
22	Microsoft Corporation	14.0.7015.1000		
23	Microsoft Corporation	14.0.7015.1000		
24	Microsoft Corporation	14.0.7015.1000		
25	Novell, Inc.	11.2.0.16054		
26	Microsoft Corporation	4.30.2117.0		
27	Microsoft Corporation	9.0.30729.4148		
28	Logitech	13.50.854.0		
29	Novell, Inc.	11.2.0.16054		
30	Logitech	13.30.1346.0		

The presentation highlights or selects the data to graph. The presentation selects a graph type from the Insert menu.

Product_graph_demo_01.xlsx - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Design Layout Format

Change Chart Type Save As Template Type Data

Switch Row/Column Data Select Data

Chart Layouts Chart Styles

Move Chart Location

	D	E	F	G	H	I	J	K	L	M
1	Vendor	Version	Vendor_list	Vendor_count						
2	Kivuto Solutions Inc.	3.1.60	Kivuto Solutions Inc.	1						
3	Microsoft Corporation	14.0.7015.1000	Microsoft Corporation	45						
4	Microsoft Corporation	14.0.7015.1000	Novell, Inc.	53						
5	Microsoft Corporation	14.0.7015.1000	Logitech	11						
6	Microsoft Corporation	14.0.7015.1000	Novell	3						
7	Microsoft Corporation	14.0.7015.1000	Logitech	11						
8	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
9	Microsoft Corporation	14.0.7015.1000	The Eraser Project	1						
10	Microsoft Corporation	14.0.7015.1000	Oracle	1						
11	Microsoft Corporation	14.0.7015.1000	Cisco Systems, Inc.	4						
12	Microsoft Corporation	14.0.7015.1000	Adobe Systems Incorporated	2						
13	Microsoft Corporation	14.0.7015.1000	VMware, Inc.	10						
14	Microsoft Corporation	14.0.7015.1000	QUALCOMM	1						
15	Microsoft Corporation	14.0.7015.1000								
16	Microsoft Corporation	14.0.7015.1000								
17	Microsoft Corporation	14.0.7015.1000								
18	Microsoft Corporation	14.0.7015.1000								
19	Microsoft Corporation	14.0.7015.1000								
20	Microsoft Corporation	14.0.7015.1000								
21	Microsoft Corporation	14.0.7015.1000								
22	Microsoft Corporation	14.0.7015.1000								
23	Microsoft Corporation	14.0.7015.1000								
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25	Novell, Inc.	11.2.0.16054								
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27	Microsoft Corporation	9.0.30729.4148								
28	Logitech	13.50.854.0								
29	Novell, Inc.	11.2.0.16054								
30	Logitech	13.30.1346.0								

The presentation resized the graph for readability.

