

# Fehler gefunden?



Tester



Developer



Manager

# Aktuelle Power-Tools von Microsoft

Ynte Jan Kuindersma (NL)

BIRD Automation


AEK Nürnberg/Düsseldorf/Hannover 2016

# Power Nap?




“a short sleep taken during the working day in order to restore one's mental alertness.”


# Azure in Deutschland ab 21.9.2016

 > [Groepen](#) > [Microsoft Cloud Power](#) > [Microsoft Cloud Deutschland/ Rechenzentren verfügbar](#)


Word nu Premium! [Meer informatie](#)





## Microsoft Cloud Power

[Notificaties beheren](#)  
[Meer](#) 

[Bijdragen](#)[Events](#)[Groepsleden](#)



**Thino Ullmann** 

Gepubliceerd in: [Windows Azure - News](#) / [Interessantes](#) - 21-09-2016, 09:30 u

### Microsoft Cloud Deutschland/ Rechenzentren verfügbar

Am heutigen Tag sind die deutschen Microsoft Rechenzentren mit dem Dienst/ Produkt Azure offiziell online gegangen. Zum aktuellen Zeitpunkt sind noch nicht alle Dienste verfügbar und weitere werden nach und nach folgen, wie zum Beispiel Office 365.


Anbei ein paar Links zu diesem Themenkomplex

Ankündigung: <http://tinyurl.com/z4w6xmp>  
Homepage: <https://www.microsoft.com/de-de/cloud/default.aspx>  
Datacenter Regionen (Übersicht): <https://azure.microsoft.com/en-us/regions/>


Der folgende Link gibt einen sehr guten Überblick über die Dienste, die bereits über die RZ in Deutschland bezogen werden können:  
Link: <https://azure.microsoft.com/en-us/regions/services/>


Bei Fragen stehe selbstverständlich zur Verfügung.






Grüße,  
Thino Ullmann



#### Moderators











**Manuela Hofmann**   
webguerillas GmbH



[Info over moderators](#)

#### Leden



>2000

[Alle leden](#)

# Aktuelle Power-Tools

- Power Apps

- Office 365

- Azure Logic Apps

- Azure: Logic Apps
  - Office 365/Power Apps: Flow

- Power BI

- Office 365
  - Azure



Remote Apps?

# Power Apps I

- Schnell mal ein Interface zusammenklicken
  - Microsoft Common Data Model
  - SharePoint list
  - SQL Server database (Azure oder eigene)
  - Salesforce / Dynamics CRM
  - Excel on Onedrive/Dropbox/Google Drive
- Online oder lokal am Rechner/Tablet/Phone
- <https://web.powerapps.com>

# Power Apps II - online

The screenshot shows the Microsoft Power Apps web interface in a browser. The browser's address bar displays 'web.powerapps.com/#/home'. The interface features a green header bar with 'Office 365' and 'PowerApps' labels, along with settings, download, and help icons. A dark sidebar on the left contains navigation options: Home, My apps, Flows, Learn, and Manage. The main content area greets the user with 'Hi, Ynte. Let's get started!'. Under the 'My apps' section, there is a card for 'Klanten onedrive by Ynte Jan Kuindersma'. The 'Sample apps' section displays four app tiles: 'Service Desk by Microsoft' (purple), 'Budget Tracker by Microsoft' (blue), 'Site Inspection by Microsoft' (orange), and 'Cost Estimator by Microsoft' (teal). Each tile includes a 'Preview with sample data' button. A '+ New app' button is located at the bottom left of the main area. The Windows taskbar at the bottom shows various open applications and the system clock at 12:08.

Welkom! | Download | TN Applicatio | donkarls A | Beheren - | Micros X | PowerApp | PowerApp | Microsoft | PowerApp | Microsoft | PowerApp | + - □ X

← → ↺ | 🔒 web.powerapps.com/#/home

☆ Acer Accessoires ☆ bookmarklet.js

Office 365 | PowerApps

⚙️ ⬇️ ?

Home

My apps

Flows

Learn

Manage

Hi, Ynte. Let's get started!

**My apps**

✓ Klanten onedrive  
by Ynte Jan Kuindersma

**Sample apps**

Service Desk  
by Microsoft

Budget Tracker  
by Microsoft

Site Inspection  
by Microsoft

Cost Estimator  
by Microsoft

Preview with sample data

Preview with sample data

Preview with sample data

Preview with sample data

+ New app

Micro... aek\_2... Store

Powe... Postv... Twen... App -... AEK-... Bureaublad Ynte Jan Kuindersma

NLD 12:08



# Power Apps III - online

Welkom! | Download | TN Applicati | donkarls | Beheren | Microsoft | PowerAp | PowerAp | Powe X | Microsoft | PowerAp | Microsoft | PowerAp | +

web.powerapps.com/webplayer/app?source=portal&appId=%2fproviders%2fMicrosoft.PowerApps%2fapps%2f10111a-a642-07da-b56b-ebdf97f7e4f7

Acer Accessoires | bookmarklet.js

PowerApps

Install PowerApps | Help | Sign out

Klanten	↑↓	+
Search items		
1 rue Alsace-Lorraine		→
12 Orchestra Terrace		→
12, rue des Bouchers		→
120 Hanover Sq.		→
184, chaussée de Tournai		→
187 Suffolk Ln.		→
1900 Oak St.		→
2, rue du Commerce		→

Windows taskbar: Powe..., aek\_2..., Store, Twen..., App..., AEK..., Bureaublad, Ynte Jan Kuindersma, NLD, 12:09



































# Power Apps IV - lokal

App - PowerApps

Ynte Jan Kuindersma

Open

Search, Refresh, Sort, Browse

	<b>App</b> C:\Users\YnteJan\OneDrive\Documenten2\	Modified 21 minutes ago			
	<b>Asset Checkout</b> (By Microsoft) <a href="#">click to download</a>	Modified 2 months ago			
	<b>Budget Tracker</b> (By Microsoft) <a href="#">click to download</a>	Modified 3 months ago			
	<b>Cost Estimator</b> (By Microsoft) <a href="#">click to download</a>	Modified 2 months ago			
	<b>Klanten onedrive</b> (By Ynte Jan Kuindersma) <a href="#">click to download</a>	Modified 17 minutes ago			
	<b>Product Showcase</b> (By Microsoft) <a href="#">click to download</a>	Modified 2 months ago			
	<b>Service Desk</b> (By Microsoft) <a href="#">click to download</a>	Modified 3 months ago			
	<b>Site Inspection</b> (By Microsoft) <a href="#">click to download</a>	Modified 2 months ago			

Windows taskbar: Powe..., aek\_2..., Store, Spotify, Chrome, Word, PowerPoint, Outlook, Postv..., Excel, Cold..., App -..., AEK..., Bureaublad, Ynte Jan Kuindersma, NLD, 12:12

# Power Apps V - lokal

App - PowerApps

File Home Insert Design Content Action View Screen

New screen BrowseSc... Layouts Fill Border Reorder Align Group Search

Fill = fx RGBA(255,255,255,1)

**Klanten** ↑↓ +

Search items

1 rue Alsace-Lorraine	→
12 Orchestra Terrace	→
12, rue des Bouchers	→
120 Hanover Sq.	→
184, chaussée de Tournai	→
187 Suffolk Ln.	→
1900 Oak St.	→
2, rue du Commerce	→

BrowseScreen1

Layout ?

Data sources ?

60%

12:14

# Power Apps VI - neu

App - PowerApps

Ynte Jan Kuindersma

Create an app from your data

- Common Data Model  
Phone layout
- OneDrive for Business  
Phone layout
- Dynamics CRM Online  
Phone layout
- Salesforce  
Phone layout
- SharePoint  
Phone layout

Create an app

- Blank app  
Customize a blank app to fit your needs.  
Phone layout  
Tablet layout
- App templates  
Get a jumpstart with predesigned templates.  
Phone layout  
Tablet layout

Windows taskbar: Powe..., aek\_2..., Store, Spotify, Mail, Teams, Word, PowerPoint, Postv..., Excel, Robi..., App - ..., AEK-..., Bureaublad, Ynte Jan Kuindersma, NLD, 12:16

# Power Apps VII - mobil

The screenshot shows the PowerApps website interface. At the top, there's a navigation bar with 'Office 365' and 'PowerApps' tabs. Below this, a sidebar on the left contains links for 'Home', 'My apps', 'Flows', 'Learn', and 'Manage'. The main content area features a 'Hi, Ynte. Let's' greeting, followed by 'My apps' and 'Sample apps' sections. A central overlay is divided into two panels. The left panel, titled 'To use apps you and others have made, install PowerApps Mobile.', shows a smartphone displaying the PowerApps mobile app interface with a list of sample apps: 'AAA Reviews', 'Vehicle Location', 'Link Forms', 'Expense Manager', and 'Project Tasks'. Below this text are buttons for 'GET IT ON Google Play' and 'Download on the App Store'. The right panel, titled 'To create and edit apps, install PowerApps Studio.', shows a laptop displaying the PowerApps Studio web interface. Below this text is a button for 'Get it from Microsoft'. The background of the website shows a grid of sample app tiles, including 'Service Desk', 'Budget Tracker', 'Site Inspection', and 'Cost Estimator', each with a 'Preview with sample data' button. At the bottom, there's a 'New app' button and a Windows taskbar with various open applications.

web.powerapps.com/#/home?downloads

Office 365 PowerApps

Home My apps Flows Learn Manage

Hi, Ynte. Let's

My apps

Klanter by Ynte

Sample apps

Service Desk by Microsoft

Budget Tracker by Microsoft

Site Inspection by Microsoft

Cost Estimator by Microsoft

Preview with sample data

New app

To use apps you and others have made, install PowerApps Mobile.

GET IT ON Google Play Download on the App Store

To create and edit apps, install PowerApps Studio.

Get it from Microsoft

Windows taskbar: Micros..., Verken..., Store, Spotify, Outlook, Power..., Postva..., David..., AEK-p..., Bureaublad, Ynte Jan Kuindersma, 12:49

# Power Apps VIII - Flow

web.powerapps.com/#/gallery/logicflows/powerapps

Office 365 PowerApps

New

Flows

- All
- Automation
- Events & Calendar
- Collaboration
- CRM
- Maintenance
- Notifications
- PowerApps**
- Project Management
- Social

Don't need a template?

Create from blank

Add a Dynamics Case after email approval

```
graph TD; A[when: Button clicked in an app] --> B[then: Send an email approval]; B --> C[if approved: Create a new case in Dynamics CRM];
```

Ask for Discount Approval

```
graph TD; A[when: Button clicked in an app] --> B[then: Send email for approval]; B --> C[then: Notify result of approval];
```

Collect Feedback on Dropbox

```
graph TD; A[when: Button clicked in an app] --> B[then: Create text file in Dropbox]; B --> C[and then: Send an approval email]; C --> D[if rejected: Delete the file];
```

+ New app

Microsoft... Verkenner Store Spotify Power ap... Postvak l... RedOne -... Bureaublad Ynte Jan Kuindersma NLD 12:53

# Power Apps IX - Demo

- Im Browser ein Eingabeformular für eine XLSX-Datei in OneDrive erstellen.
- Fazit
  - für kleine Eingaben und Such-Anwendungen geeignet
  - Keine Programmierung möglich
  - Aber dafür Workflows....

“Excel ist das neue Access”

---

# Azure Logic Apps

**“Logic Apps provide a way to simplify and implement scalable integrations and workflows in the cloud.** It provides a visual designer to model and automate your process as a series of steps known as a workflow. There are many connectors across the cloud and on-premises to quickly integrate across services and protocols. A logic app begins with a trigger (like 'When an account is added to Dynamics CRM') and after firing can begin many combinations actions, conversions, and condition logic.”



---

# Azure Logic Apps

## ■ Begriffe

- Workflow
- Managed Connectors
- Triggers
- Actions
- Enterprise Integration Pack
  - Logic Apps includes capabilities from BizTalk.

# Azure Logic Apps

## ■ Workflow

- ❑ If Then
- ❑ Split
- ❑ For - Each
- ❑ Do Until

## ■ Managed connectors

- ❑ SQL Server, Microsoft CRM, Slack, Office 365 Mail, Dropbox, OneDrive, SAP (9/2016: preview), Wunderlist, Trello, Sharepoint, Salesforce

# Azure Logic Apps

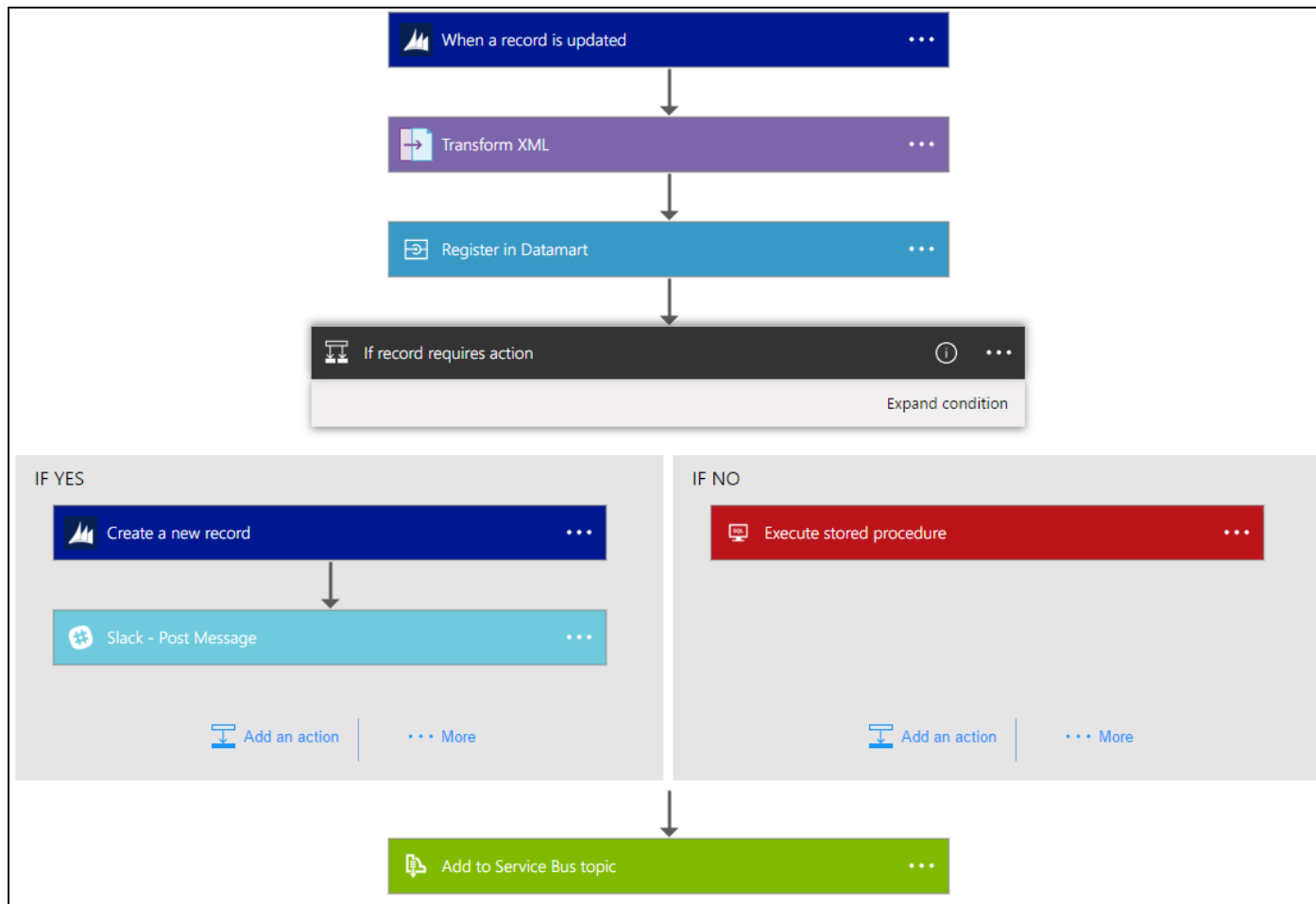
## ■ Triggers

- ❑ Schedule
- ❑ Polling
- ❑ HTTP request / Webhook
  - Web API

## ■ Actions

- ❑ Send mail Outlook / SMS (Twilio)
- ❑ Insert record in .....
- ❑ Copy file

# Azure Logic Apps



# Azure Logic Apps Designer I

Microsoft Azure Logic Apps - Microsoft portal.azure.com/#blade/HubsExtension/BrowseResourceBlade/resourceType/Microsoft.Logic%2Fworkflows

Microsoft Azure Logic Apps

Logic Apps  
BIRD automation

+ Add Columns Refresh

Subscriptions: birdautomation – Don't see a subscription? [Switch directories](#)

Filter items...

NAME	STATUS	RESOURCE GROUP	LOCATION	SUBSCRIPTION
LogicApp_4_sharepointlist	✓	aek-2016	West Europe	birdautomation ...
logicapp1	✓	aek-2016	West Europe	birdautomation ...
logicapp2	✓	aek-2016	West Europe	birdautomation ...
logicapp3-crm	✓	aek-2016	West Europe	birdautomation ...

Windows taskbar: Logic App..., Postvak I..., Spotify, AEK-powe..., Bureaublad, Ynte Jan Kuindersma, NLD, 22:03

# Azure Logic Apps Designer II

Microsoft Azure

Create logic app - Micro X Li

portal.azure.com/#create/Microsoft.EmptyWorkflow

Acer Accessoires bookmarklet.js

Microsoft Azure Logic Apps > Create logic app

Search 4 Settings Smile Help

cursist1@hotmail.com BIRD AUTOMATION

Create logic app Logic App

+ New

Resource groups

All resources

Recent

App Services

SQL databases

Virtual machines (classic)

Virtual machines

Cloud services (classic)

Subscriptions

Application Insights

SQL servers

Logic Apps

More Services >


\* Name  
LogicApp\_Demo ✓

\* Subscription  
birdautomation ▼

\* Resource group ⓘ  
☐ Create new ☒ Use existing

aek-2016 ▼

Location  
West Europe ▼

 You can add triggers and actions to your Logic App after creation.

☐ Pin to dashboard

Create Automation options

Create log... LogicApp... Postvak I... Years & Ye... AEK-powe... Bureaublad Ynte Jan Kuindersma NLD 22:05

# Azure Logic Apps Designer III

Microsoft Azure

Logic Apps Designer - X Li

portal.azure.com/#resource/subscriptions/4b9e8613-2600-4978-98bd-4f6df9f457c3/resourceGroups/aek-2016/providers/Microsoft.Logic/workflows/LogicApp\_Demo/lk

Acer Accessoires bookmarklet.js

Microsoft Azure

Logic Apps > LogicApp\_Demo > Logic Apps Designer

Logic Apps Designer

Available APIs ? Help

Templates

Choose a template below to create your Logic App.

Blank LogicApp

Receive an X12 EDI document over AS2 and transform it to XML

Receive an AS2 payload and reply with an asynchronous or synchronous MDN to sender

VETER pipeline that receives a flat file over HTTP, converts it to XML and transforms the content to another format

When a new file is created in Dropbox, copy it to OneDrive

If you approve a new file in SharePoint, move it to a different folder

Logic App...

Postvak I...

Years & Ye...

AEK-powe...

Bureaublad

Ynte Jan Kuindersma

NLD

22:06



# Azure Logic Apps Designer IV Blank

The screenshot displays the Azure Logic Apps Designer web interface. The browser window shows the URL `portal.azure.com/#resource/subscriptions/4b9e8613-2600-4978-98bd-4f6df9f457c3/resourceGroups/aek-2016/providers/Microsoft.Logic/workflows/LogicApp_Demo/lk`. The interface includes a left-hand navigation pane with options like 'New', 'Resource groups', 'All resources', 'Recent', 'App Services', 'SQL databases', 'Virtual machines (classic)', 'Virtual machines', 'Cloud services (classic)', 'Subscriptions', 'Application Insights', 'SQL servers', 'Logic Apps', and 'More Services'. The main workspace is titled 'Logic Apps Designer' and contains a toolbar with 'Save', 'Discard', 'Designer', 'Code view', 'Templates', 'Available APIs', and 'Help'. A dropdown menu is open, showing a list of triggers under the heading 'Show Microsoft managed APIs'. The triggers listed are: Recurrence, HTTP, HTTP + Swagger, HTTP Webhook, Request, Box - When a file is created (Preview), Dropbox - When a file is created, and Dynamics CRM Online - When a record is created (Preview). Each trigger has an information icon to its right. The bottom of the image shows the Windows taskbar with various open applications and the system clock displaying 22:07.

Microsoft Azure

Logic Apps Designer - X Li

portal.azure.com/#resource/subscriptions/4b9e8613-2600-4978-98bd-4f6df9f457c3/resourceGroups/aek-2016/providers/Microsoft.Logic/workflows/LogicApp\_Demo/lk

Acer Accessoires bookmarklet.js

Microsoft Azure

Logic Apps > LogicApp\_Demo > Logic Apps Designer

Logic Apps Designer

Save Discard Designer Code view Templates Available APIs Help

Show Microsoft managed APIs

Search for more triggers

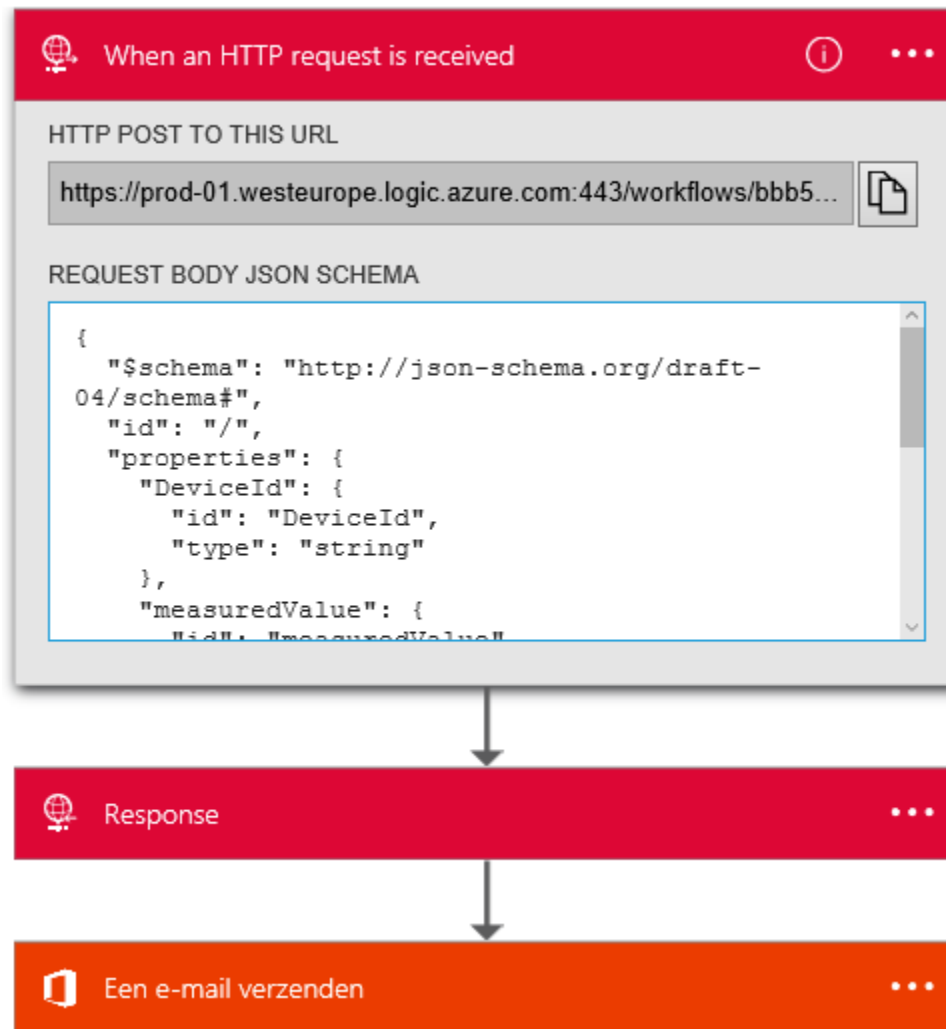
- Recurrence
- HTTP
- HTTP + Swagger
- HTTP Webhook
- Request
- Box - When a file is created (Preview)
- Dropbox - When a file is created
- Dynamics CRM Online - When a record is created (Preview)

Logic App... Postvak l... gnash - i ... AEK-powe... Bureaublad Ynte Jan Kuindersma NLD 22:07

# Azure Logic Apps - Demo

- Logic App aufrufen aus Access VBA
- Trigger: HTTP Request
  - Logic App ist also ein WEB API
- Mit Request wird JSON hochgeladen
- Logic App liest JSON und schickt Email mit Details aus JSON
- Benützte Hilfsmittel in VBA: Webclient von Tim Hall
  - <https://github.com/VBA-tools/VBA-Web>

# Azure Logic Apps – Design I



# Azure Logic Apps – JSON

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "id": "/",
  "properties": {
    "DeviceId": {
      "id": "DeviceId",
      "type": "string"
    },
    "measuredValue": {
      "id": "measuredValue",
      "type": "integer"
    },
    "measurementName": {
      "id": "measurementName",
      "type": "string"
    }
  },
  "required": [
    "DeviceId",
    "measurementName",
    "measuredValue"
  ],
  "type": "object"
}
```

# Azure Logic Apps – Design II

The diagram illustrates the configuration of a 'Response' action in an Azure Logic App workflow. A downward arrow points to the top of the configuration box, and another downward arrow points from the bottom of the box to a thick red horizontal line, representing the workflow's continuation point.

**Response**

**STATUS CODE\***

200

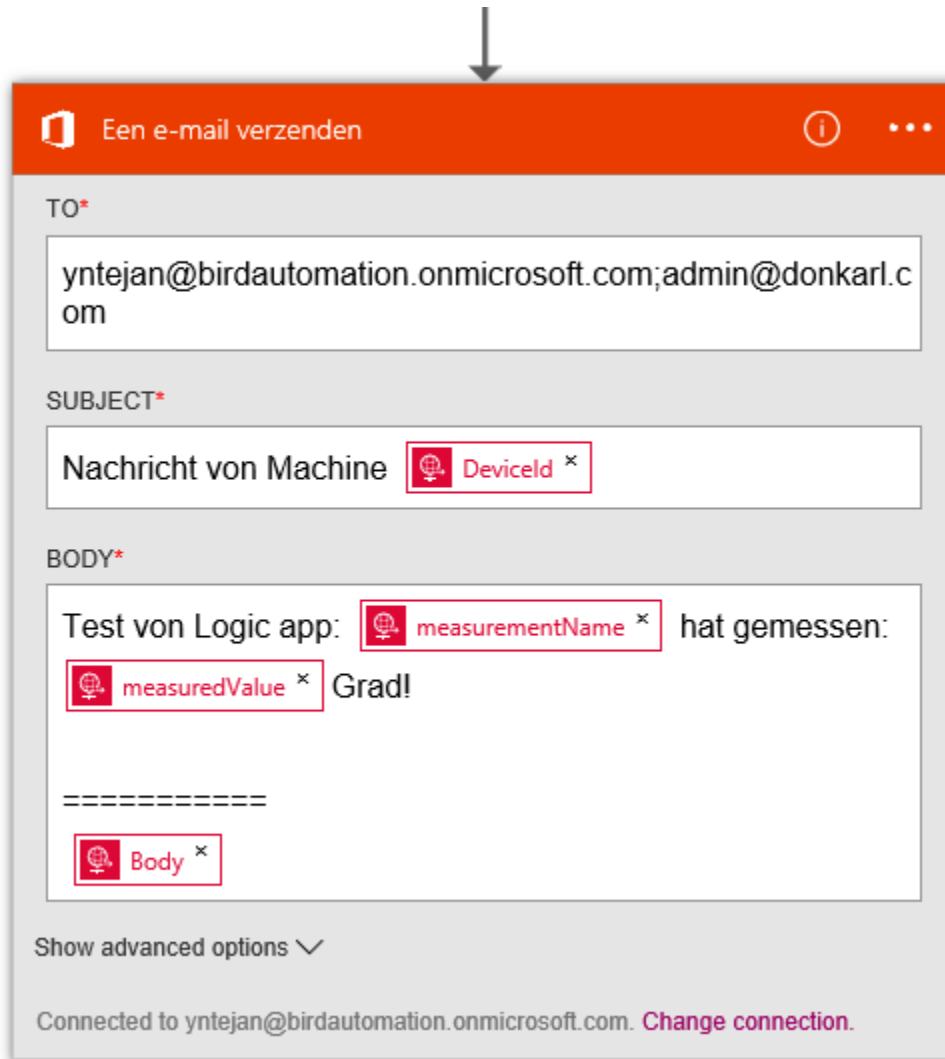
**HEADERS**

*Enter JSON object of response headers*

**BODY**

*Enter response content*

# Azure Logic Apps – Design III



The screenshot shows the configuration for an email action in an Azure Logic App. The title bar is orange and reads "Een e-mail verzenden". The configuration is divided into three main sections: TO\*, SUBJECT\*, and BODY\*. The TO\* field contains the email addresses "yntejan@birdautomation.onmicrosoft.com;admin@donkarl.com". The SUBJECT\* field contains the text "Nachricht von Machine" followed by a variable "DeviceId" with a red border and a close button. The BODY\* field contains the text "Test von Logic app:" followed by a variable "measurementName" with a red border and a close button, then "hat gemessen:" followed by a variable "measuredValue" with a red border and a close button, and finally "Grad!". Below this, there is a separator line "=====" and another variable "Body" with a red border and a close button. At the bottom, there is a link "Show advanced options" with a dropdown arrow, and a status bar indicating the connection to "yntejan@birdautomation.onmicrosoft.com" with a "Change connection" link.

Een e-mail verzenden

TO\*

yntejan@birdautomation.onmicrosoft.com;admin@donkarl.com

SUBJECT\*

Nachricht von Machine DeviceId ×

BODY\*

Test von Logic app: measurementName × hat gemessen:

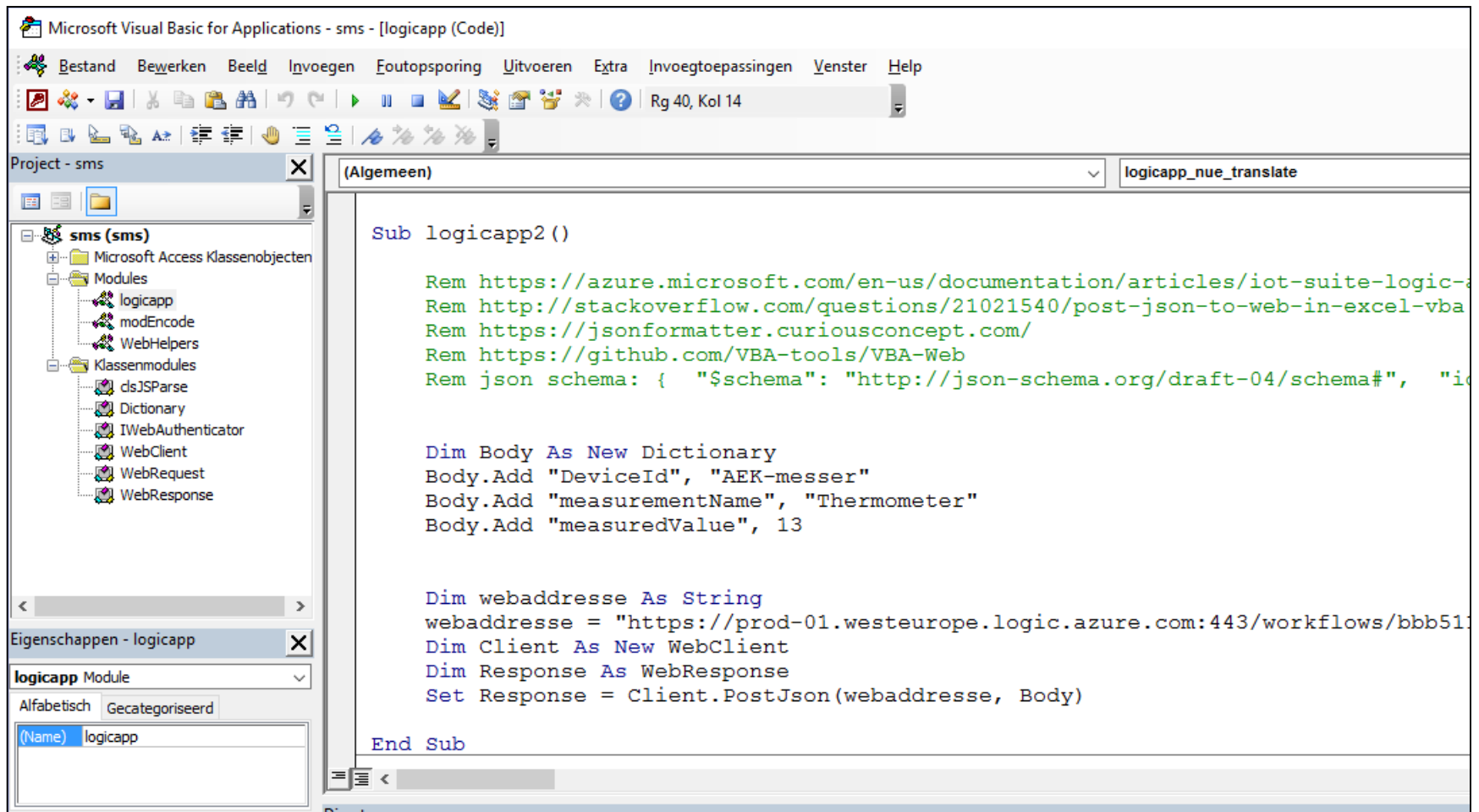
measuredValue × Grad!

=====  
Body ×

Show advanced options ▾

Connected to yntejan@birdautomation.onmicrosoft.com. [Change connection.](#)

# Azure Logic Apps aufrufen aus Access

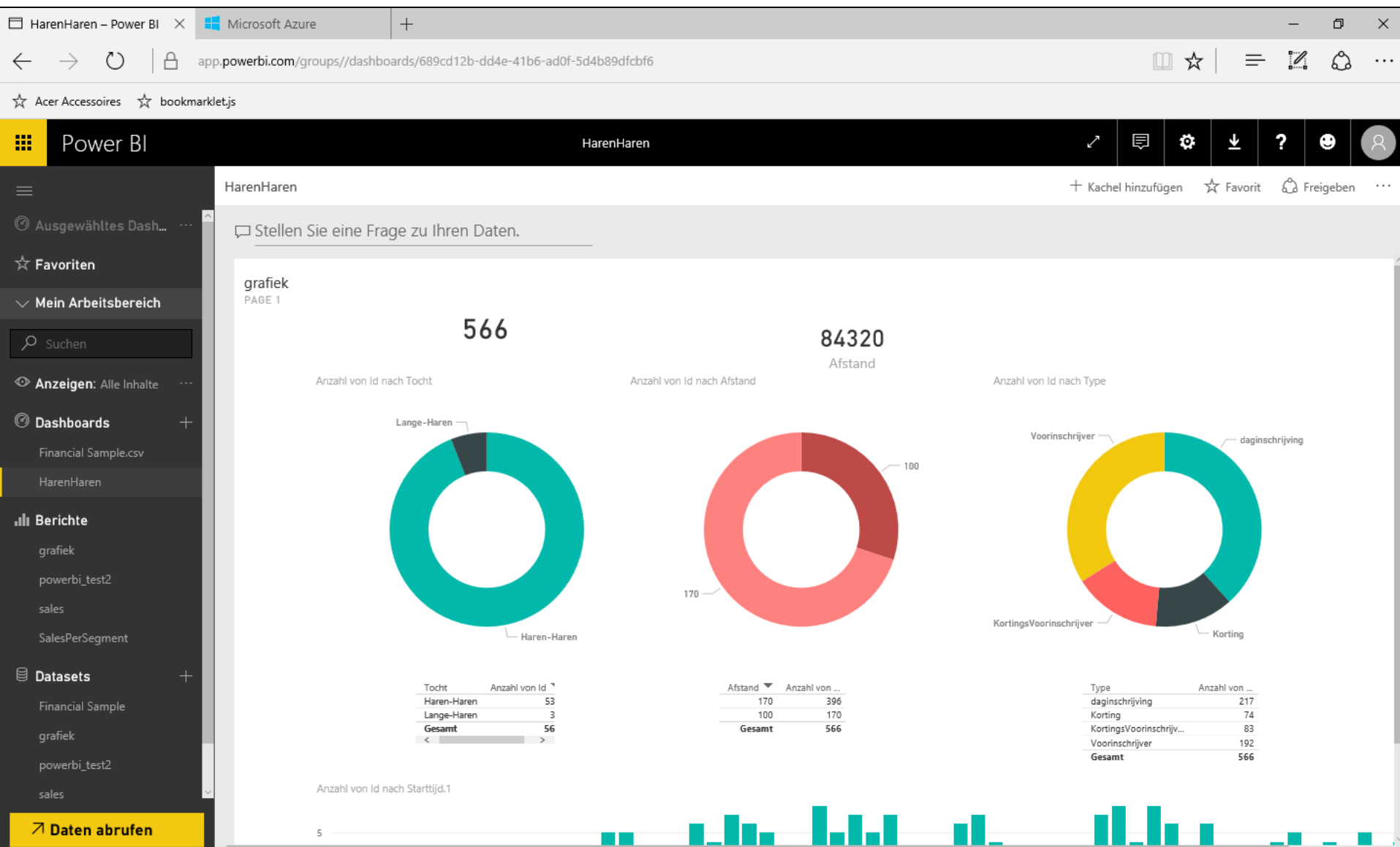




# Power BI

- Business Intelligence Dashboards!
- Online: Web-Variante auf <https://app.powerbi.com>
- Offline
  - “Power BI Desktop” Programm am PC
  - “Power BI Mobile” Apps am Tablet oder Mobil
- Data Analysis Expressions (DAX)
- Statistische Analyse (R)
- Im Prinzip gratis

# Power BI - Web



# Power BI - Web

- Q&A
  - Verkäufe pro Monat oder pro Land? Einfach eintippen....
- Dashboards
- Berichte
  - Online entwerfen
- Datensets
- Web API
- Daten in Cache oder „On Premise Connectors“

---

# Power BI - Web

- Demo

---

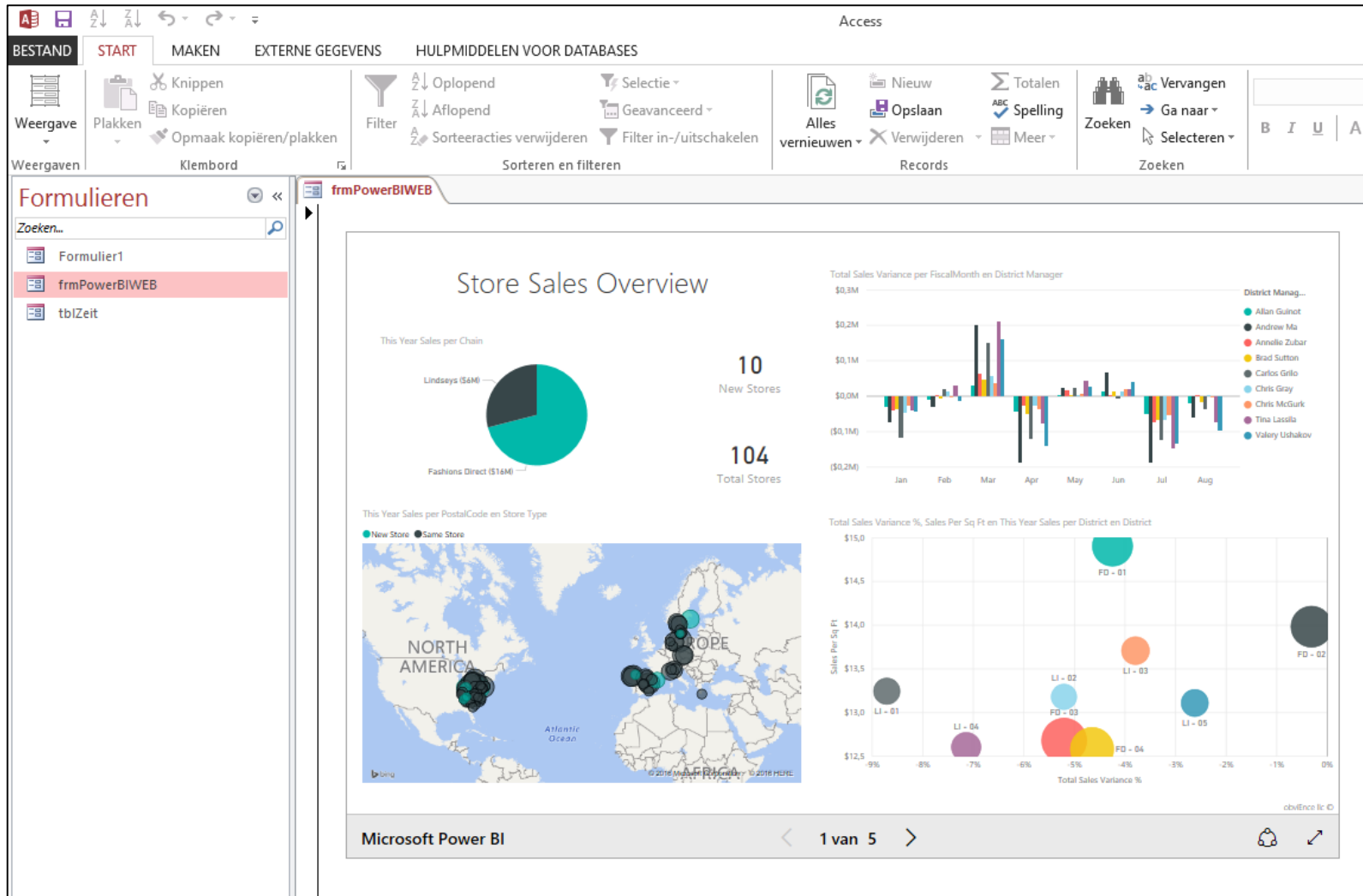
# Power BI – Office App

Total Stores

NEW & EXISTING STORES

104

# Power BI – Access Web Control



# Power BI - Desktop

The screenshot displays the Microsoft Power BI Desktop application. At the top, the title bar reads "Untitled - Power BI Desktop" with standard window controls. Below this is a ribbon with tabs for "Bestand", "Home", and "Modeling". The "Modeling" tab is active, showing a comprehensive set of icons for data operations (Get Data, Recent Sources, Enter Data, Edit Queries, Refresh), visualization creation (New Page, New Visual, Image, Shapes), and report management (Page View, Manage Relationships, New Measure, Publish). The main workspace is divided into three vertical panels. The left panel, titled "Power BI Desktop", lists recent data sources including "sales.pbix" and "Cleaning Irregularly Formatted Data.p...", each with its file path. The center panel features a large user icon and the text "Sign in to get the most out of Power BI", followed by a brief explanation of the benefits of signing in and a prominent yellow "Sign in" button. The right panel, titled "Fields", contains a search bar and links to "WHAT'S NEW", "POWER BI BLOG", "FORUMS", and "TUTORIALS". At the bottom of the window, a status bar indicates "Page 1" and "PAGE 1 OF 1".

Bestand Home Modeling

Clipboard

Get Data Recent Sources Enter Data Edit Queries Refresh

New Page New Visual Image Shapes

Page View Manage Relationships New Measure Publish

View Relationships Calculations Share

Power BI Desktop

Get Data

Recent Sources

sales.pbix  
C: » Users » YnteJan » OneDrive voor Bedrijven...

Cleaning Irregularly Formatted Data.p...  
C: » Users » YnteJan » OneDrive voor Bedrijven...

powerbi\_test2.pbix  
C: » Users » YnteJan » OneDrive voor Bedrijven...

powerbi\_test3.pbix  
C: » Users » YnteJan » OneDrive voor Bedrijven...

Open Other Reports

Sign in to get the most out of Power BI

Sign in to create dashboards and share, and get automatic insights from your data.

Learn more about Power BI

Sign in

Fields

Search

WHAT'S NEW  
Take a look at what's new and improved in Power BI in this month's update.

POWER BI BLOG  
Keep up to date with the latest news, resources, and updates from the Power BI team.

FORUMS  
Visit the Power BI Forum to ask questions or interact with other users in the Power BI community.

TUTORIALS  
Watch our tutorials to learn about all the powerful features inside of Power BI.

Page 1

PAGE 1 OF 1



# Power BI - Desktop

- Downloaden? (Achtung: 32 oder 64 Bit)  
<https://powerbi.microsoft.com/en-us/desktop/>
- Inklusive PowerQuery, PowerPivot, PowerMAP und viel mehr
- Funktioniert Offline
- Aber direkt Hochladen nach Portal  
<https://app.powerbi.com> möglich
- Sehr viele Datenquellen
- [Sehr viele Transformationsmöglichkeiten](#)

# Datenquellen

The screenshot displays the Microsoft Power BI Desktop interface. The title bar at the top indicates 'Untitled - Power BI Desktop'. The ribbon menu includes 'Bestand', 'Home', and 'Modeling'. The 'Modeling' tab is active, showing options like 'Get Data', 'Recent Sources', 'Enter Data', 'Edit Queries', 'Refresh', 'New Page', 'New Visual', 'Text Box', 'Image', 'Page View', 'Manage Relationships', 'New Measure', and 'Publish'. A 'Get Data' dialog box is open in the center, listing various data sources under the 'All' category. The 'Visualizations' pane on the right shows a grid of chart types, and the 'Fields' pane shows a search bar and sections for 'Values' and 'Filters'. The status bar at the bottom indicates 'Page 1 OF 1'.

Get Data

Search

All

File

Database

Azure

Online Services

Other

Excel

CSV

XML

Text

JSON

Folder

SharePoint Folder

SQL Server Database

Access Database

SQL Server Analysis Services Database

Oracle Database

IBM DB2 Database

IBM Informix Database (Beta)

MySQL Database

PostgreSQL Database

Sybase Database

Connect

Cancel

Visualizations

Fields

Search

Values

Drag data fields here

Filters

Page level filters

Drag data fields here

Report level filters

Drag data fields here

Page 1

# Verknüpfen

Bestand Home Modeling

Clipboard: Paste, Cut, Copy, Format Painter

External Data: Get Data, Recent Sources, Enter Data, Edit Queries, Refresh

Insert: New Page, New Visual, Text Box, Image, Shapes

View: Page View

Relationships: Manage Relationships

Calculations: New Measure

Share: Publish

Sign in

Orders

- OrderID
- CustomerID
- EmployeeID
- OrderDate
- RequiredDate
- ShippedDate
- ShipVia
- Freight
- ShipName
- ShipAddress
- ShipCity
- ShipRegion
- ShipPostalCode
- ShipCountry

Order Details

- OrderID
- ProductID
- UnitPrice
- Quantity

Products

- ProductID
- ProductName
- SupplierID
- CategoryID
- QuantityPerUnit
- UnitPrice
- UnitsInStock
- UnitsOnOrder
- ReorderLevel
- Discontinued

1 \* 1

Windows taskbar: Mobil..., demo, Word..., Postv..., Spotify, AEK-p..., Untitl..., Bureaublad, Ynte Jan Kuindersma, 21:30

# Transformieren im Query Editor

= Table.AddColumn("#dbo\_Order Details",  
"Summe", each [UnitPrice]\*[Quantity])

- Query Editor

Transform Add Column View

Enter Data Data Source Settings Manage Parameters Refresh Preview Properties Advanced Editor Manage Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Any Use First Row As Headers Replace Values

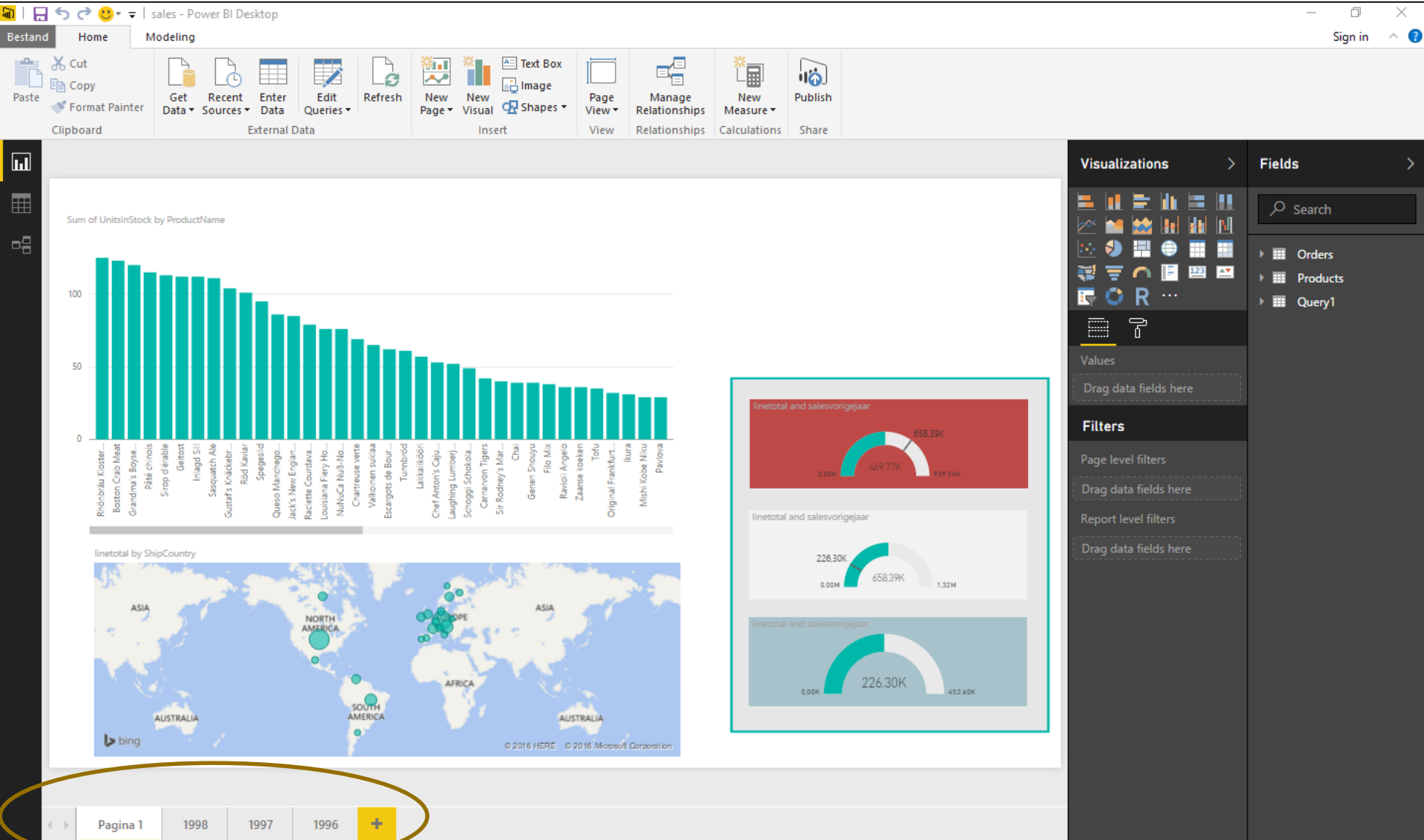
fx = Table.AddColumn("#dbo\_Order Details", "Summe", each [UnitPrice]\*[Quantity])

	123 OrderID	123 ProductID	\$ UnitPrice	1.2 Quantity	1.2 Discount	Orders	Products	ABC 123 Summe
1	10248	11	14	12	0	Value	Value	168
2	10248	42	9,8	10	0	Value	Value	98
3	10248	72	34,8	5	0	Value	Value	174
4	10249	14	18,6	9	0	Value	Value	167,4
5	10249	51	42,4	40	0	Value	Value	1696
6	10250	41	7,7	10	0	Value	Value	77
7	10250	51	42,4	35	0,150000006	Value	Value	1484
8	10250	65	16,8	15	0,150000006	Value	Value	252

# DAX

- `order1998:=calculate(count(Orders[OrderID]);year(Orders[OrderDate])=1998)`
- `umsatzletzesjahr = calculate(sum([linetotal]);dateadd(datumstabelle[date];-1;year))`
- `umsatz1996SAMEPERIOD = CALCULATE(sum(Order_Details[Omzet];SAMEPERIODLASTYEAR(Orders[OrderDate]);year(Orders[OrderDate])=1996)`
- `CALCULATE(<expression>,<filter1>,<filter2>...)`

# Dashboard anlegen



---

# Power BI – Desktop Demo

# Power BI und Access


## ■ Uservice

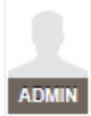
258  
votes

Vote

### Incorporate Power BI as an Add-in to New version of Access 2017

Since Pivots & Charts have been removed from Ver 2010 onwards, its been a big problem for us consultants to provide charting and pivoting features to our customers. These are features simply adored by our customers due to their ease of use. But after looking at Power BI I feel since its from the same Microsoft family the Access Team should consider incorporating it in their Next Product Planning process.

 [Manish Batola](#) shared this idea · October 13, 2015

 **ADMIN**

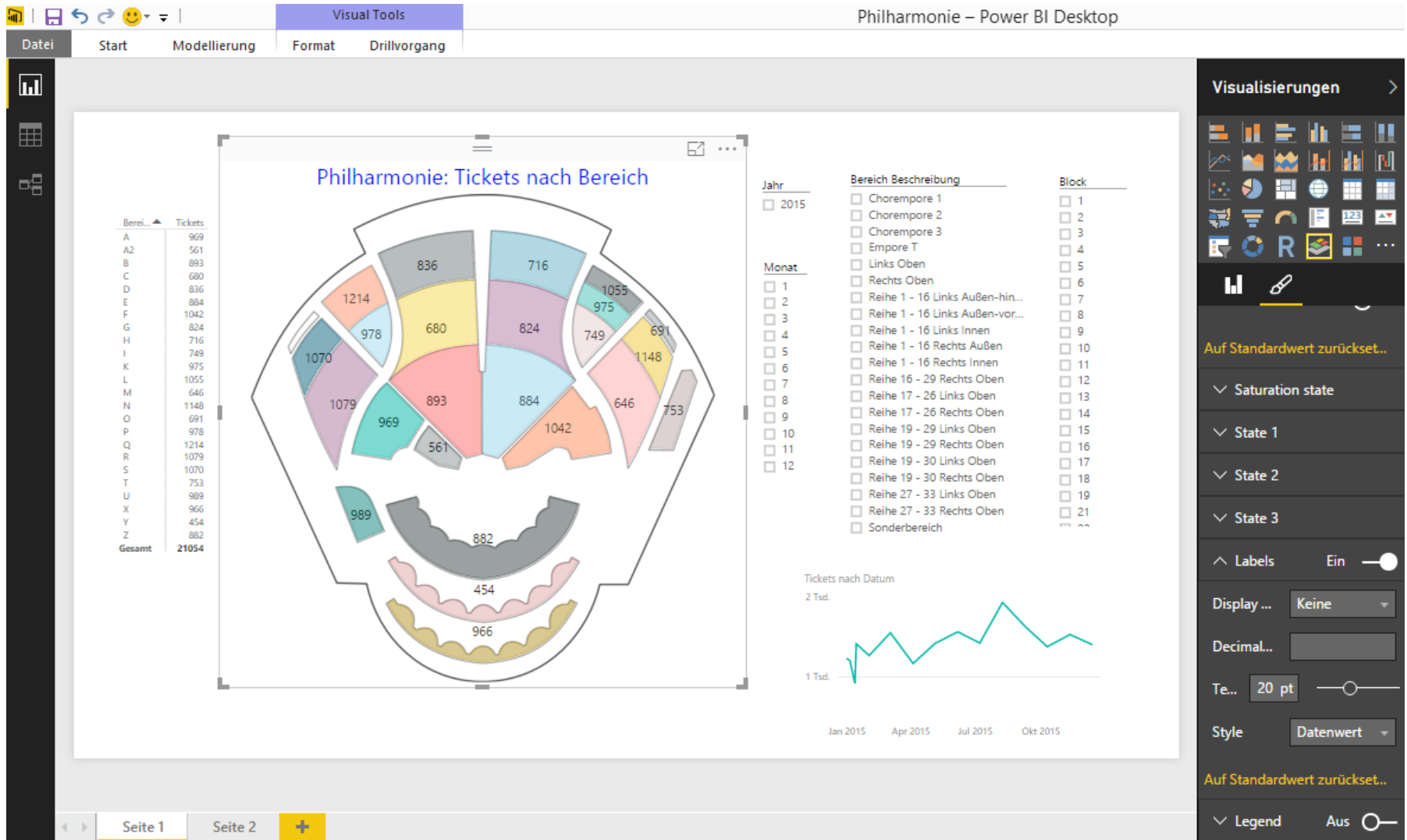
UNDER REVIEW

 · [Access Team \(Admin, Microsoft\)](#) responded · December 03, 2015

Thanks for posting and voting.  
Integrating Power BI with Access is one of the things we believe will add value to Access developers and users. We are looking into ways to support that.  
Keep voting if this is important to you – it will increase the likelihood of it getting in the product.



# Power BI – Custom Visual



# Power BI - Mobile



**Make sure your data travels  
as well as you do**

Stay connected to your data from anywhere, anytime with the Power BI app for Windows, iOS, and Android. Get a 360° view of your business data on the go - at the touch of your fingertips.



**Not on your mobile device? Enter your email and we'll  
send you a download link**

Enter your work email address

**Get a link**

By clicking Use it free, you agree to the [Power BI Terms of Service](#)



# Fragen?



# Referenzen

## ■ Azure in Deutschland ab 21. September 2016

- <https://azure.microsoft.com/de-de/overview/clouds/germany/>

## ■ Power Apps

- <https://powerapps.microsoft.com/en-us/tutorials/get-started-create-from-data/>
- <https://web.powerapps.com>
- <https://portal.azure.com/>

## ■ Logic Apps

- <https://azure.microsoft.com/en-us/documentation/articles/app-service-logic-what-are-logic-apps/>
- <https://manage.windowsazure.com/>
- <https://github.com/VBA-tools/VBA-Web>

## ■ Power BI

- <https://powerbi.microsoft.com/en-us/>
- <https://portal.azure.com/>
- <https://powerbi.microsoft.com/en-us/documentation/powerbi-desktop-quickstart-learn-dax-basics/>
- <https://powerbi.microsoft.com/en-us/blog/integrating-power-bi-tiles-into-office-documents/>
- [https://blogs.msdn.microsoft.com/microsoft\\_press/2016/06/16/free-ebook-introducing-microsoft-power-bi/](https://blogs.msdn.microsoft.com/microsoft_press/2016/06/16/free-ebook-introducing-microsoft-power-bi/)

# Userve

- <https://access.urservice.com/forums/319956-access-desktop/suggestions/10187166-incorporate-power-bi-as-an-add-in-to-new-version-o>