



# Visual Studio **ALM** Days 2012



## Office und SharePoint 15 Entwicklung mit Visual Studio 2012

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# Session Topic

## Office und SharePoint 15 Entwicklung mit Visual Studio 2012

Mit Office und SharePoint 15 können Entwickler ein neues Cloud-basiertes App Modell nutzen, welches Web Standards Technologien sowie Cloud-Dienste zusammenbringt. Beginnen Sie mit dem Web-basierten Entwicklungstool Codename „Napa“ Ihre Lösung zu entwickeln und erweitern Sie diese in Visual Studio 2012 mit allen ALM Funktionalitäten. In dieser „Demo Only“ Session lernen Sie die neuen Möglichkeiten SharePoint und Office Apps zu entwickeln anhand einer Beispielapplikationen kennen.

# Agenda

Vorstellung

Intention für neues App-Modell

Apps Demo

Sample Application Demo

Visual Studio „Napa“ Demo

Deployment Demo

Summary

# Intro

## Premier Services for Developers (PSfD)

### Proaktive Leistungen



Workshops, Proof of Concept, Architektur Review, Code review, Assessments, Best Practices, Sample Code, Events....

### Reaktiver Support



24x7 Support für Probleme zu Produkten und zu Entwicklungsthemen  
Reaktionszeit zwischen 2 h und 30 min

### Ergebnis



Risiken minimieren, Qualität erhöhen, Projekte beschleunigen

# Bisherige Office Entwicklung

## Office Entwicklung



Office Entwicklung  
VB-Makros, Add-ins, Task Pane  
Erweiterungen, Outlook-  
Erweiterungen etc.

## SharePoint Entwicklung



SharePoint Entwicklung  
Teilweise starkes Customizing  
von Standardfunktionen  
  
Erweiterung um neue  
Funktionen etc.

## Probleme



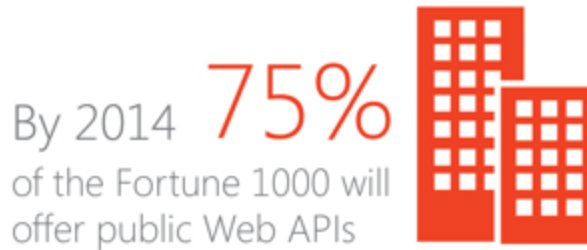
Migration auf neue Produkt-  
versionen erschwert bzw.  
unmöglich  
  
Probleme mit Produkten entstehen  
  
Code schwer verwaltbar und  
administrierbar

# Intention für neues App-Modell

## Heutige Nutzung von Office



## Aktuelle Trends



## Kernprinzipien



# The Result: A new Cloud App Model



Build a new class of apps that **extend** and **personalize** the way we **create** and **consume information** right from within Office and SharePoint

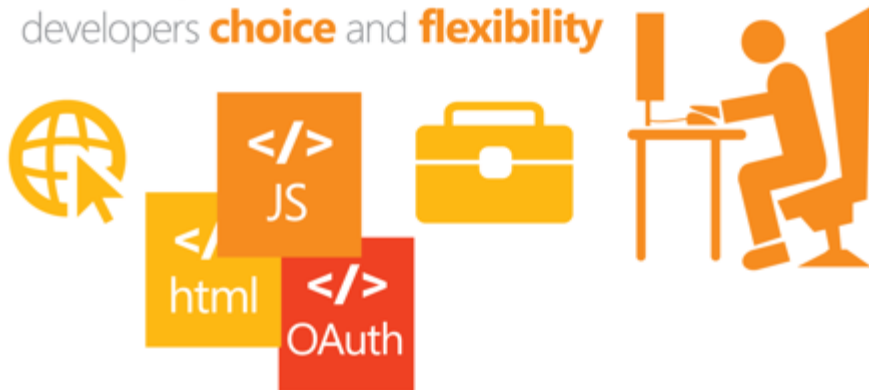


## New Apps

A new class of apps enabling **new scenarios** and **new user experiences**

## Familiar Toolsets

Embracing **Web standards** to provide developers **choice** and **flexibility**



## Flexible Lifecycle

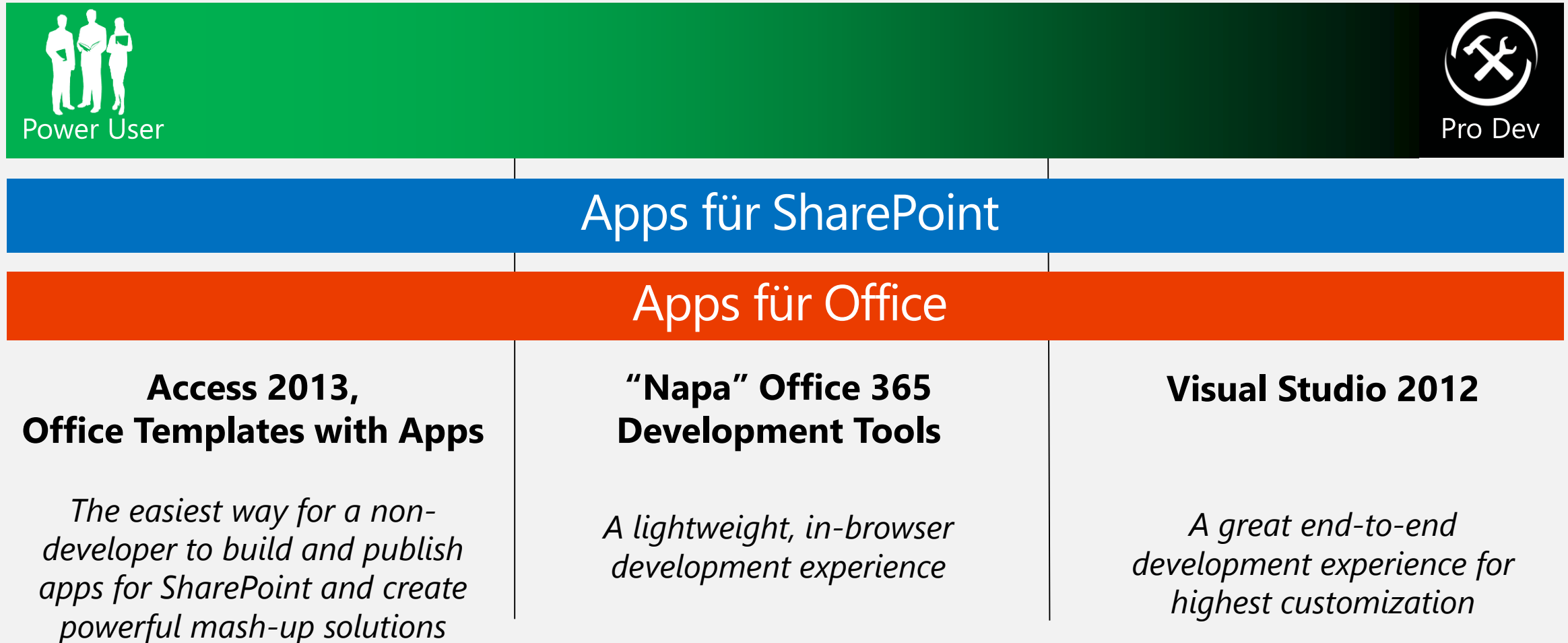
**Deploy** and **maintain** your apps publicly on the new **Office Store**, or internally with flexibility and control



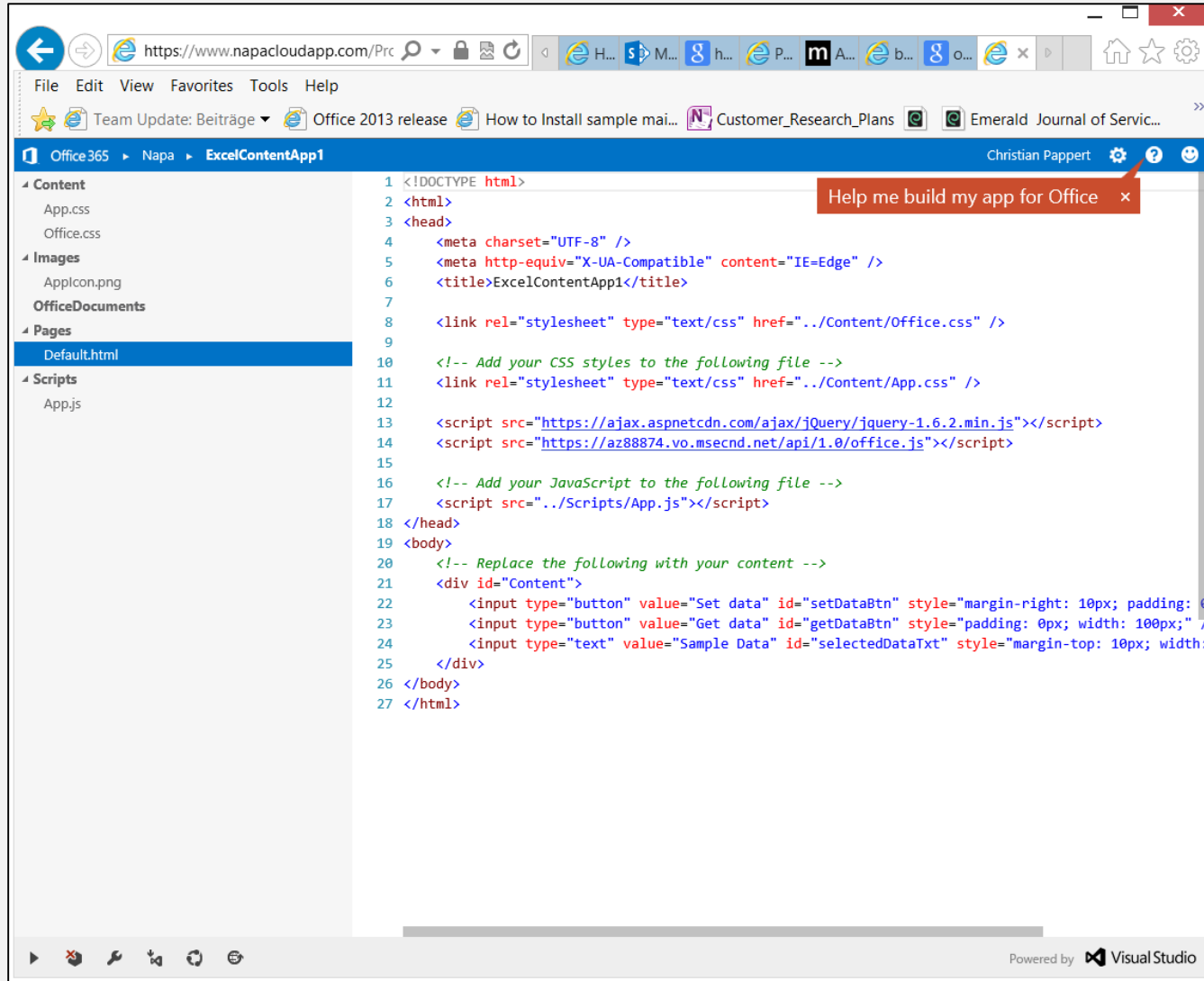
# Demos, Demos, Demos



# Verbessertes Toolset für verschiedene Skill Levels



# Codename „Napa“



Entwicklung komplett im Browser

- Projekt anlegen
- Debugging
- Deployment

Übernahme nach Visual Studio möglich

# Demo „Napa“

[https://almdays.sharepoint.com/\\_layouts/15/start.aspx#/SitePages/DevHome.aspx](https://almdays.sharepoint.com/_layouts/15/start.aspx#/SitePages/DevHome.aspx)

# Bereitstellung Bisher



## Office

DLLs am Client installieren →  
Neustart von Office

Verteilung aufwändig und  
zeitintensiv



## SharePoint

WSP-Pakete in SharePoint  
hochladen → Neustart von  
SharePoint!









SharePoint Designer-  
Änderungen direkt in der DB →  
kein Quellcodeverwaltung



## Ergebnis

Bereitstellung von Office- und  
SharePoint-Erweiterungen sind  
bisher komplex und haben großen  
Impact für den Anwender

# Bereitstellung von Office Apps

	Office Store	Corporate catalog	Shared folder app catalog	Exchange Server
Task pane app				
Content app				
Mail app				

# Bereistellung in Exchange

## Option 1: Per Remote Powershell

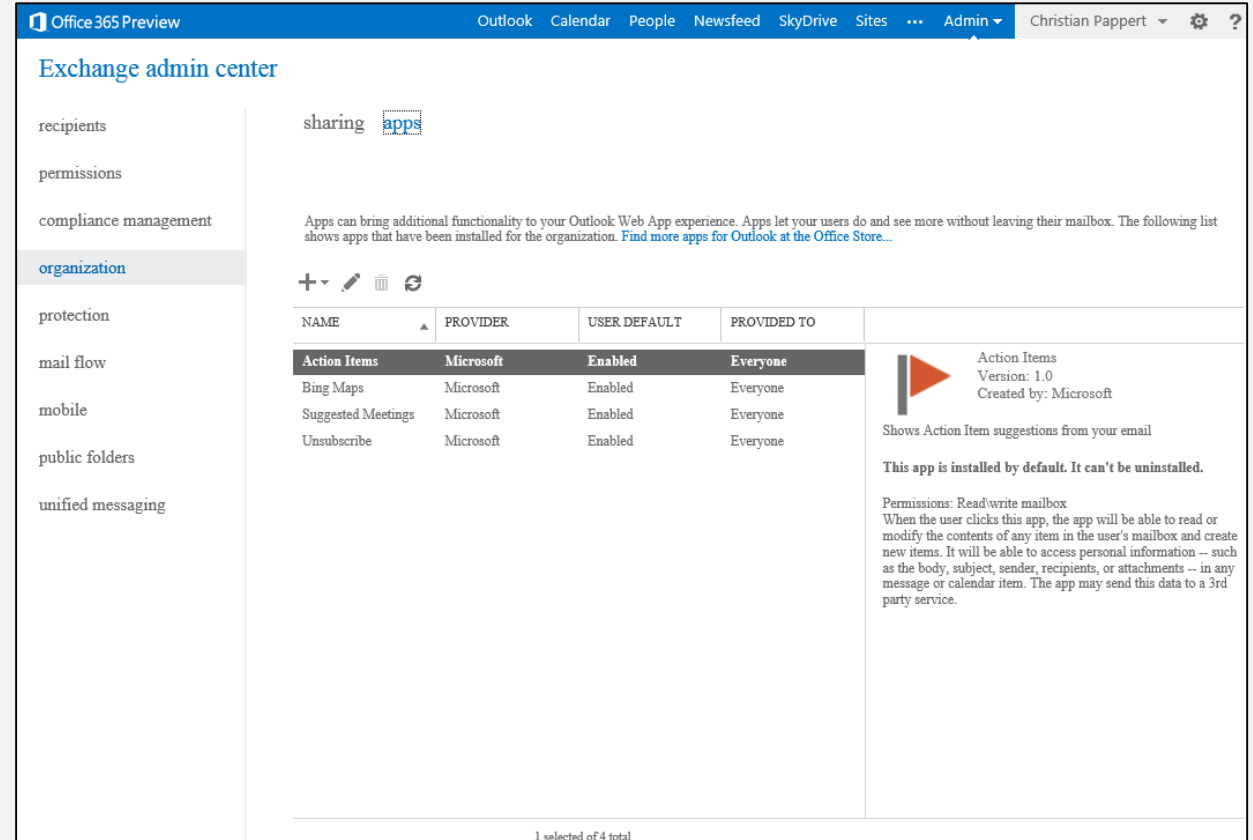
```
New-App -URL:http://UrlZumManifest
```

```
Get-App - Lists the mail apps that  
are enabled for a mailbox.
```

```
Set-App - Enables or disables a mail  
app on a mailbox.
```

```
Remove-App - Removes a previously  
installed mail app from an Exchange  
server.
```

## Option 2: Exchange Admin Center



Office 365 Preview Outlook Calendar People Newsfeed SkyDrive Sites ... Admin Christian Pappert

### Exchange admin center

recipients sharing [apps](#)

permissions

compliance management

organization

protection

mail flow

mobile


public folders

unified messaging

Apps can bring additional functionality to your Outlook Web App experience. Apps let your users do and see more without leaving their mailbox. The following list shows apps that have been installed for the organization. [Find more apps for Outlook at the Office Store...](#)

NAME	PROVIDER	USER DEFAULT	PROVIDED TO
Action Items	Microsoft	Enabled	Everyone
Bing Maps	Microsoft	Enabled	Everyone
Suggested Meetings	Microsoft	Enabled	Everyone
Unsubscribe	Microsoft	Enabled	Everyone

1 selected of 4 total



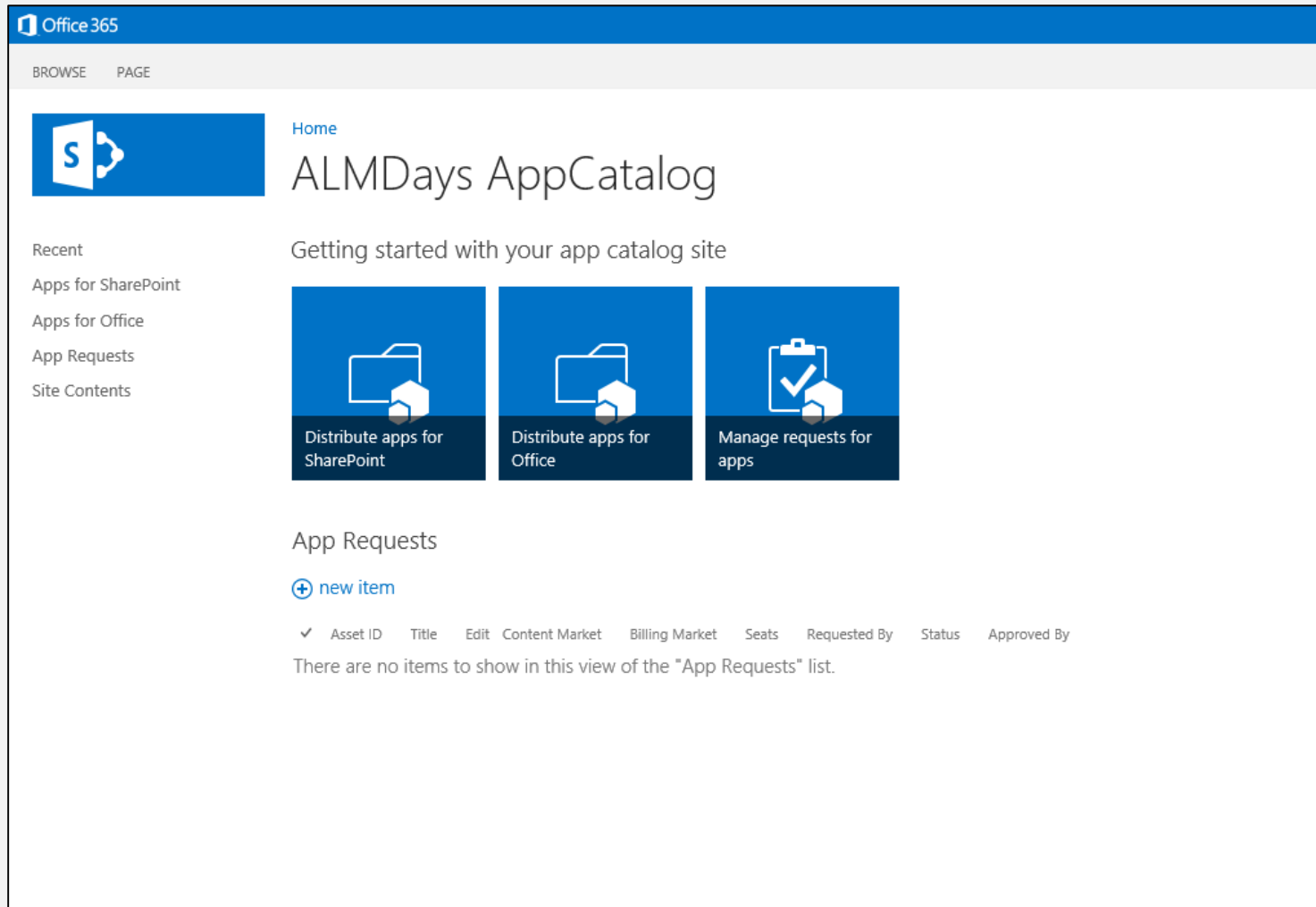
**Action Items**  
Version: 1.0  
Created by: Microsoft

Shows Action Item suggestions from your email

**This app is installed by default. It can't be uninstalled.**

Permissions: Read/write mailbox  
When the user clicks this app, the app will be able to read or modify the contents of any item in the user's mailbox and create new items. It will be able to access personal information -- such as the body, subject, sender, recipients, or attachments -- in any message or calendar item. The app may send this data to a 3rd party service.

# Bereitstellung von SharePoint Apps



Eine Site Collection wird als AppCatalog bereitgestellt

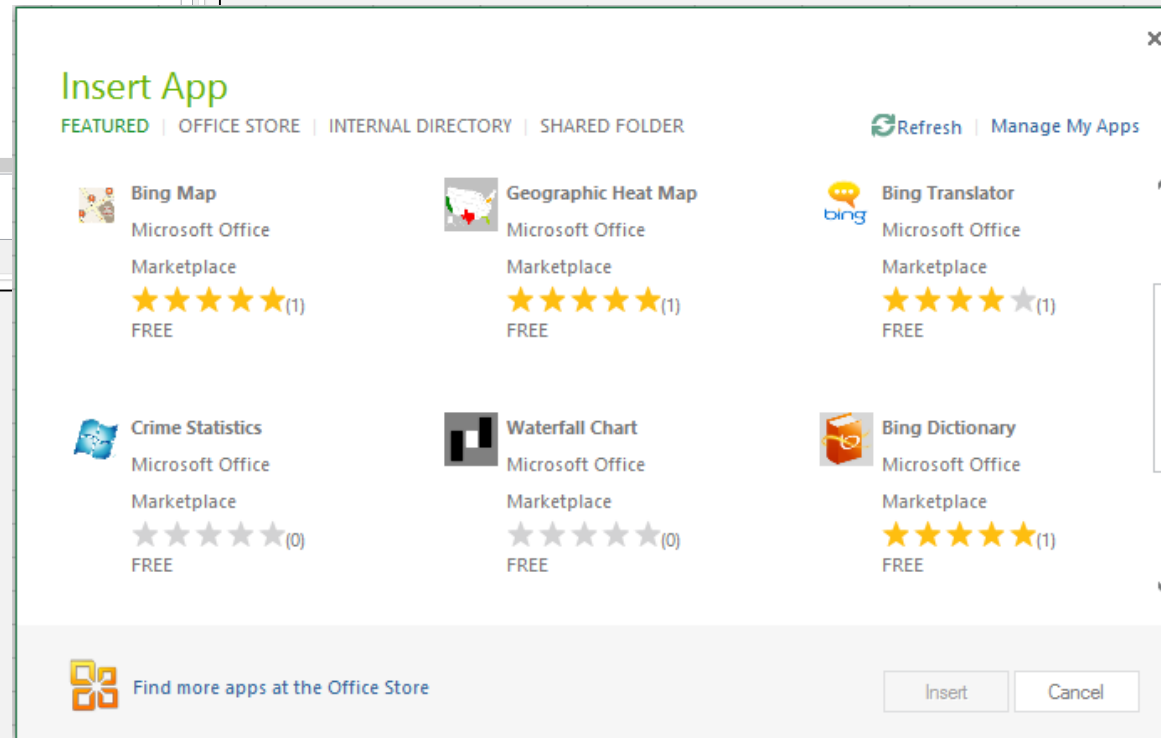
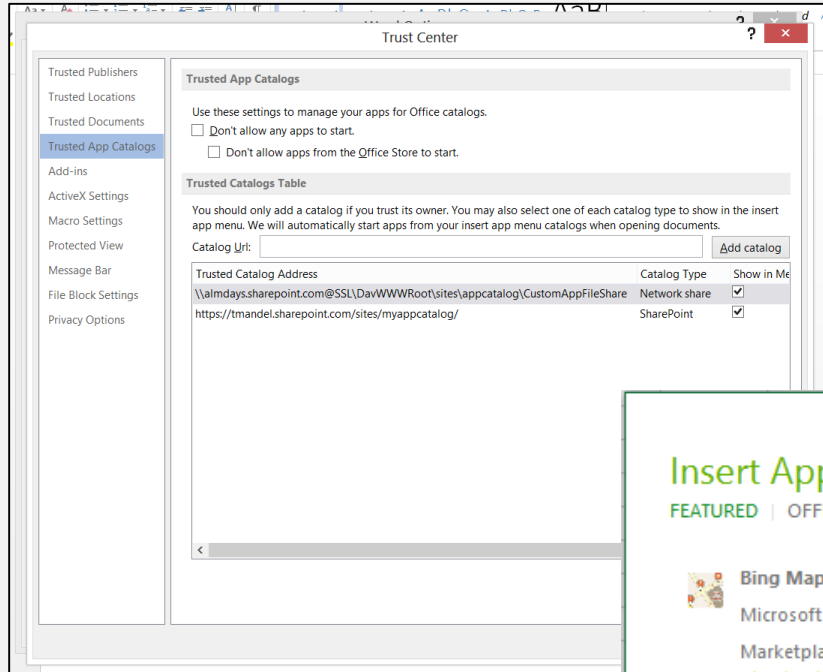
Bereitstellung durch Upload des manifests in Document Library

<https://almdays.sharepoint.com/sites/appcatalog>

# Bereitstellung in Office

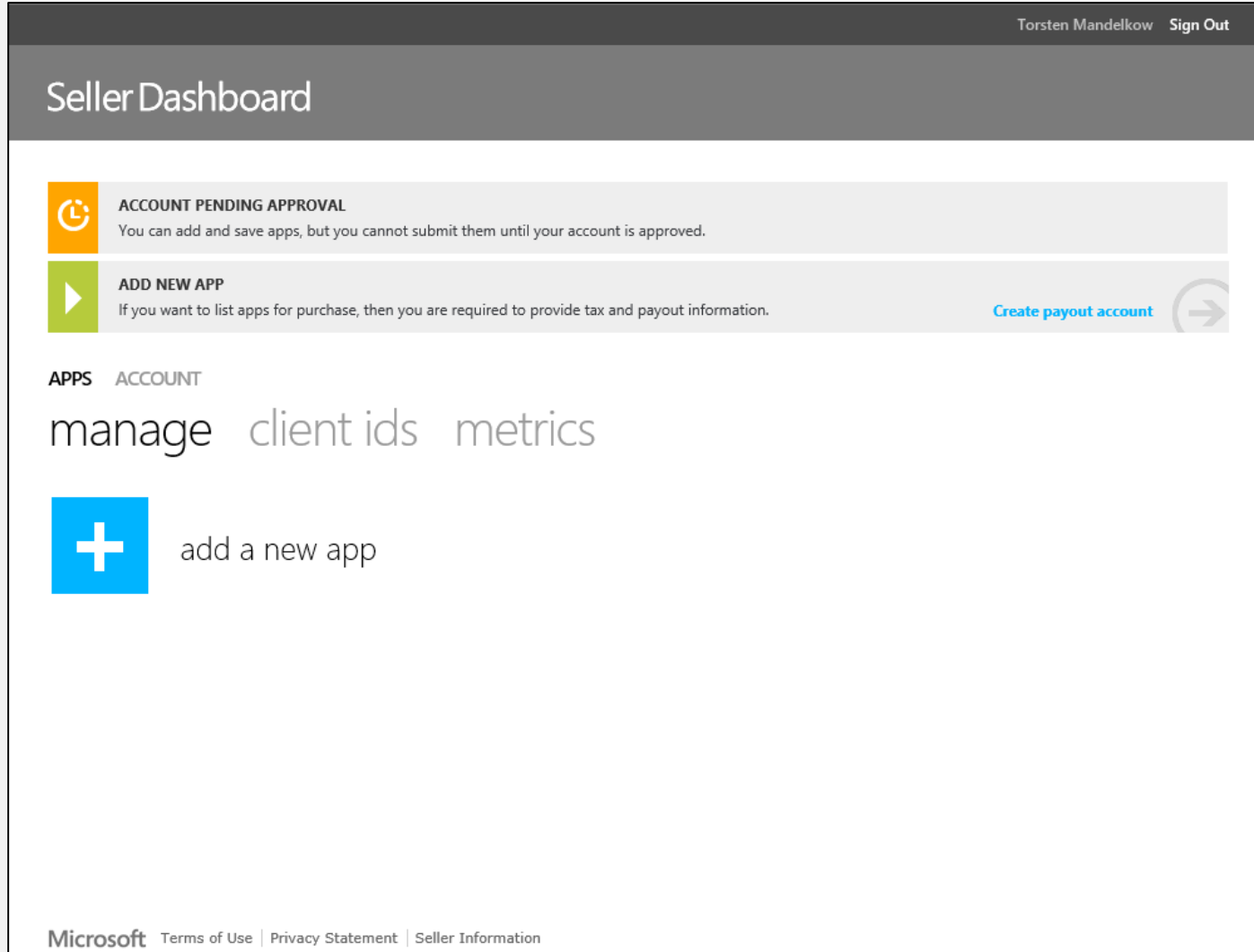
Bereitstellung des Manifests in Fileshare oder in SharePoint

Eintrag der URLs und Pfade im Trustcenter (oder per Group Policy)





# Bereitstellung im Office Store



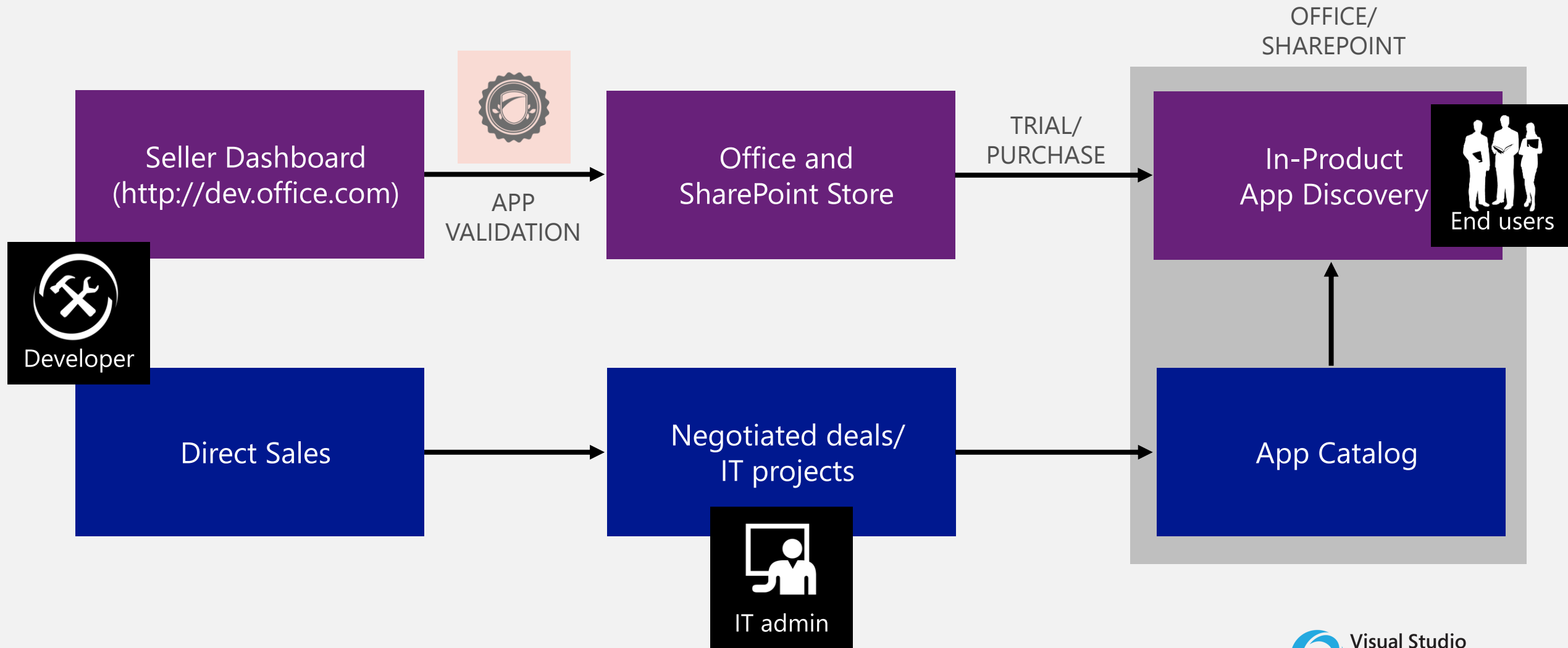
The screenshot shows the Microsoft Seller Dashboard. At the top right, the user 'Torsten Mandelkow' is logged in with a 'Sign Out' link. The main header is 'Seller Dashboard'. Below this, there are two prominent messages: 'ACCOUNT PENDING APPROVAL' with a warning icon and text stating that apps can be added but not submitted until approved, and 'ADD NEW APP' with a play icon and text stating that tax and payout information is required for purchase listings, with a 'Create payout account' link and arrow. Below these messages, there are tabs for 'APPS' and 'ACCOUNT'. Under the 'APPS' tab, there are links for 'manage', 'client ids', and 'metrics'. A large blue square with a white plus sign is followed by the text 'add a new app'. At the bottom, there is a footer with the Microsoft logo and links for 'Terms of Use', 'Privacy Statement', and 'Seller Information'.

Anmeldung und Upload im Seller Dashboard

App muss Validation Policies entsprechen

<http://msdn.microsoft.com/en-us/library/jj220035.aspx>

# Choice, Control and Flexibility



# Summary

## **Neues App-Modell**

Apps für Outlook, Word, Excel, Powerpoint, SharePoint, Project (optional mit Cloud-Anbindung)

## **Neue Entwicklungsunterstützung**

Visual Studio „Napa“ für Prototyping und Poweruser

Visual Studio 2012 für den professionellen Entwickler von Apps

Komfortable Entwicklung (Intellisense, Debugging, Deployment etc.)

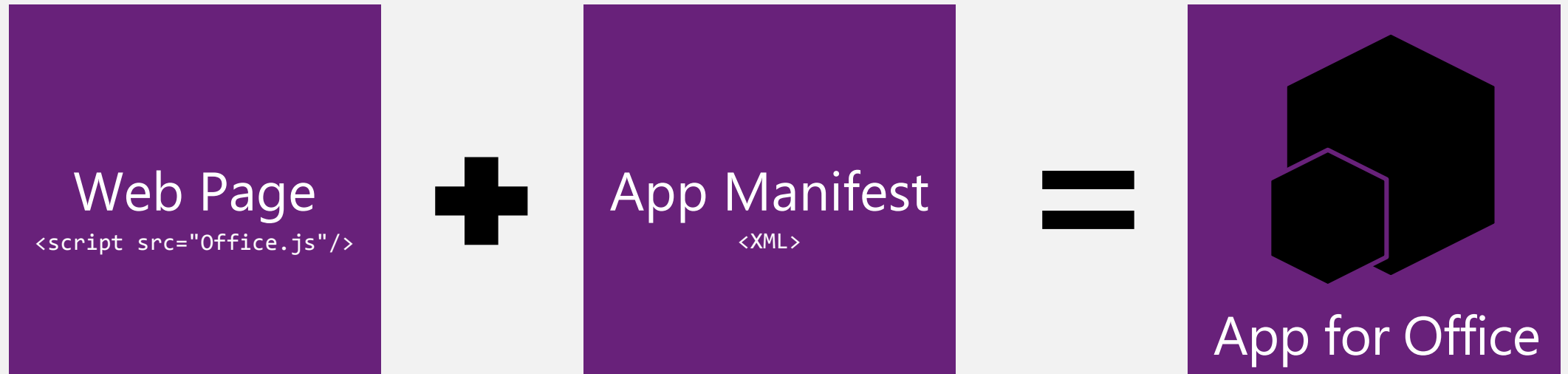
Neue Visual Studio Templates für App-Development

## **Verbessertes Deployment von Office und SharePoint Apps**

Office Store, Exchange, Corporate Fileshare, Corporate App Catalog

# Q&A

# App for Office Anatomy



# Common App Architecture

