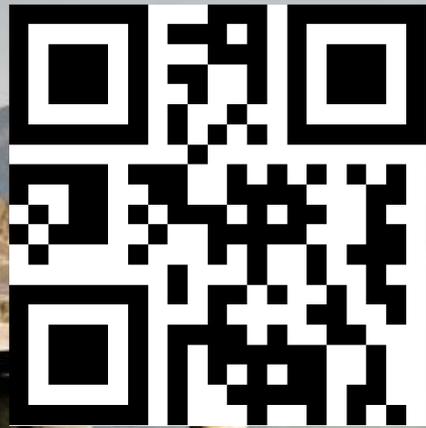


EAI mit Microsoft Azure

Die Cloud verbindet!

Manuel Meyer, ZH-AD



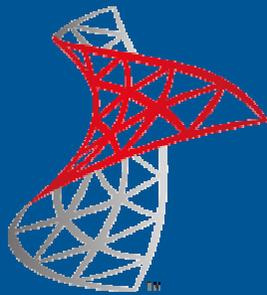
BASEL ▪ BERN ▪ BRUGG ▪ DÜSSELDORF ▪ FRANKFURT A.M. ▪ FREIBURG I.BR. ▪ GENÈVE
HAMBURG ▪ KOPENHAGEN ▪ LAUSANNE ▪ MÜNCHEN ▪ STUTTGART ▪ WIEN ▪ ZÜRICH

trivadis
makes IT easier. ■ ■ ■

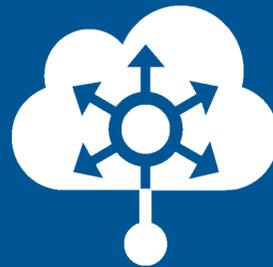
AGENDA

- Microsoft Integration History
- On-Premise Connectivity
- The Azure Portal
- Azure App Service
- Logic Apps
- API Apps
- Outlook

MICROSOFT INTEGRATION HISTORY



BIZTALK
SERVER



AZURE
BIZTALK
SERVICES



AZURE APP SERVICE



LOGIC
APPS



API
APPS

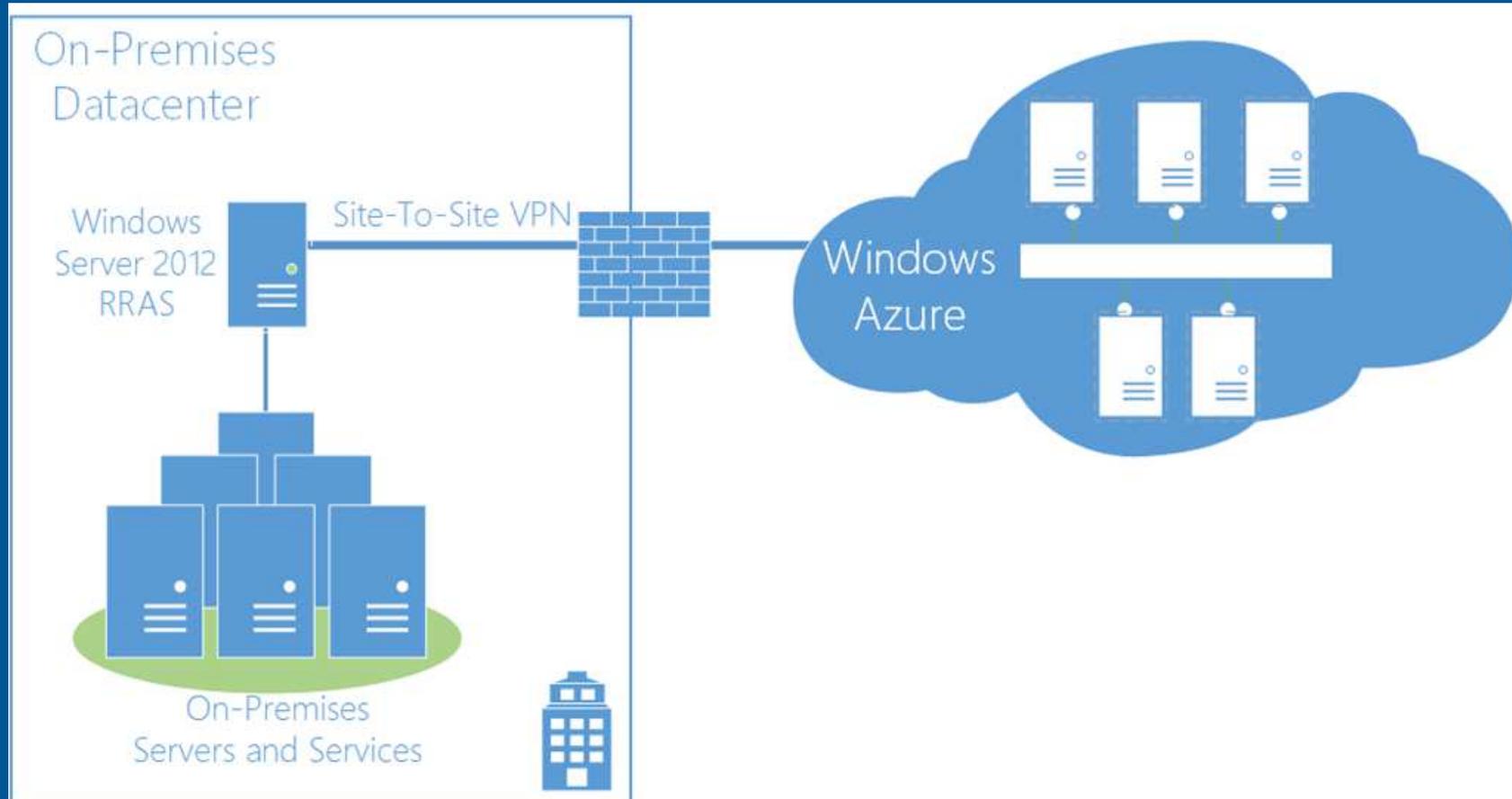
HYBRID
CONNECTIONS



VIRTUAL
NETWORKS



AZURE VIRTUAL NETWORKS (VNET)



AZURE VIRTUAL NETWORKS (VNET)

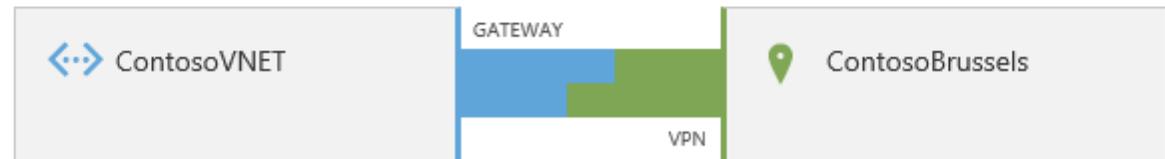


ContosoVNET

contosovnet

[DASHBOARD](#) [CONFIGURE](#)

virtual network



DATA IN

9.11KB

DATA OUT

33.41KB

GATEWAY IP ADDRESS

137.177.162.41

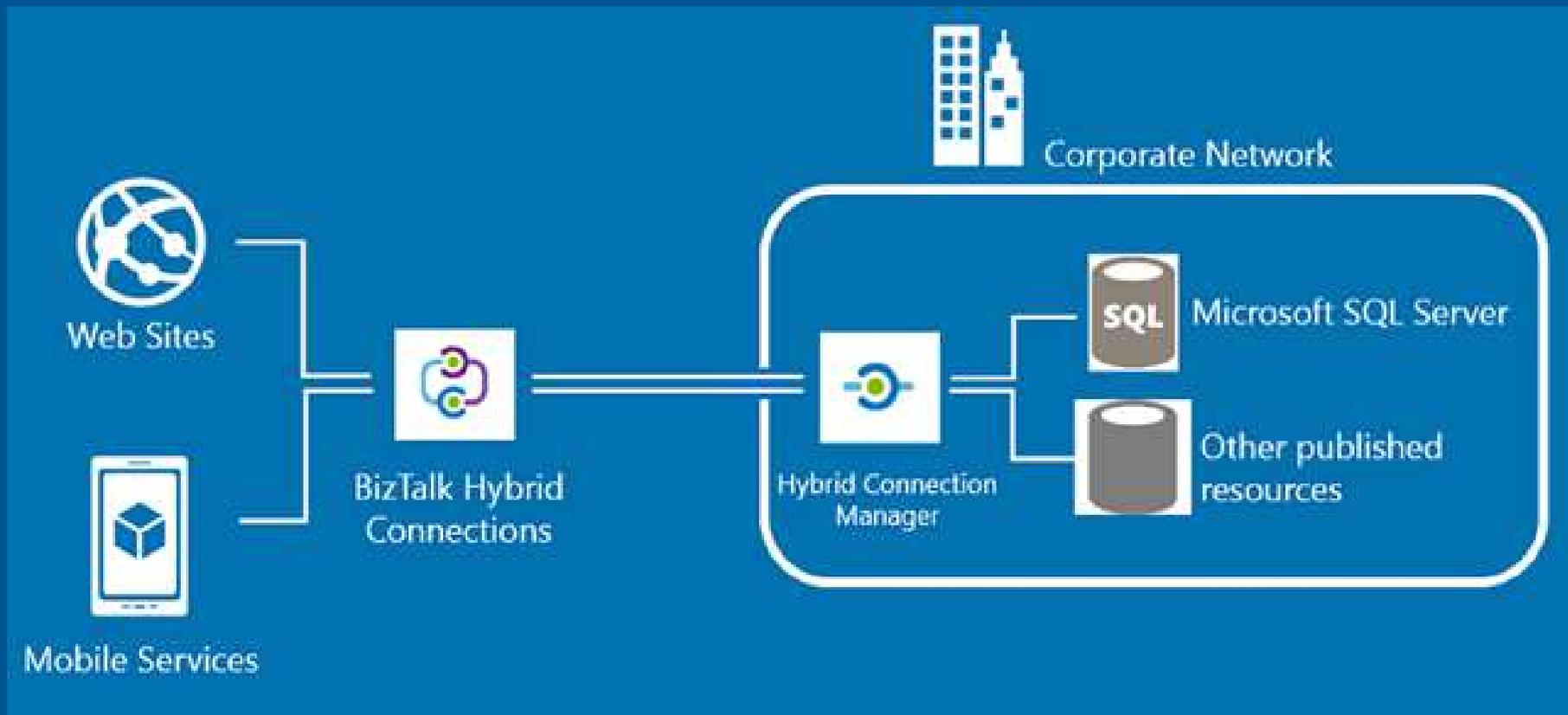
resources

NAME	ROLE	IP ADDRESS	SUBNET N...
contosoweb	Virtual Machine	10.1.2.4	Subnet-1

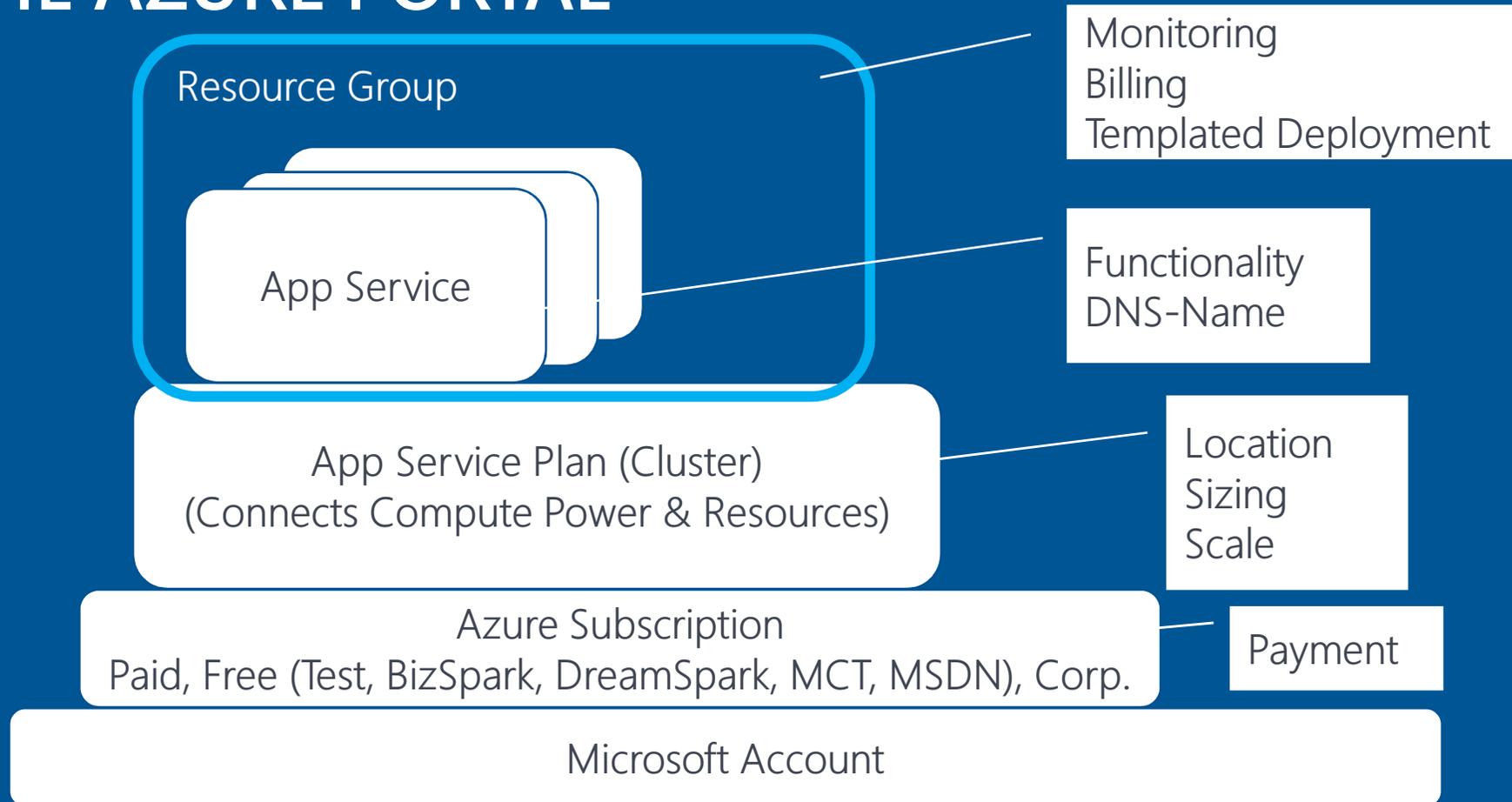
quick glance

[Download VPN Device Script](#)

AZURE HYBRID CONNECTIONS



THE AZURE PORTAL



The Azure Portal

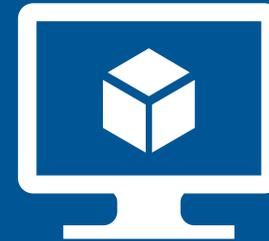
AZURE COMPUTE (BEFORE)



Websites



Cloud Services



Virtual Machines

+ Services:

Networking, Identity & Access, Media & CDN, Storage & Backup,
Compute, Web & Mobile, Analytics, Data, Developer Services,
Hybrid Integration, Management, Commerce

AZURE COMPUTE (TODAY)



APP SERVICE

Hosting of web-based Workloads

- Elasticity & Pay-as-you-go
- Easy Deployment
- Scale, Auto-Scaling
- Tooling, Monitoring.

AZURE COMPUTE (TODAY)



WEB APPS



MOBILE
APPS



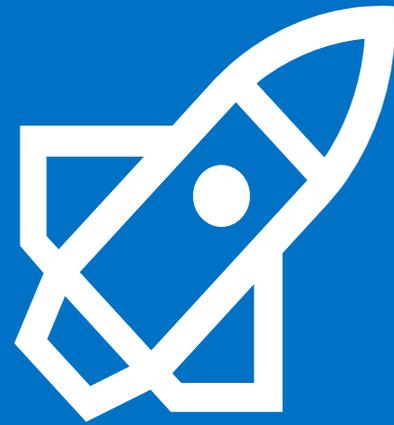
LOGIC APPS



API APPS



APP SERVICE



LOGIC APPS

LOGIC APPS

The image displays four connector settings panels in a Logic Apps Designer interface, arranged horizontally. Each panel has a title bar with the connector's logo and name, and a 'Settings' section with various input fields.

- SAP Connector:** Includes fields for Server Name, User Name, Password, Language (set to EN), System Number, and Service Bus Connection String.
- SMTP Connector:** Includes fields for User Name, Password, Server Address, Server Port (set to 587), and Enable SSL (set to true). A green checkmark is visible at the bottom right of this panel.
- BizTalk Transform Service:** Contains a single instruction: "Double click here to configure this API App" with a right-pointing arrow.
- SharePoint Server Connector:** Includes fields for Site URL, Authentication Mode, User Name, Password, Document Library / List Relative URLs, and Service Bus Connection String.

Built-in API Connectors



Connectors

- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Marketo
- Azure Media Services
- OneDrive
- SharePoint
- SQL Server
- Office 365
- Oracle
- QuickBooks
- Salesforce
- Sugar CRM
- SAP
- Azure Service Bus
- Azure Storage
- Timer / Recurrence
- Twilio
- Twitter
- IBM DB2
- Informix
- Websphere MQ
- Azure Web Jobs
- Yammer
- Dynamics CRM
- Dynamics AX
- Hybrid Connectivity

Protocols

- HTTP, HTTPS
- File
- Flat File
- FTP, SFTP
- POP3/IMAP
- SMTP
- SOAP + WCF

BizTalk Services

- Batching / Debatching
- Validate
- Extract (XPath)
- Transform (+Mapper)
- Convert (XML-JSON)
- Convert (XML-FF)
- X12
- EDIFACT
- AS2
- TPMOM
- Rules Engine





LOGIC APPS

Creating a Logic App



API APPS

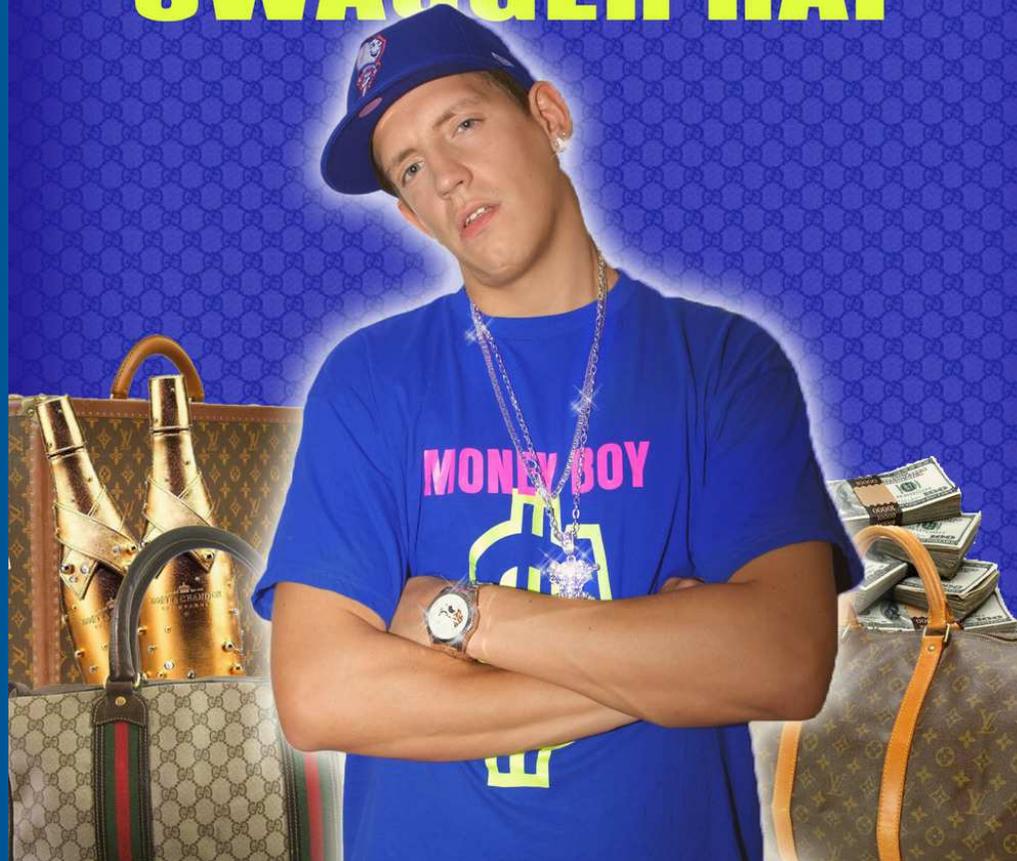


API App = WebAPI & Swagger



API APPS

MONEY BOY SWAGGER RAP





YES, WE DO!
Meet Swashbuckle...





Swashbuckle - Swagger for WebApi 5.2.1

Seamlessly adds a Swagger to WebApi projects!

To install Swashbuckle - Swagger for WebApi, run the following command in the [Package Manager Console](#)

```
PM> Install-Package Swashbuckle -Version 5.2.1
```



Creating an API App in Visual Studio

KEY TAKE AWAYS

- Microsoft Integration/BizTalk -> Logic Apps
- New Portal = Blades & Lenses & Tiles
- Resource Groups combine all the Resources of your Application
- AppService = Common Platform for Web-based Services
- Logic Apps = Connectors + Adapters
- API Apps = Microservices based on WebAPI & Swagger
- Swagger = the new WSDL.

OUTLOOK

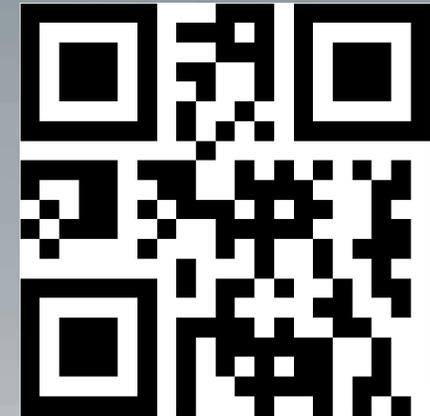
- WebAPI Metadata
 - Swashbuckle & AutoRest
- App Service Environments
 - Your personal isolated host for AppServices. Connected to your network.
- Azure Service Fabric
 - Azure Core for You. (runs Bing&Cortana = 500 Mio Evaluations/sec)
 - Next Generation of Azure Compute
 - Massive Scale Solution

OUTLOOK LINKS

- WebAPI Metadata: Swashbuckle & AutoRest
 - <https://www.nuget.org/packages/Swashbuckle>
 - <https://www.nuget.org/packages/AutoRest/>
- App Service Environments: Your personal isolated host for AppServices. Connected to your network.
 - <http://azure.microsoft.com/de-de/blog/introducing-app-service-environment/>
- Azure Service Fabric
 - <http://azure.microsoft.com/de-de/blog/announcing-azure-service-fabric-reducing-complexity-in-a-hyper-scale-world/>
 - <https://channel9.msdn.com/Events/Build/2015/3-618>

Q & A

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<http://www.manuelmeyer.net>



Please give session feedback via Mobile App or Browser
<https://te092015.quickmobile.center>

