



Introduction to Azure API Management

Teerachai Laothong & Sakul Jaruthanaset

Digital Thailand Club

Microsoft Azure

welcome.

introduction to **azure** **api management.**

Extending a platform

new channels, more customers





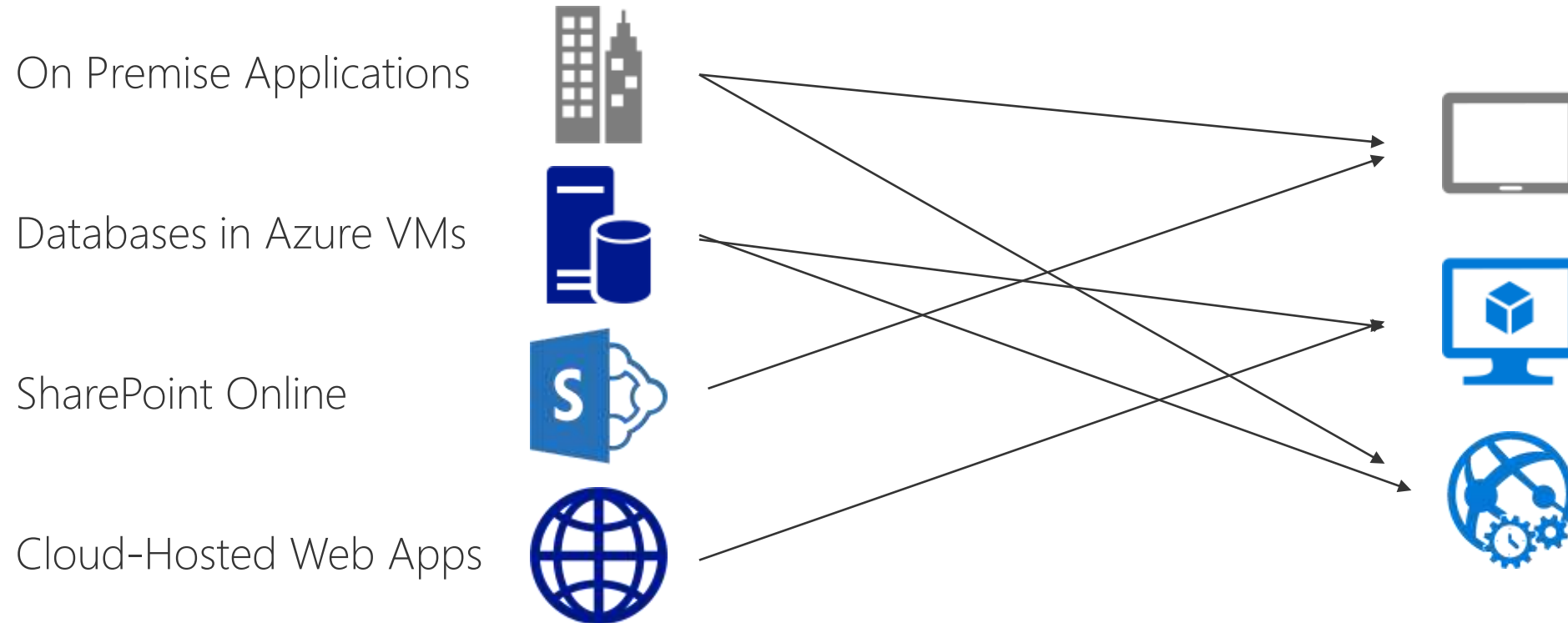
*"In little more than a decade, APIs have transitioned from **relative obscurity** to become the 'digital glue' that empowers developers to create new software applications, partnerships and even new businesses. This **business-to-developer** market is quickly becoming one of the fastest growing opportunities within cloud computing"*

Byron Deeter, partner at Bessemer Venture Partners. Investor in Box, DocuSign, Twilio and SendGrid.

<http://venturebeat.com/2013/08/31/api-economy/>

Why Use a Managed API Service?

Integration is Difficult



Problems with Authoring APIs

Requires Additional Investment

Web Service



Continuous Deployment Tool



Cutover/Versioning Utility



Authentication Suite

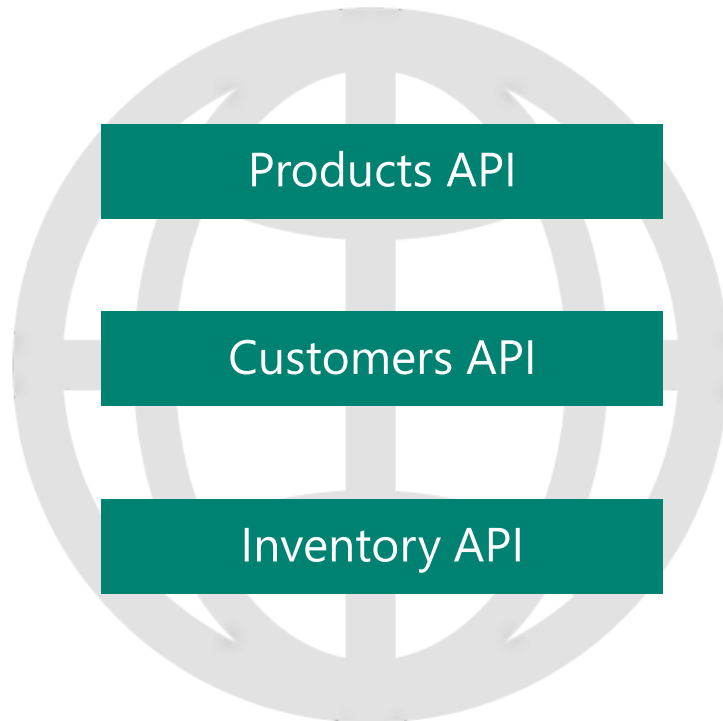


Monitoring Solution

Problems with Authoring APIs

Difficult to Consume

Web Service



Internal Developers

- Sparse Code Comments
- Integration Testing Debt

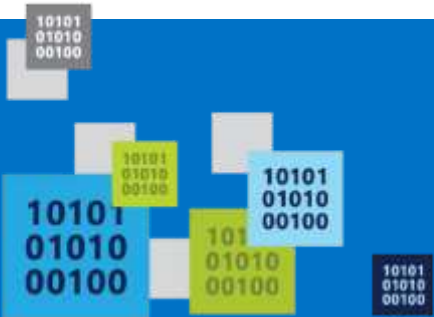
External Developers

- Lack of Documentation
- Inconsistent Metadata

Business Users

- Can't use at all!

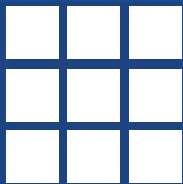
Problems with Authoring APIs





AZURE API MANAGEMENT

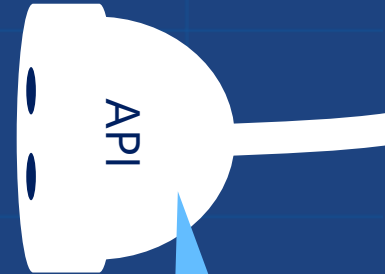
DEVELOPERS



APPS



PUBLISHER /
ADMIN



Can be hosted
anywhere and
authored in any
language on any
platform.

Demo

Azure API Management

much preview, nice feature

Developer Experience

- Self-Registration
- Subscriptions
- Documentation
- Console
- Issues Forum
- Dashboard

Admin Experience

- API specification
- Product management
- Policies Editor
- Developer management
- Content management
- Configurable notifications

Proxy & Policies

- Call and bandwidth quotas
- Rate limit
- Caching
- HTTPS
- Authenticate with Basic
- CORS / x-domain calls
- Find and replace string
- Re-write URL
- Mask URLs
- JSONP
- JSON to/from XML
- Set header or parameter
- IP filter
- Wildcard operations

Security

- Custom developer ID
- Social Developer ID
- API key authentication
- Basic Authentication

Reports

- Calls
- Bandwidth
- Cache hits/misses
- Status codes
- API and service response time
- Proxy response time
- Filter any report by product API Operation

Thanks

- preview available in azure right now (go try)
- updates already in the pipeline
- ... and more coming regularly
- keen to engage with customers
- reach us at **apimgmt@microsoft.com**



Thanks!

We are done now.





Get started

Visit azure.microsoft.com



© 2014 Microsoft Corporation. All rights reserved. Microsoft, Windows, Windows Vista and other product names are or may be registered trademarks and/or trademarks in the U.S. and/or other countries. The information herein is for informational purposes only and represents the current view of Microsoft Corporation as of the date of this presentation. Because Microsoft must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information provided after the date of this presentation. MICROSOFT MAKES NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE INFORMATION IN THIS PRESENTATION.