



Azure & App Service SoCal Node.js Meetup

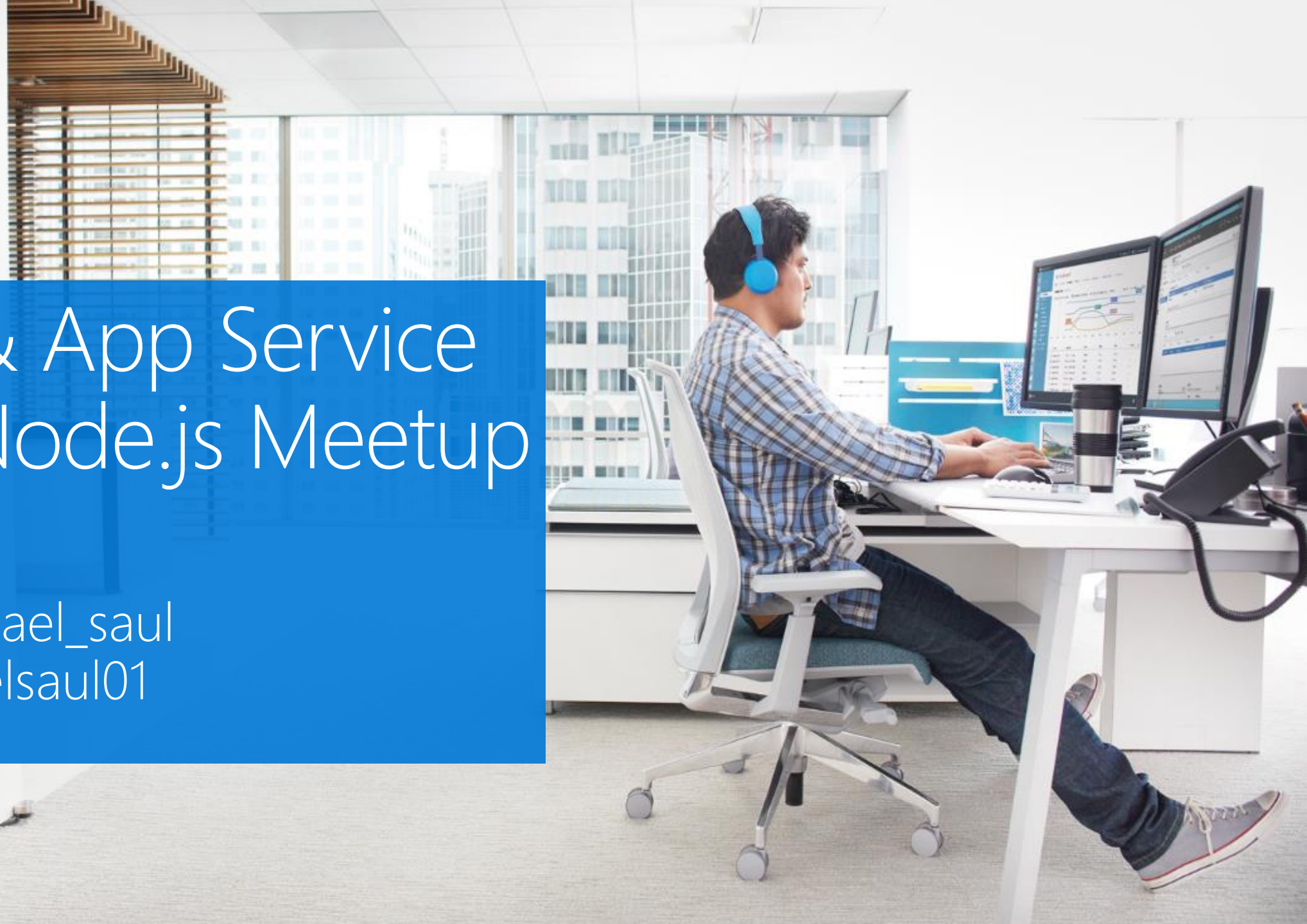
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Microsoft Azure



Application innovation

Accelerate innovation with the cloud



Data and intelligence

Power decisions & apps with insights



Openness and flexibility

Build freely, deploy anywhere



Trust

Protect your business

Achieve global scale, in local regions

30

Regions (8 more announced)



Security & Management



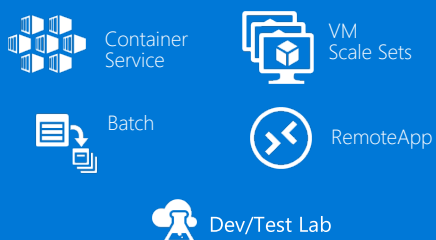
Media & CDN



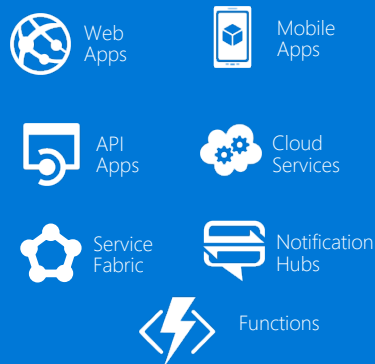
Integration



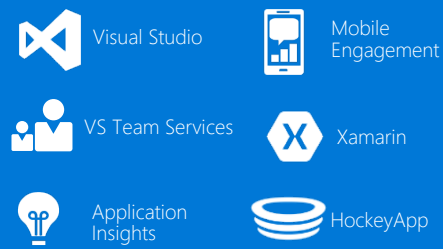
Compute Services



Application Platform

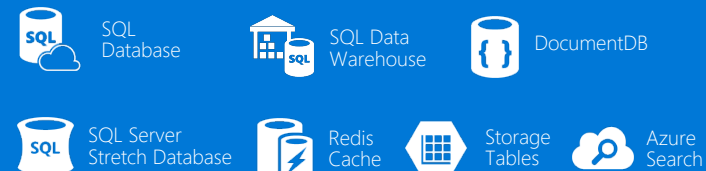


Developer Services



Platform Services

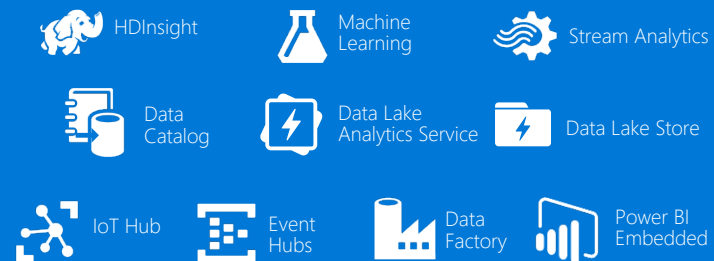
Data



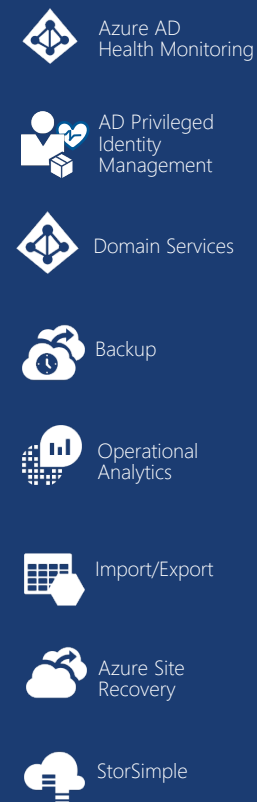
Intelligence



Analytics & IoT



Hybrid Cloud



Infrastructure Services

Compute



Storage



Networking



Datacenter Infrastructure (38 Regions, 30 Online)



Azure App Service

Azure Application Platform

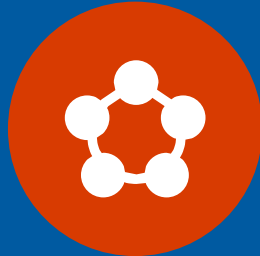
Build on a Developer Platform (PaaS)



App Service

Web, mobile, API,
and logic apps

Web and mobile



Service Fabric

Cloud native,
microservices based apps

Microservice
Platform



Functions

Serverless,
event driven functions

Serverless
Compute



Cloud Services

Custom monolithic
3-tier stateless apps

Existing
Frameworks



Other PaaS

Cloud Foundry, OpenShift,
Apprenda, Jetlastic, etc.

Third-party
Frameworks



App Service



Web Apps



Mobile Apps



API Apps

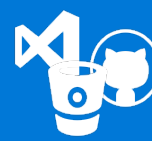


Logic Apps



Functions

DevOps productivity



Source code control integration



CI/CD build and deploy



Staged deployments with slots



Auto scale on demand



Monitoring and alerting

Application templates



Umbraco



Orchard



Episerver



WordPress



DNN Platform



Joomla



Drupal

Multiple languages and frameworks



ASP.NET



ASP.NET Core 1.0



Java



python

nodeJS



php

Enterprise workloads



SOC 2



ISO/IEC 27018



PCI-DSS



Global scale



Corporate connectivity



Azure Active Directory



Dedicated environments



App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Offline sync



SQL

User authentication



Facebook



Twitter



Microsoft



Google



Azure Active Directory

Push notifications



Apple
iOS OS X



Android



Windows



Kindle



In-App

Data connections



Azure SQL
database



Mongo DB



Document DB



Office 365



Azure tables



App Service



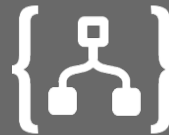
Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

API fundamentals



Swagger
API Metadata



CORS enablement

Authentication / Access Control



EasyAuth

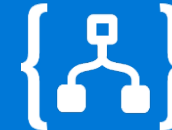


Service Principle
Authentication

API Consumption



Client SDK
Generation



Logic Apps



Power Apps



Flows

Integration with API Management





App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Connect SaaS applications



SharePoint Online



Unlock value across on-premises and cloud



SharePoint

Microsoft
SQL Server

BizTalk
Server
Connector

Automate EAI, B2B/EDI, and business processes



{JSON}

Flatfile

VETER
Pipeline

AS2/X12/
Edifact

Format conversion

Enterprise messaging

B2B

Enhance integration solution with Azure services



Functions



API
management



Cognitive
services



Machine
learning



Blob
storage



SQL
database



App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Event-driven



Timer



Data processing



WebHook + API

Bind into services



Azure
Blob
Storage



Azure
Queues



Azure
Service Bus



OneDrive
OneDrive



Dropbox



Box



Google
Drive

Accelerate development



Local
development



Integrated
DevOps



Package
management



Function
monitoring

Languages supported



C#



F#



JavaScript



PHP



PowerShell



Bash



Batch

App Service Features & Capabilities

All features and capabilities are shared across all of App Service application (Web, Mobile, and API)

Enterprise grade

Designed for secure mission-critical applications

- Premium Tier
- App Service Environments
- Hybrid Connections / VPN Support
- Scheduled Backup
- Azure Active Directory Integration
- Site Resiliency, HA, and DR
- Web Jobs
- Role Base Access Control
- Audit / Compliance
- Enterprise Migration
- Client Certs
- Redis Caching
- IP Restrictions/ SSL
- Web Sockets
- SQL, MySQL, DocDB, & Mongo

Fully managed

Optimized for Availability and Automatic scale

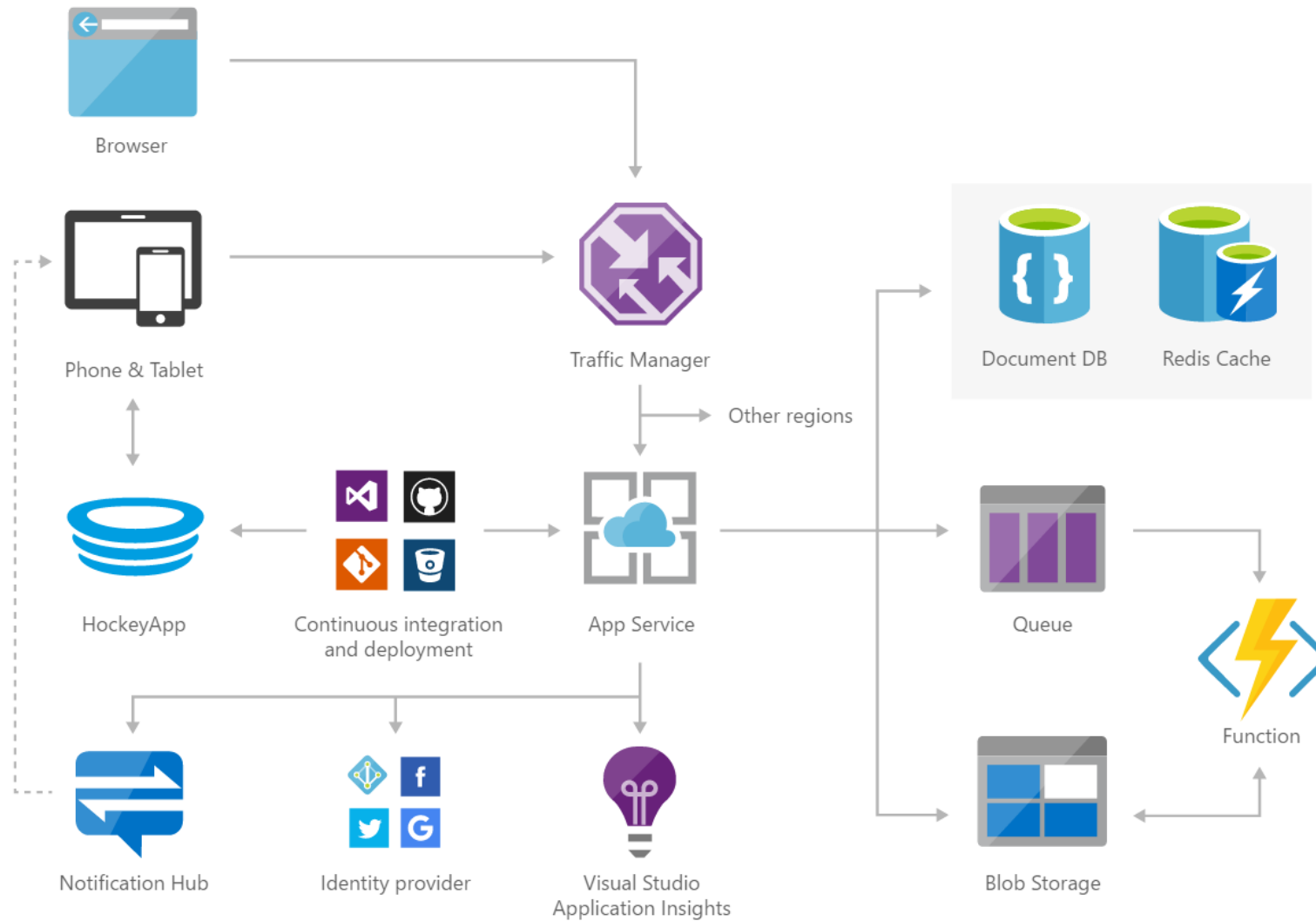
- Automated Deployment
- AutoScale
- Built-in Load Balancing
- WW Datacenter Coverage
- End Point Monitoring & Alerts
- DR Site Support
- Wildcard Support
- Dedicated IP address
- HTTP Compression
- WebJobs
- Premium WordPress
- Sticky Sessions
- App Service Environment

Built for DevOps

Agility through Continuous Deployment

- Remote Debugging w/ Visual Studio
- Site Staging Slots
- Traffic Routing
- Continuous Integration/Deployment
- Git, Visual Studio Online and GitHub
- App & Site Diagnostics
- OS & Framework Patching
- Site Extensions Gallery
- NET, PHP, Python, Node, Java
- Framework Installer
- Browser-based editing
- Auto-Healing
- Logging and Auditing
- Admin-Site
- Support Site Extension

Solution Architecture



Demo – Node.js on Azure

github.com/michaelsaul/nodejs-meetup

