Azure App Service

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Agenda

- Microsoft Opportunities
- Azure
- Azure App Service (Demos)
- Resources
Microsoft Careers

Careers
- http://careers.microsoft.com
- http://aka.ms/careerbot

Student Programs
- https://careers.microsoft.com/students#programs
Microsoft Imagine Cup

- http://imaginecup.com
- Global competition for computer science students
- Compete for cash, travel and prizes and for the honor of taking home the Imagine Cup
Microsoft Student Partner Program


- Leadership Experience
- Resume Building
- Exclusive Access
Microsoft Azure

The cloud platform for digital transformation
Momentum

194 billion
External Requests made to Azure App Service

340 billion
Azure SQL query requests processed/day

750 million
Azure Active Directory users

188 billion
Hits to websites run on Azure Web App Service

>90%
of Fortune 500 use Microsoft Cloud
Let’s say your app is a car...

IaaS
...you can own and operate your own car

PaaS
Crytocar - create innovative apps using an application platform

SaaS
...you can take a taxi
Azure App Service

Web Apps: Web apps that scale with your business

Mobile Apps: Build Mobile apps for any device

Logic Apps: Automate business process across SaaS and on-premises

API Apps: Easily build and consume APIs in the cloud
App Service

- **Web Apps**
  - DevOps productivity
    - Source code control integration
    - C/CD build and deploy
    - Staged deployments with slots
    - Auto scale on demand
    - Monitoring and alerting

- **Mobile Apps**

- **API Apps**

- **Logic Apps**

- **Functions**

  - 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
    - Industry standards
    - Global scale
    - Corporate connectivity
    - Azure Active Directory
    - Dedicated environments
Web App Demo
Mobile App Demo
API App Demo
App Service

- Web Apps
- Mobile Apps
- API Apps
- Logic Apps
- Functions

Connect SaaS applications
- Salesforce
- SharePoint Online
- Box
- Marketo
- SAP

Unlock value across on-premises and cloud
- IBM Connections
- SharePoint
- Microsoft SQL Server
- BizTalk Server Connector

Automate EAI, B2B/EDI, and business processes
- XML
- 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
## Logic App Connectors

### Connectors
- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Slack
- 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
- Hybrid Connectivity

### Protocols
- HTTP, HTTPS
- File
- FTP, SFTP
- POP3/IMAP
- SMTP
Logic App Demo
Flame Sensor Architecture

• Raspberry Pi running Windows 10 IoT Core and UWP app with flame sensor that will send notification

• .NET Core app manages REST API with App Services

• See the code at https://github.com/kottofy/FlameSensor
Function App Demo
Illuminate Me

Enables the **Adafruit Feather Huzzah** or any ESP8266 chip to receive messages from an IoT-Hub that will light up a **Neopixel ring** or **jewel** when a tweet is made.
Resources

• Try App Service
  • https://azure.microsoft.com/en-us/try/app-service/
  • Enjoy a time-limited Azure App Service experience without a subscription, free of charge and commitment.

• Azure Marketplace
  • https://azure.microsoft.com/en-us/marketplace/
  • Online store for thousands of certified, open source, and community software applications, developer services, and data—pre-configured for Microsoft Azure.