Microsoft
tech·days
tour 2015
#mstechdays techdays.microsoft.fr

Microsoft

Azure App Services

Build mobile apps for any devices

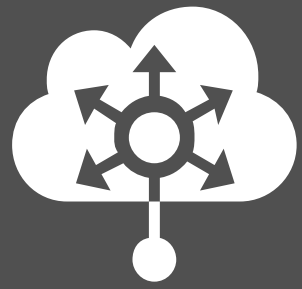
Jean-Sébastien Dupuy
Microsoft – Technical Evangelist
@dupuyjs

Services applicatifs sur Azure

Hier / Aujourd'hui

Azure Websites

Mobile Services



BizTalk Services

Services applicatifs sur Azure

App Services : une offre intégrée

=

Web Apps

Web apps that scale with your business

Mobile Apps

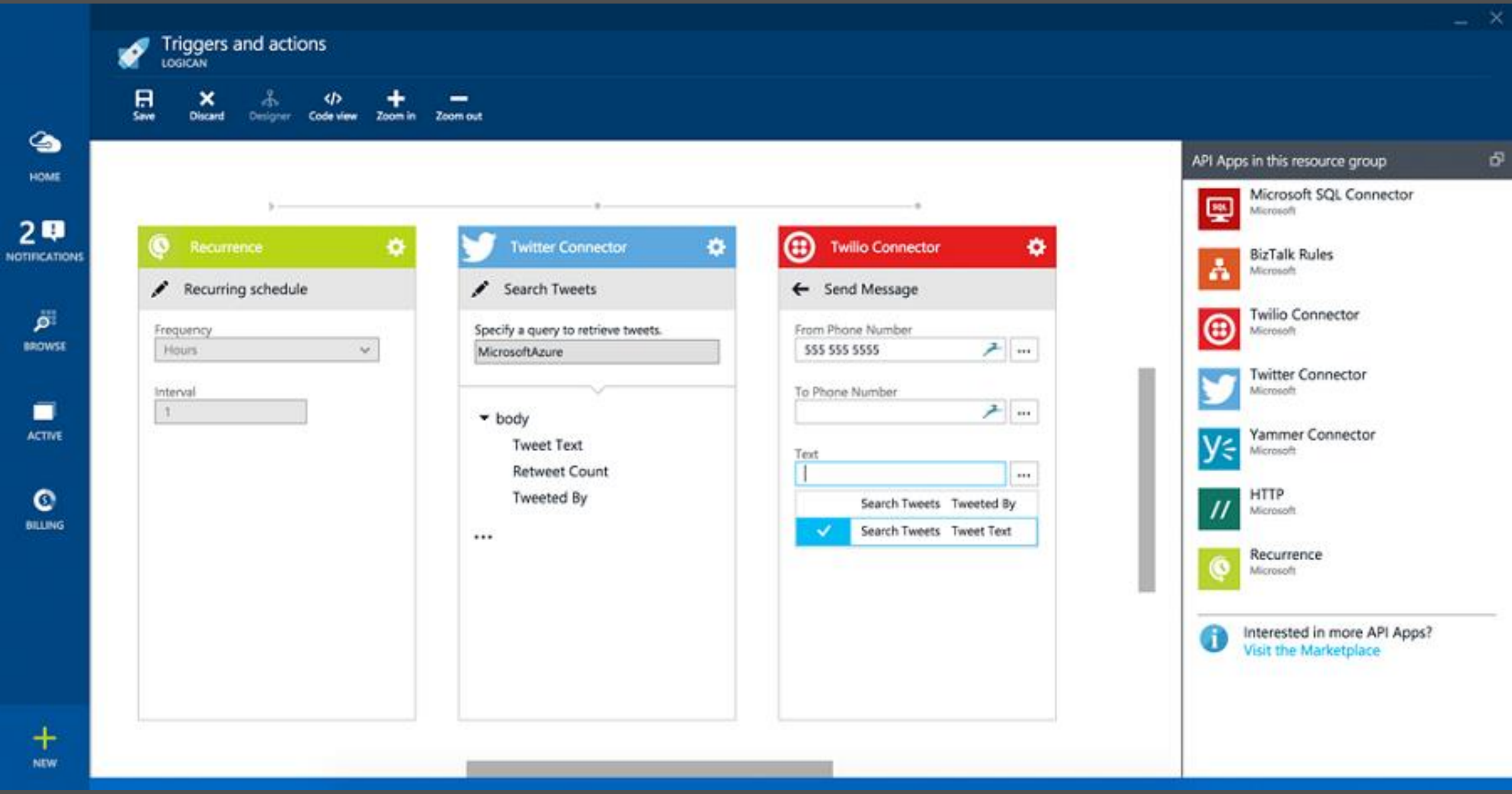
Build Mobile apps for any device

LOGIC Apps

Automate business process across SaaS and on-premises

API Apps

Easily build and consume APIs in the cloud


Triggers and actions
LOGICAN
Save
Discard
Designer
Code view
Zoom in
Zoom out
HOME
2
NOTIFICATIONS
BROWSE
ACTIVE
BILLING
NEW
Recurrence
Recurring schedule
Frequency
Hours
Interval
1
Twitter Connector
Search Tweets
Specify a query to retrieve tweets.
MicrosoftAzure
body
Tweet Text
Retweet Count
Tweeted By
Twilio Connector
Send Message
From Phone Number
555 555 5555
To Phone Number
Text
Search Tweets Tweeted By
Search Tweets Tweet Text
API Apps in this resource group
Microsoft SQL Connector
Microsoft
BizTalk Rules
Microsoft
Twilio Connector
Microsoft
Twitter Connector
Microsoft
Yammer Connector
Microsoft
HTTP
Microsoft
Recurrence
Microsoft
Interested in more API Apps?
Visit the Marketplace

Built-in API Connectors

Connectors

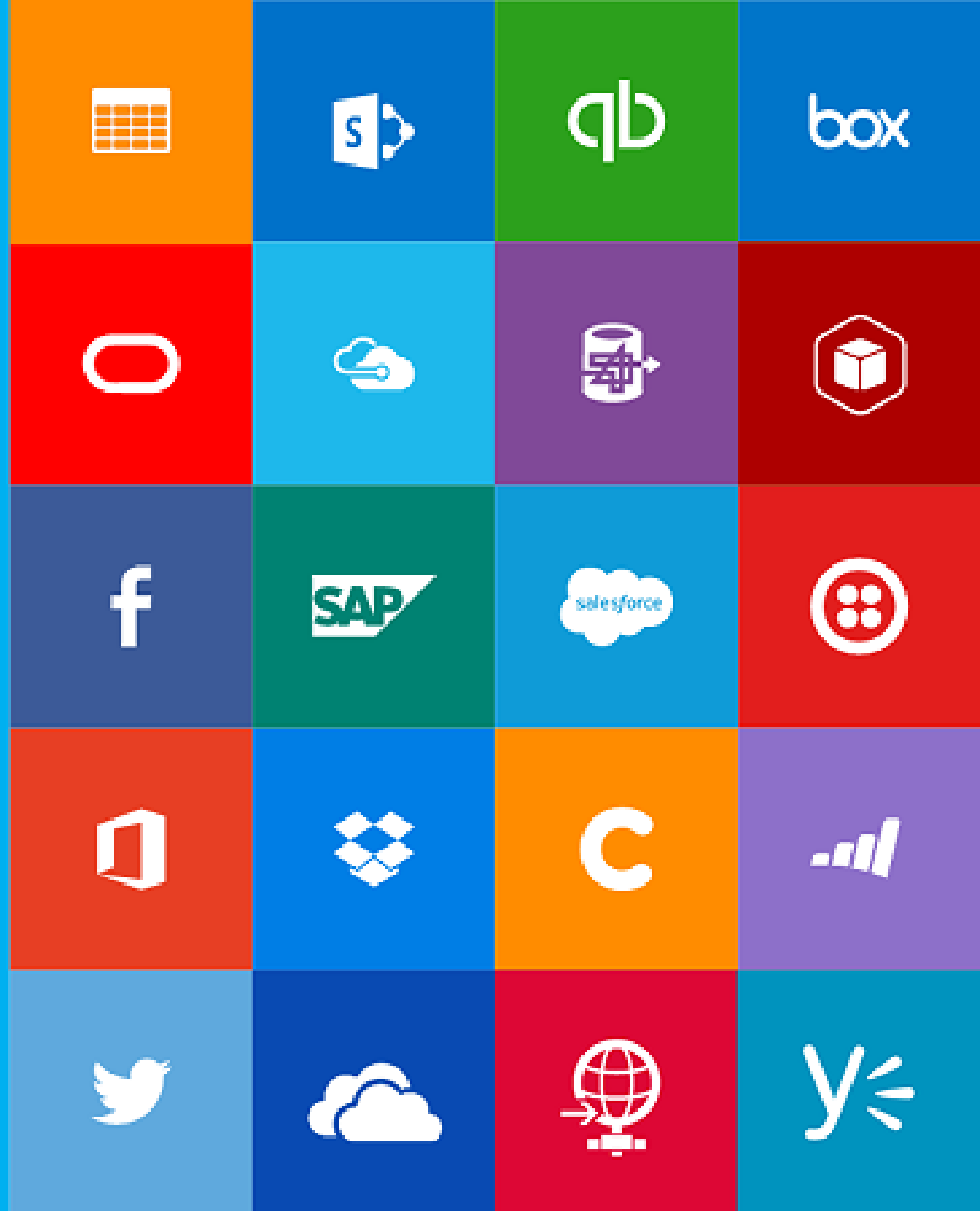
- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Marketo
- Azure Media Services
- OneDrive
- SharePoint
- SQL Server
- Office 365
- Oracle
- QuickBooks
- SalesForce
- Sugar CRM
- SAP
- Azure Service Bus
- Azure Storage
- Timer / Recurrence
- Twilio
- Twitter
- IBM DB2
- Informix
- Websphere MQ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

Protocols

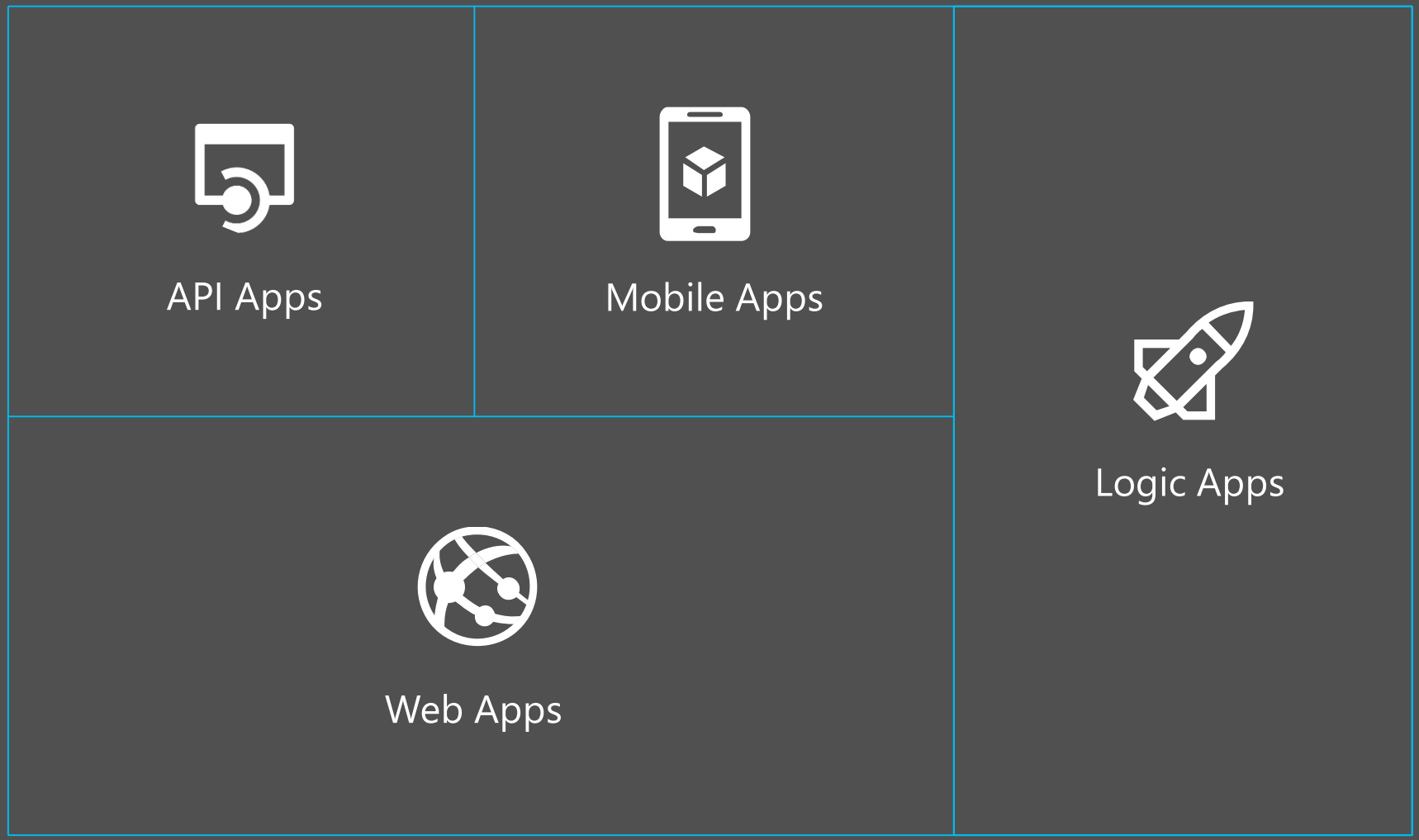
- HTTP, HTTPS
- File
- FTP, SFTP
- POP3/IMAP
- SMTP

BizTalk Services

- Batching / Debatching
- Flat File Encoder
- Validate
- Extract (XPath)
- Transform
- JSON Encoder
- X12
- EDIFACT
- AS2
- TPM
- Rules



Architecture des Services



New hosting benefits

Courtesy of *Azure Web Apps* (aka Azure Websites)

Built-in AutoScale support

Traffic manager support

Custom CNAMEs

VNET and VPN

More VM size and instance options

Web Jobs support

…

Share capacity across Web and Mobile

Staging slots

- Validate changes in your staging environment before publishing to production

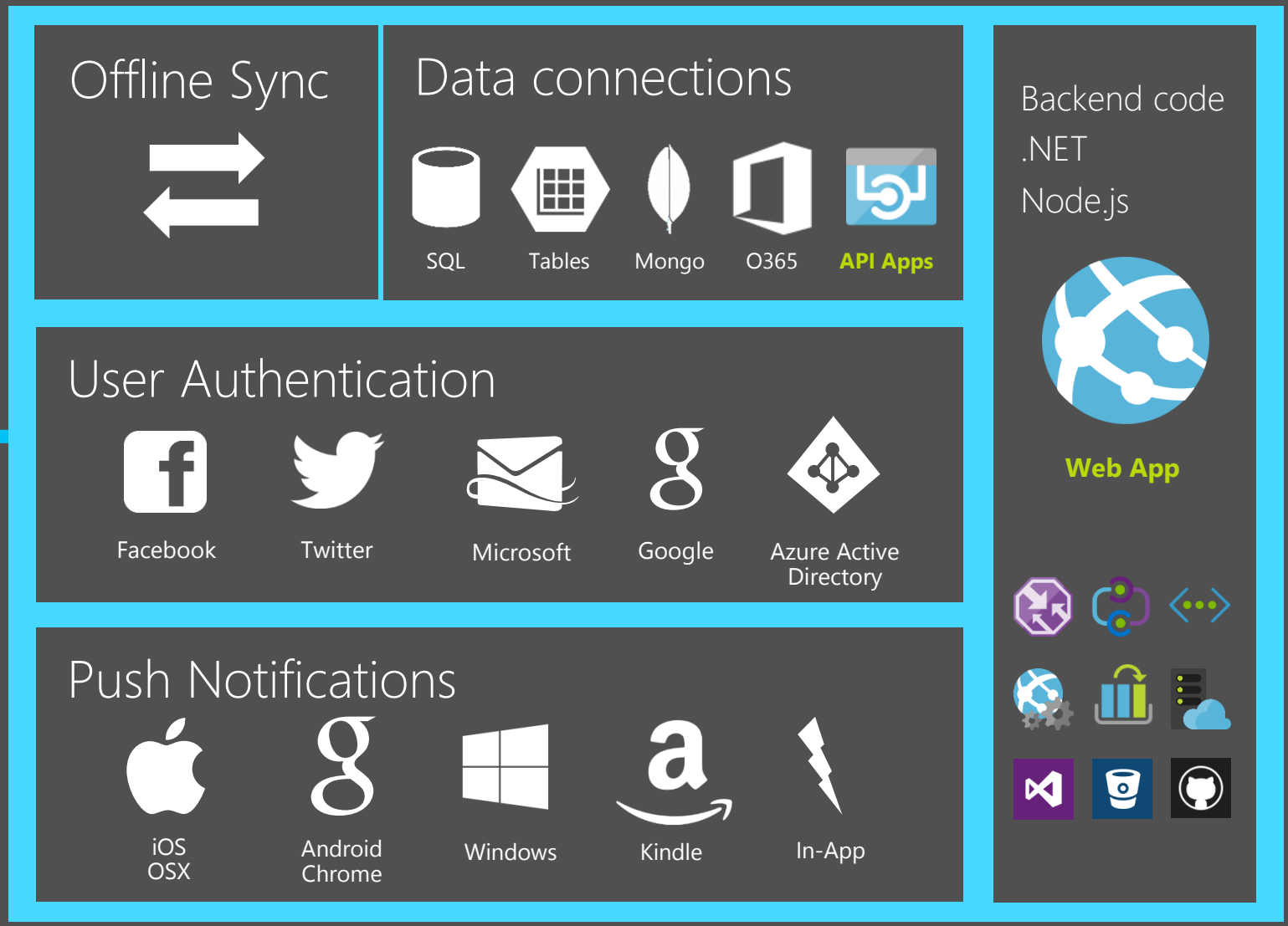
Continuous Integration/Deployment

- Support for BitBucket and Visual Studio Online; seamless integration with GitHub

Azure Mobile Apps

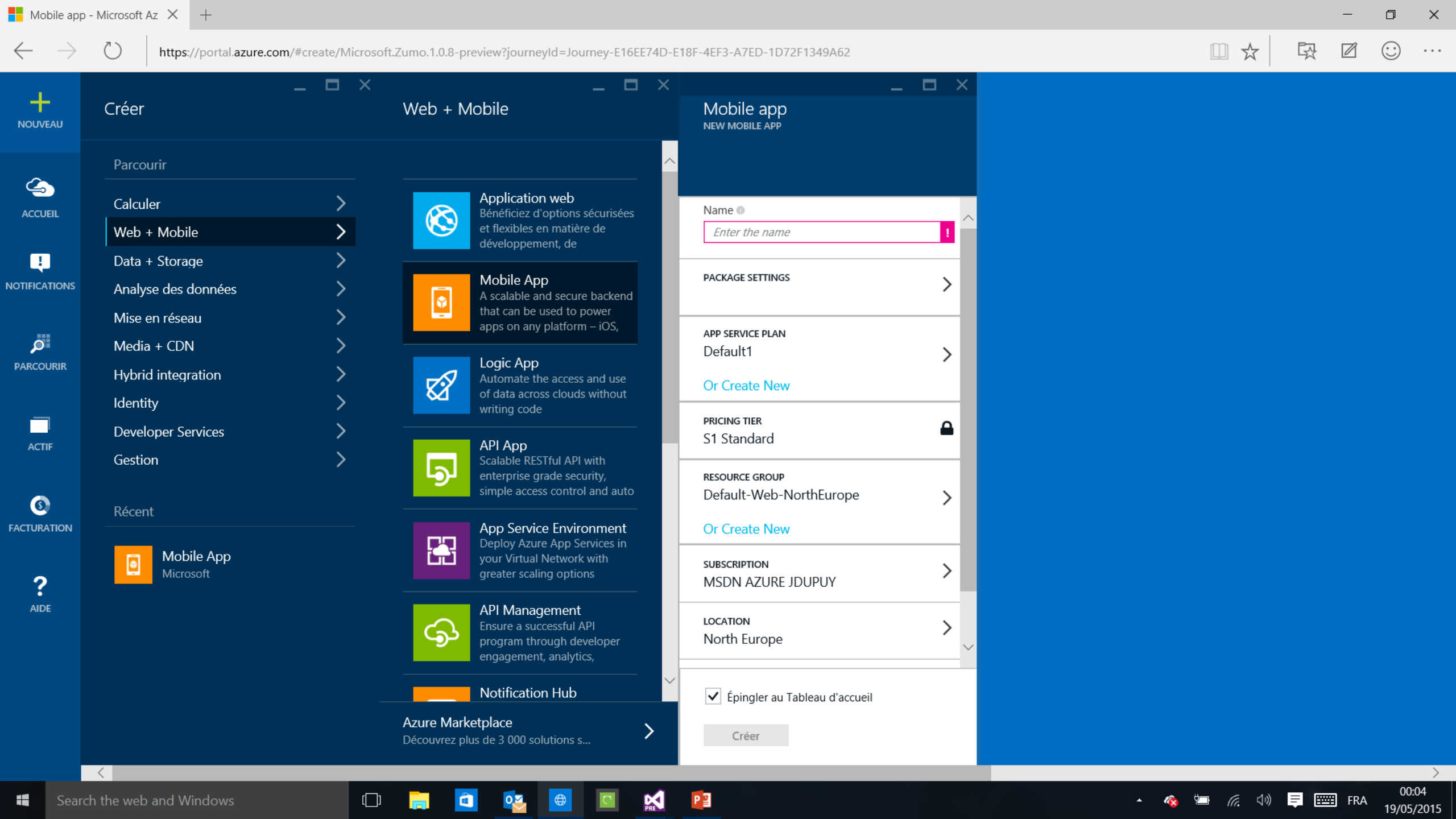
Azure Mobile Services

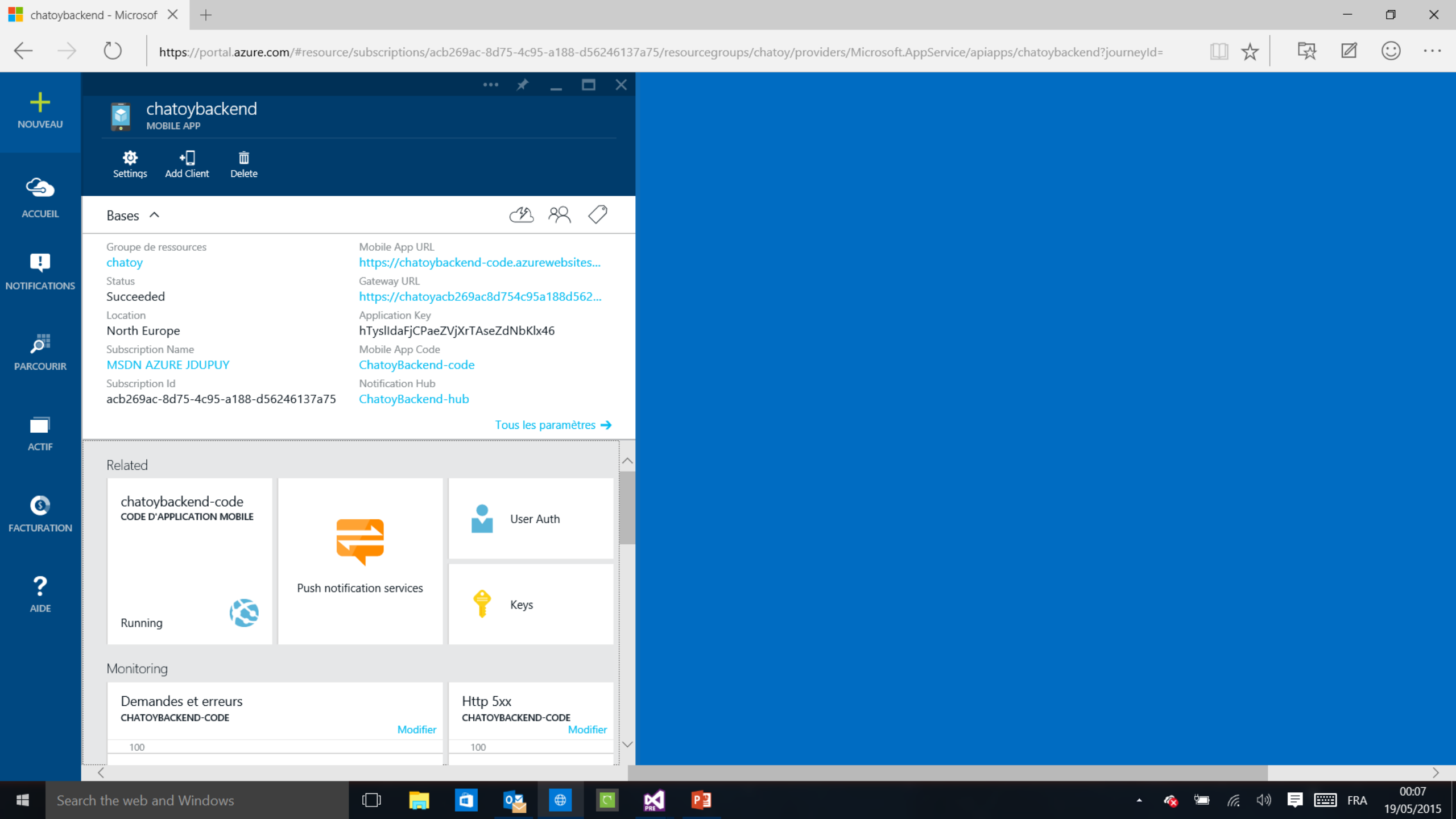
REST API

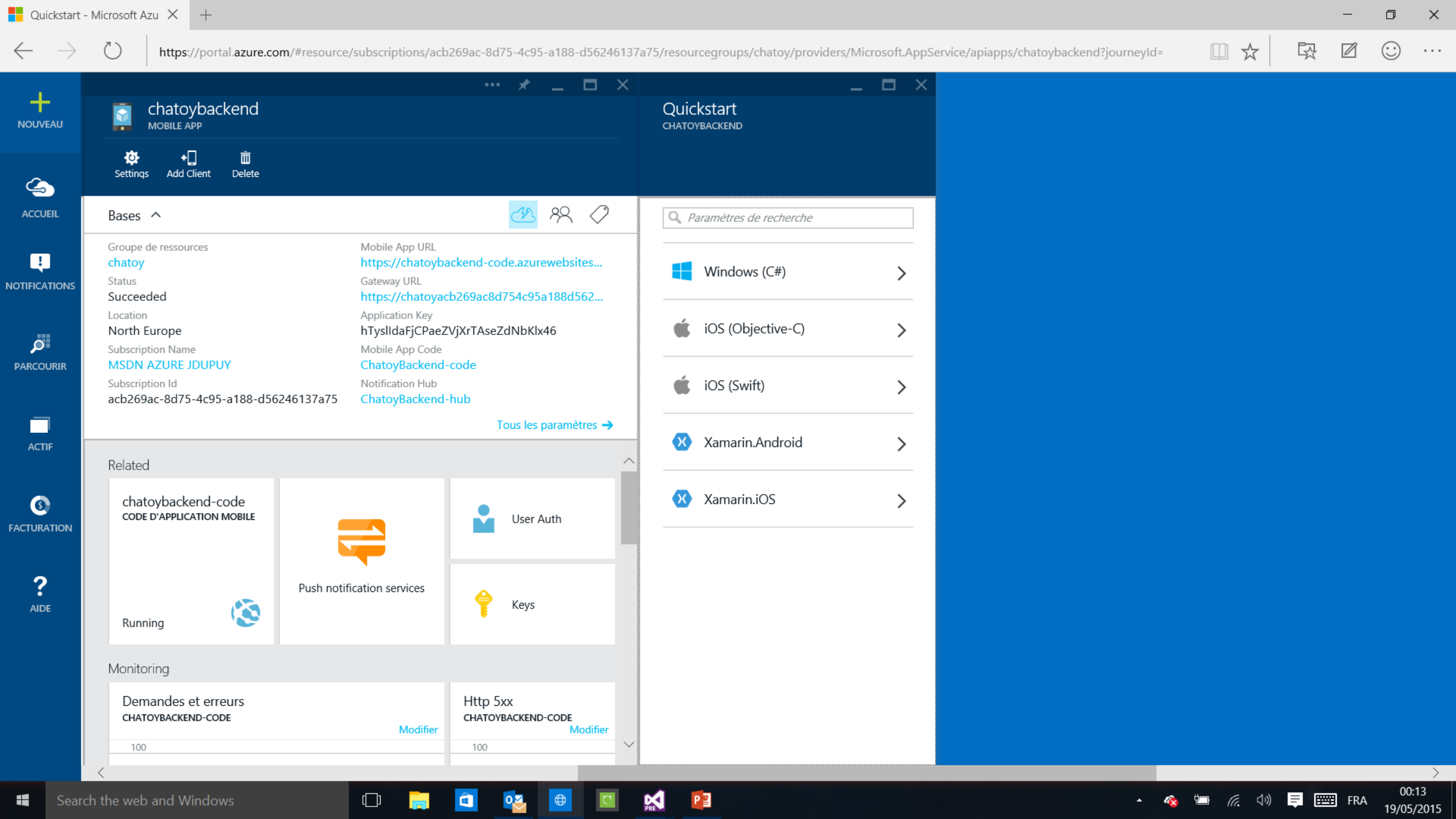


Demo

Authentication, Push Notification & Offline Sync


Mobile app - Microsoft Az
https://portal.azure.com/#create/Microsoft.Zumo.1.0.8-preview?journeyId=Journey-E16EE74D-E18F-4EF3-A7ED-1D72F1349A62
NOUVEAU
ACCUEIL
NOTIFICATIONS
PARCOURIR
ACTIF
FACTURATION
AIDE
Créer
Parcourir
Calculer
Web + Mobile
Data + Storage
Analyse des données
Mise en réseau
Media + CDN
Hybrid integration
Identity
Developer Services
Gestion
Récent
Mobile App
Microsoft
Web + Mobile
Application web
Bénéficiez d'options sécurisées et flexibles en matière de développement, de
Mobile App
A scalable and secure backend that can be used to power apps on any platform – iOS,
Logic App
Automate the access and use of data across clouds without writing code
API App
Scalable RESTful API with enterprise grade security, simple access control and auto
App Service Environment
Deploy Azure App Services in your Virtual Network with greater scaling options
API Management
Ensure a successful API program through developer engagement, analytics,
Notification Hub
Azure Marketplace
Découvrez plus de 3 000 solutions s...
Mobile app
NEW MOBILE APP
Name
Enter the name
PACKAGE SETTINGS
APP SERVICE PLAN
Default1
Or Create New
PRICING TIER
S1 Standard
RESOURCE GROUP
Default-Web-NorthEurope
Or Create New
SUBSCRIPTION
MSDN AZURE JDUPUY
LOCATION
North Europe
Épingler au Tableau d'accueil
Créer
Search the web and Windows
FRA
00:04
19/05/2015


chatoybackend - Microsof
https://portal.azure.com/#resource/subscriptions/acb269ac-8d75-4c95-a188-d56246137a75/resourcegroups/chatoy/providers/Microsoft.AppService/apiapps/chatoybackend?journeyId=
NOUVEAU
ACCUEIL
NOTIFICATIONS
PARCOURIR
ACTIF
FACTURATION
AIDE
chatoybackend
MOBILE APP
Settings
Add Client
Delete
Bases
Groupe de ressources
chatoy
Status
Succeeded
Location
North Europe
Subscription Name
MSDN AZURE JDUPUY
Subscription Id
acb269ac-8d75-4c95-a188-d56246137a75
Mobile App URL
https://chatoybackend-code.azurewebsites...
Gateway URL
https://chatoyacb269ac8d754c95a188d562...
Application Key
hTyslIdaFjCPaeZVjXrTAseZdNbKlx46
Mobile App Code
ChatoyBackend-code
Notification Hub
ChatoyBackend-hub
Tous les paramètres
Related
chatoybackend-code
CODE D'APPLICATION MOBILE
Running
Push notification services
User Auth
Keys
Monitoring
Demandes et erreurs
CHATOYBACKEND-CODE
Modifier
100
Http 5xx
CHATOYBACKEND-CODE
Modifier
100
Search the web and Windows
FRA
00:07
19/05/2015


Quickstart - Microsoft Azu
https://portal.azure.com/#resource/subscriptions/acb269ac-8d75-4c95-a188-d56246137a75/resourcegroups/chatoy/providers/Microsoft.AppService/apiapps/chatoybackend?journeyId=
NOUVEAU
ACCUEIL
NOTIFICATIONS
PARCOURIR
ACTIF
FACTURATION
AIDE
chatoybackend
MOBILE APP
Settings
Add Client
Delete
Bases
Groupe de ressources
chatoy
Status
Succeeded
Location
North Europe
Subscription Name
MSDN AZURE JDUPUY
Subscription Id
acb269ac-8d75-4c95-a188-d56246137a75
Mobile App URL
https://chatoybackend-code.azurewebsites...
Gateway URL
https://chatoyacb269ac8d754c95a188d562...
Application Key
hTyslIdaFjCPaeZVjXrTAseZdNbKlx46
Mobile App Code
ChatoyBackend-code
Notification Hub
ChatoyBackend-hub
Tous les paramètres
Related
chatoybackend-code
CODE D'APPLICATION MOBILE
Running
Push notification services
User Auth
Keys
Monitoring
Demandes et erreurs
CHATOYBACKEND-CODE
Modifier
100
Http 5xx
CHATOYBACKEND-CODE
Modifier
100
Quickstart
CHATOYBACKEND
Paramètres de recherche
Windows (C#)
iOS (Objective-C)
iOS (Swift)
Xamarin.Android
Xamarin.iOS
Search the web and Windows
FRA
00:13
19/05/2015

Push Notifications 101

Register device handle at app launch

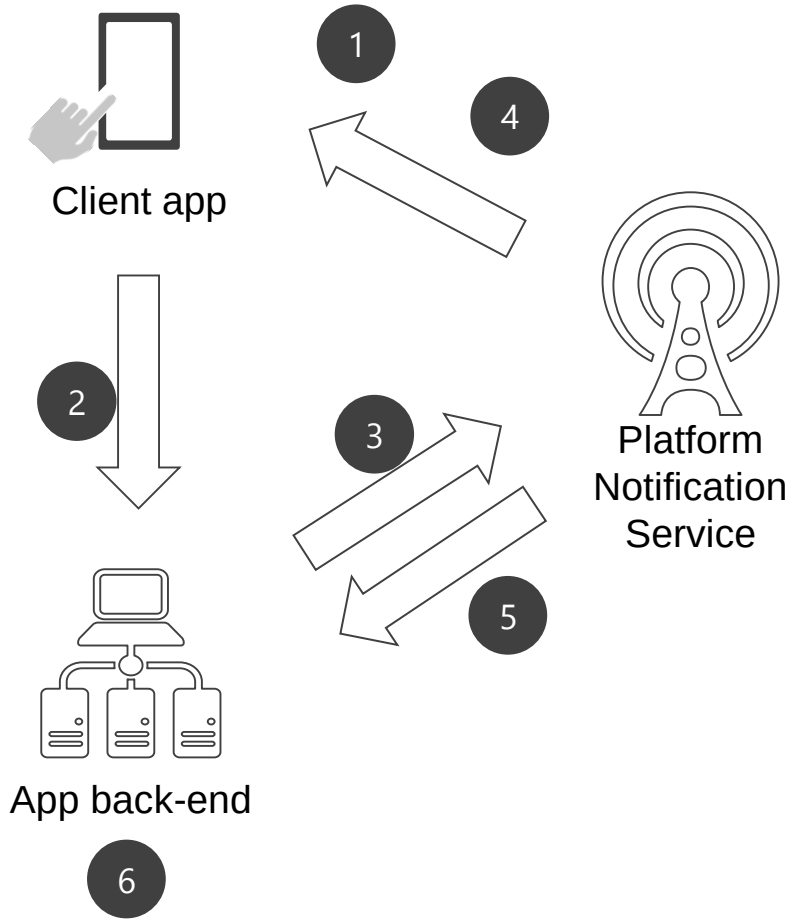
1. Client app retrieves handle from Platform Notification Service (PNS)
2. Client app sends handle to your custom backend

Send Notification

3. *Your backend connects to PNS and requests push*
   Your code has to manage scale
   Your code has to map between logical users and device handles
4. PNS pushes notification to device

Maintain backend device handles

5. *Your code* must delete expired handles when PNS rejects them
6. *Your code* must map between logical users and device handles



Azure Notification Hubs

Register device handle at app launch

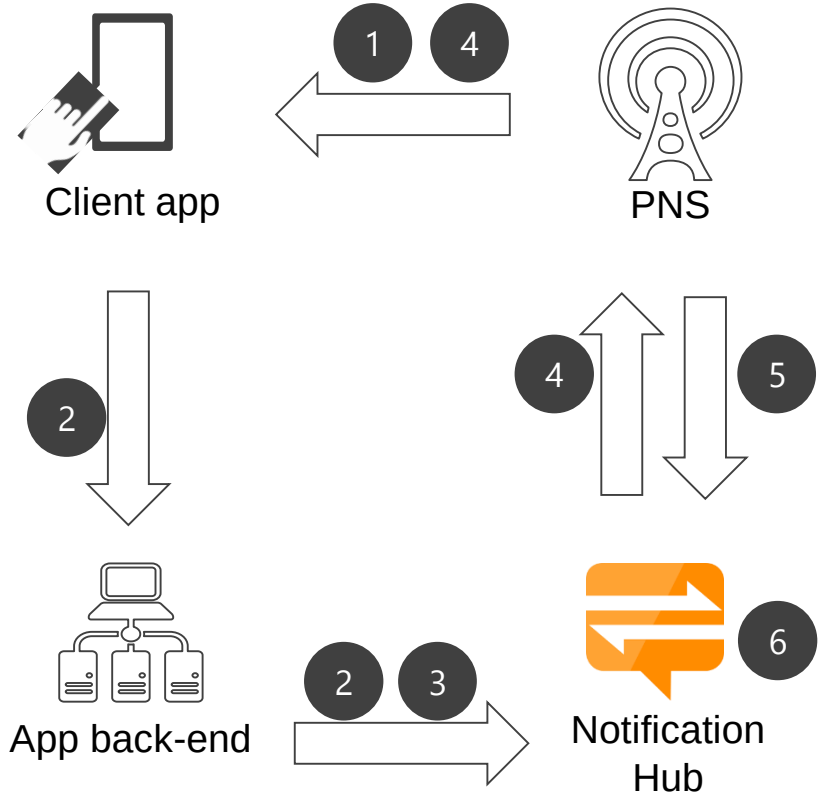
1. Client app retrieves handle from Platform Notification Service
2. Client sends handle to your backend
   Backend **registers with Notification Hub** using *tags* to represent logical users and groups

Send Notification

3. Backend sends request to Notification Hub using a tag
   Notification Hub manages scale
   Notification Hub maps logical users/groups to device handles
4. **Notification Hub** delivers notifications to matching devices via PNS

Maintain backend device handles

5. **Notification Hub** deletes expired handles when PNS rejects them
6. **Notification Hub** maintains mapping between logical users/groups and device handles



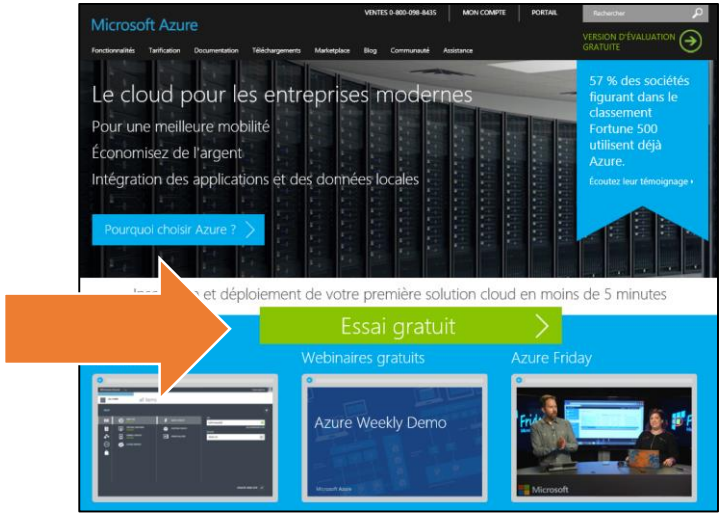
Démarrez avec votre Azure

Pour tous

Un mois d'essai offert

http://azure.com

150€ de ressources offertes
Sans engagement



Pour les startups

Bizspark

http://www.microsoft.com/bizspark/

BizSpark

115€ /mois
x5 membres
x3 ans
= **4 175€** de ressources offertes

BizSpark Plus

= **49 000€** de ressources offertes
pendant un an

Pour les abonnés

MSDN

http://aka.ms/azurepourmsdn

Activez vos bénéfices Azure jusqu'à
115€ de ressources mensuelles offertes

Your existing investments are safe

After General Availability, **you choose** when to migrate to Azure Mobile Apps

- Azure Mobile App is still in preview
  This is your chance to influence the product!
- New features will go into Mobile Apps
- Azure **Mobile Services** is *still fully supported*
- After GA, we will offer a seamless migration experience

Microsoft

tech·days
tour 2015

#mstechdays techdays.microsoft.fr/tour

© 2015 Microsoft Corporation. All rights reserved.