.NET Conf
"Focus on Xamarin"
.NET
focus.dotnetconf.net

Stitching Together a Mobile Backend

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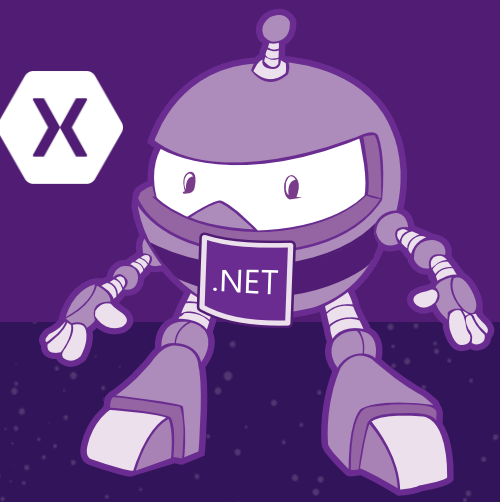


Apps Need a Backend

Resilient

Scalable

Fast

Synchronization

Tons of Moving Pieces

Auth

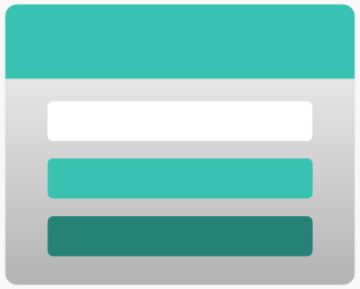
Data

Security

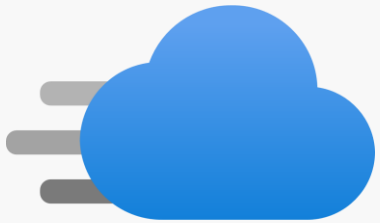
Compute

How do they fit together?

Stitch Them Together!



Storage



CDN

Cosmos DB

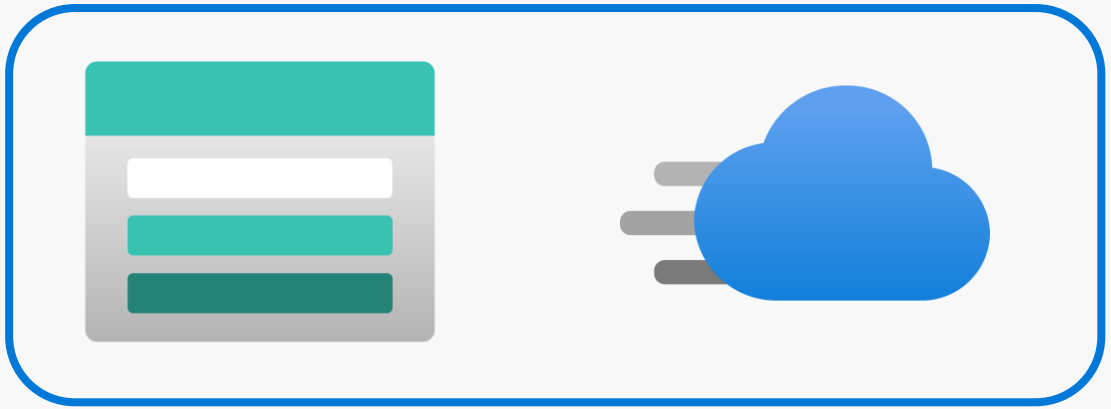
Key Vault

Functions

B2C

What we're starting with… .NET

Storage and CDN



Static!

Cheap!

Images!

Fast!

Worldwide!

Demo - Storage and CDN

.NET

Data – Cosmos DB

Free tier!

NoSQL – JSON!

Security!

.NET SDK!

Worldwide!

Demo - Cosmos DB

.NET

Data – Cosmos DB Security

Partitions

Public and per user

Tokens

No app credentials

Where are those tokens?

Compute – Azure Functions

Serverless!

Web API!

Cheap!

Bindings!

Plays nice with others!

Demo - Functions

.NET

Identity – Azure AD B2C

Identity as a Service

Consumers

Social accounts

Active Directory

MSAL SDK

Demo - Azure AD B2C

.NET

Security – Key Vault

Secrets management

Use AAD

Apps have access…

Users don’t

Demo - Key Vault

.NET

It's stitched!

aka.ms/monkey-fresh

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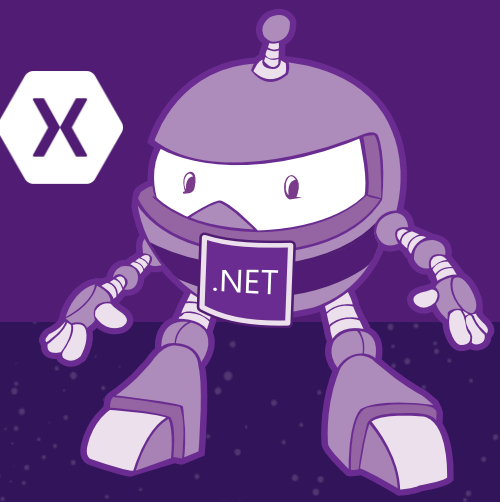
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