



Mobile-Enabling Enterprise APIs

A Case Study with MasterCard Developer Zone

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Topics We Will Cover Today

- Why developer ecosystems are important to MasterCard
- Challenges around ecosystem adoption in the mobile-first world
- MasterCard App LaunchPad goals and experience
- App LaunchPad and AnyPresence brief demonstration
- Underlying technology components



MasterCard OpenAPI

In the business of innovation

Can be quite a task to work with large companies



OpenAPIs - gateways that simplify access



Simplicity is the goal


OpenAPI platforms host
the socket...



Developers build the
plug...

developer.mastercard.com



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OPEN TO INNOVATION



MasterCard Developer Zone

For the first time ever MasterCard has opened the financial and data services that drive global commerce. Now, you can harness this power to create the groundbreaking and innovative applications of the future.

[See our services](#)

STEP 1. REGISTER

Create your account to get started.

[Create account](#)

STEP 2. DEVELOP

Build an application using MasterCard services.



STEP 3. DEPLOY

Share your new app with the world.





Recent Blog Posts

MasterCard at AppNation Dec. 3-4

MasterCard Developer Zone will be at AppNation V at Moscone West, Tuesday December 3rd and Wednesday December 4th. We're excited to tell you about some of our new work. We'll be on Stage 2 on Tuesday, December 3rd, at 11:40 AM, announcing our latest product aimed at making secure API integration a breeze.

Events

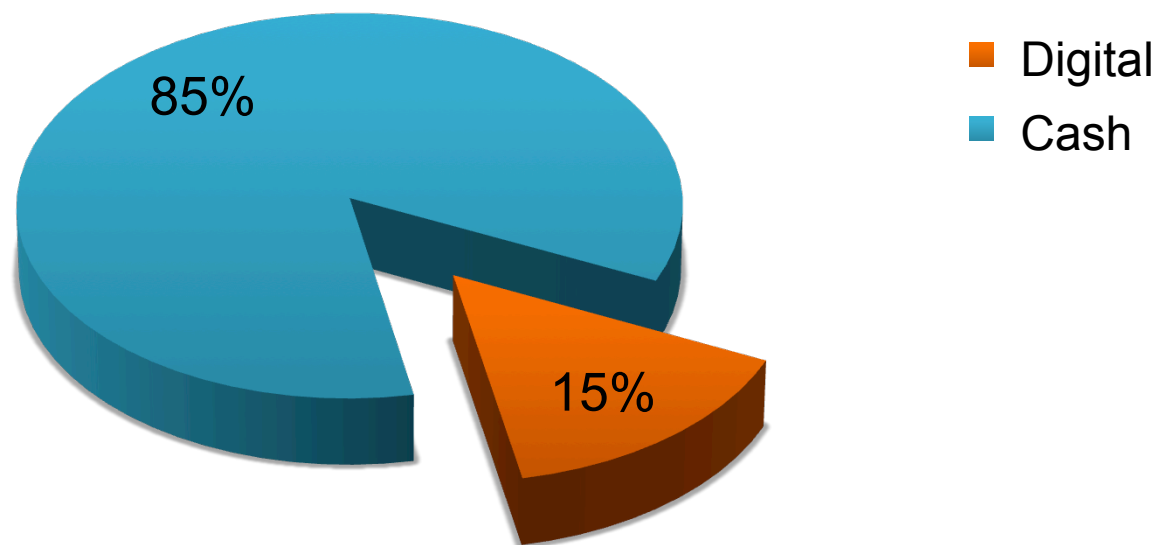
MasterCard at AppNation V, Dec 3-4

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[Click here for more information.](#)

Leading the charge to a cashless society

Global Retail Payment Transactions
~ \$21 Trillion



Today, around **85% of all retail payment transactions are done with cash**

App LaunchPad addresses one of our tenets

Provide valuable
services



APIs support business
models

Provide great
developer support



Simple, flexible & easily
adopted

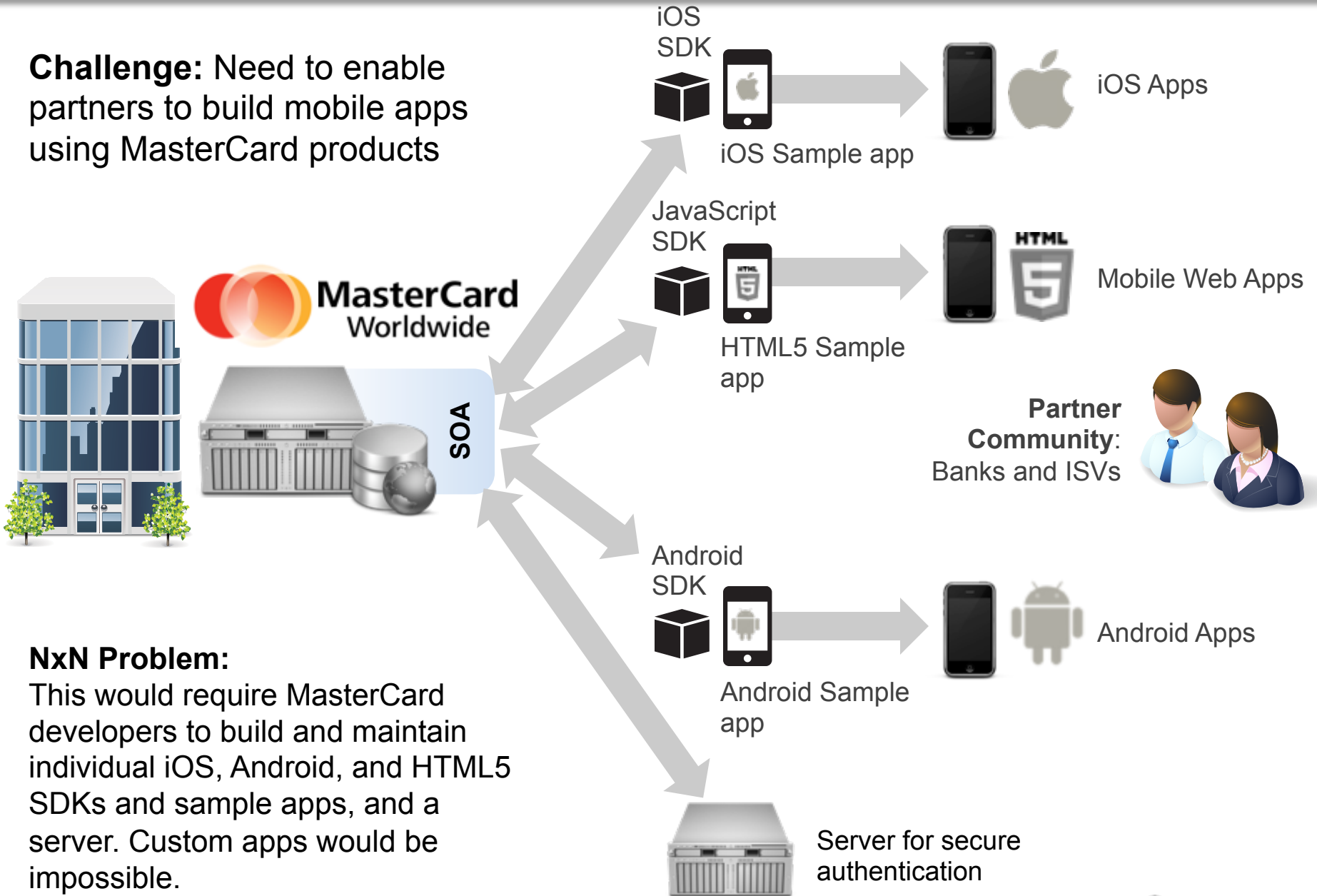
High performance &
high availability



Managed & measured

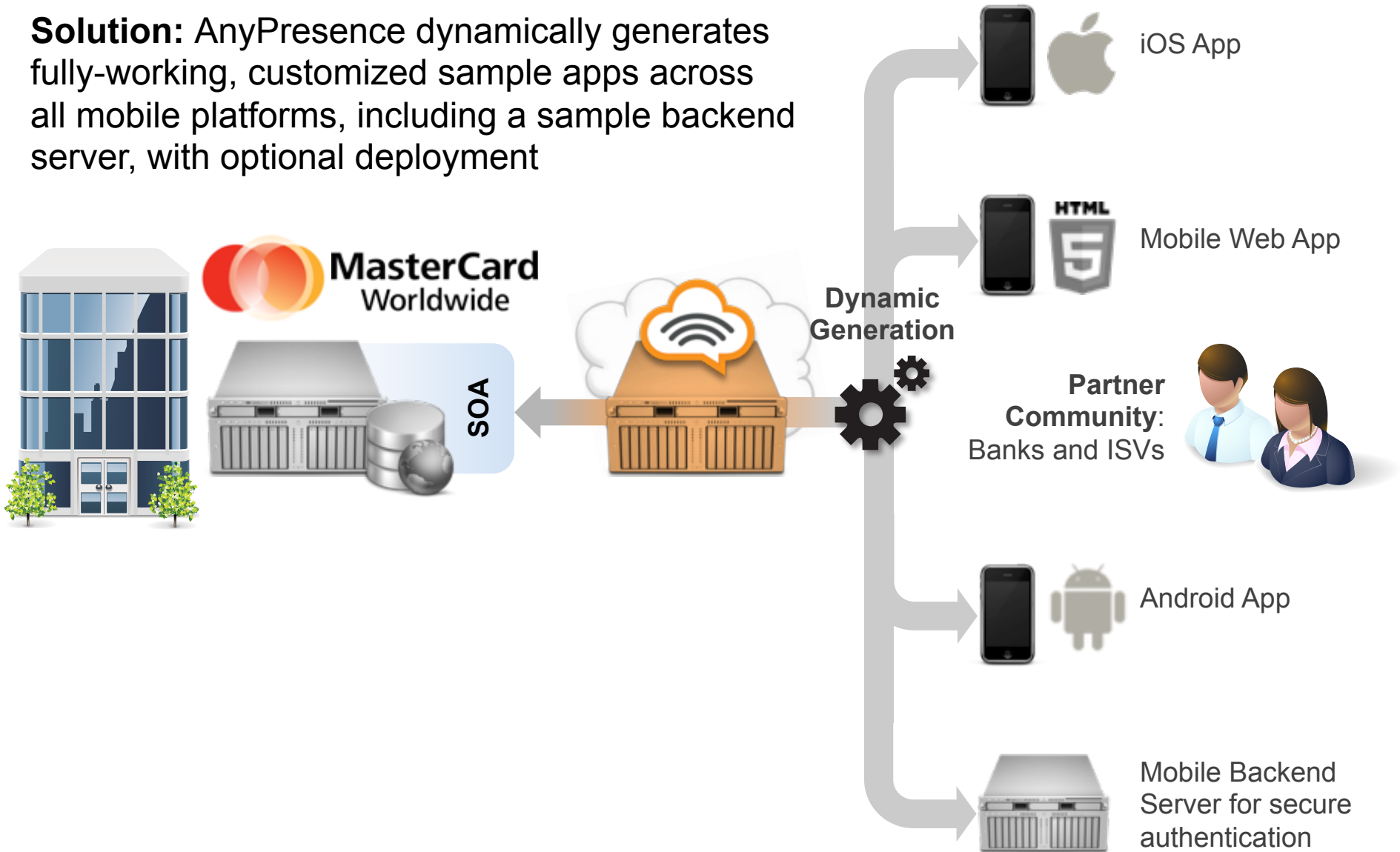
MasterCard API to Mobile Challenge

Challenge: Need to enable partners to build mobile apps using MasterCard products

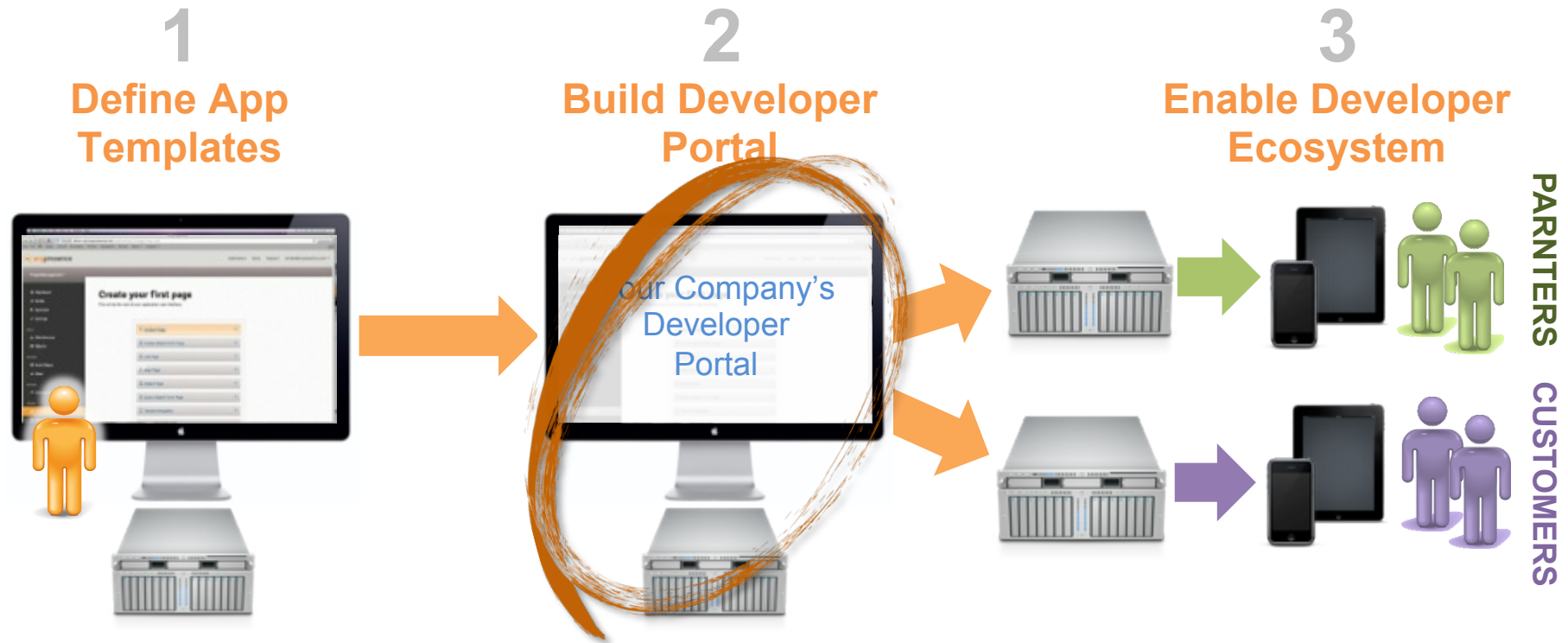


MasterCard with AnyPresence App Launchpad

Solution: AnyPresence dynamically generates fully-working, customized sample apps across all mobile platforms, including a sample backend server, with optional deployment



Summary of How It Works



- Define templates with pre-built integration to your product, service, or content
- Determine which features can be customized by partner or customer developers

- Custom-branded developer portal or new functionality within existing solution
- Enables users to select a template, specify options, and generate an cross-platform apps

- Download source code for backend server, SDKs, and UI starter kits (option to compile apps and host server)
- Functional app with customizable code and deployment options



MasterCard App LaunchPad Demonstration

Summary of How It Works

1

Define App Templates



- Define templates with pre-built integration to your product, service, or content
- Determine which features can be customized by partner or customer developers

2

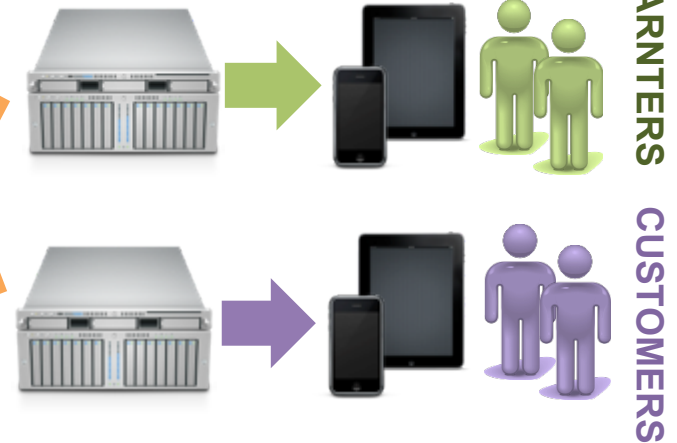
Build Developer Portal



- Custom-branded developer portal or new functionality within existing solution
- Enables users to select a template, specify options, and generate an cross-platform apps

3

Enable Developer Ecosystem

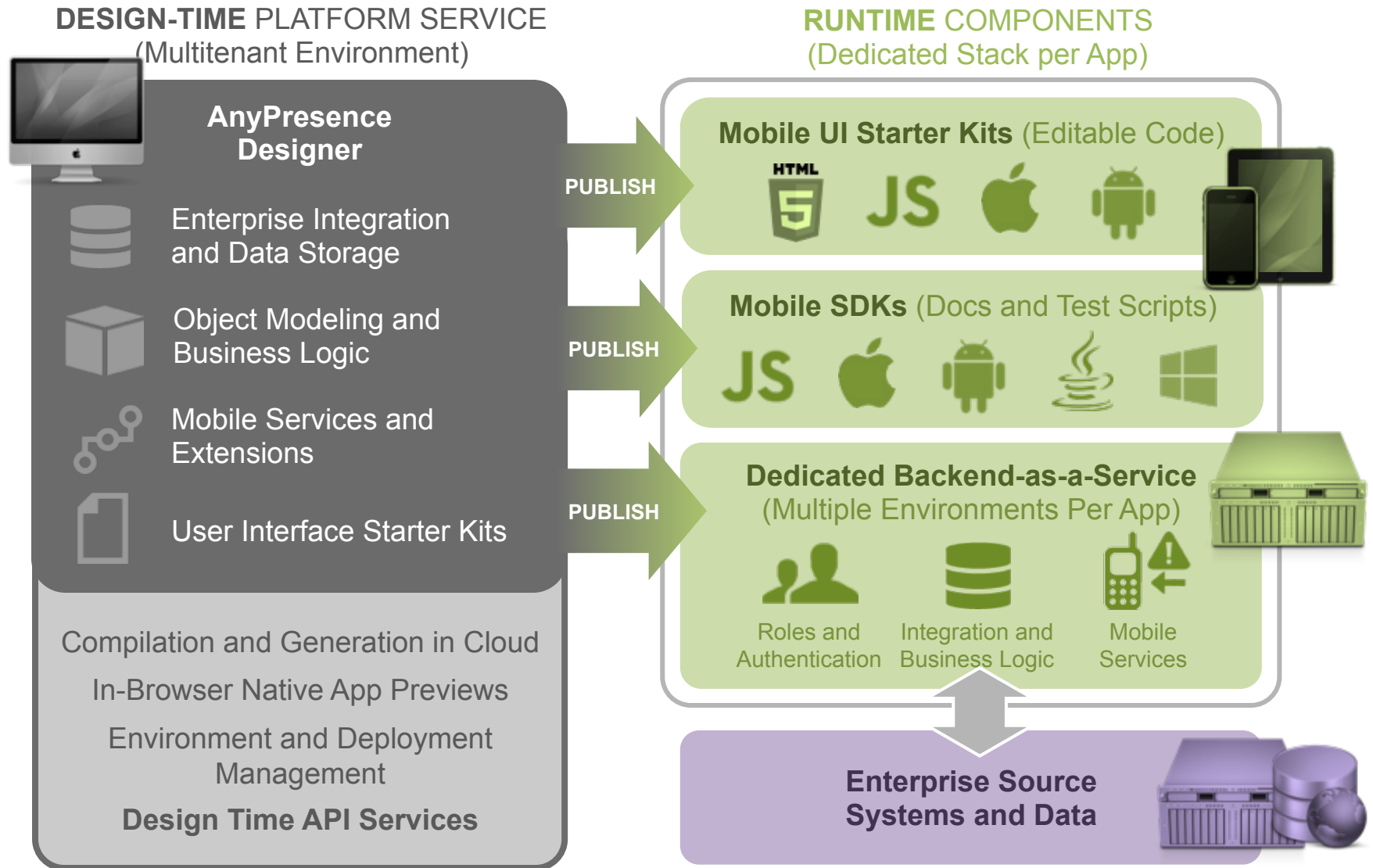


- Download source code for backend server, SDKs, and UI starter kits (option to compile apps and host server)
- Functional app with customizable code and deployment options



AnyPresence Designer Demonstration

Behind The Scenes



Benefit of this Approach

App UI Starter Kits

- ✓ Fully-working app
- ✓ Editable source code

Lower development hurdles, reduce time to market, and improve adoption

Cross-platform SDKs (+docs)

- ✓ Drop into app project
- ✓ Familiar syntax

Mobile Backend Server

- ✓ Mobile optimized APIs, domain-specific abstraction layer
- ✓ App-specific services and business logic

APIs Endpoints Only

- ✗ Takes time to interpret and implement
- ✗ Lacks app-specific mobile services; typically designed for web apps

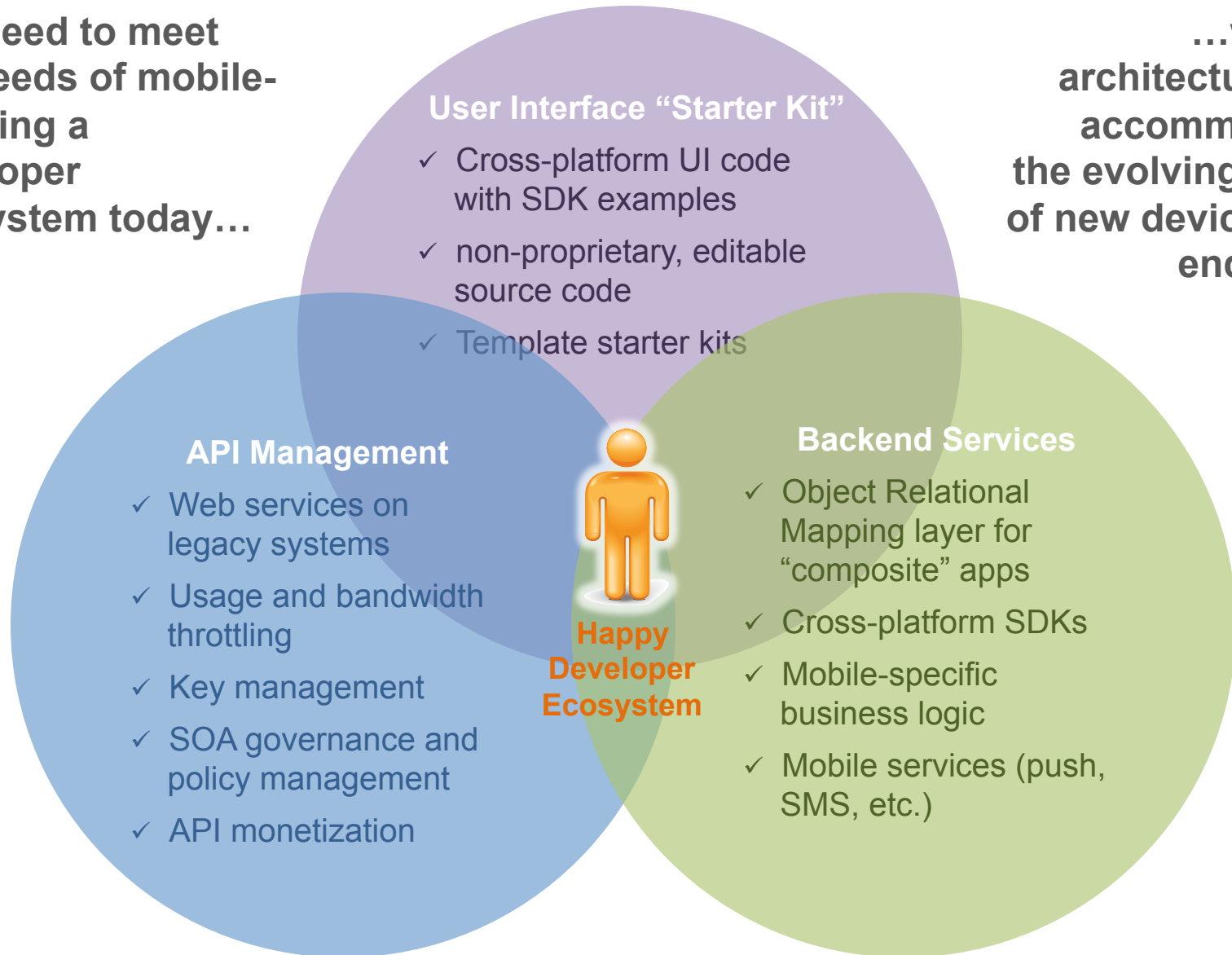
APP DEVELOPMENT TIMEFRAME



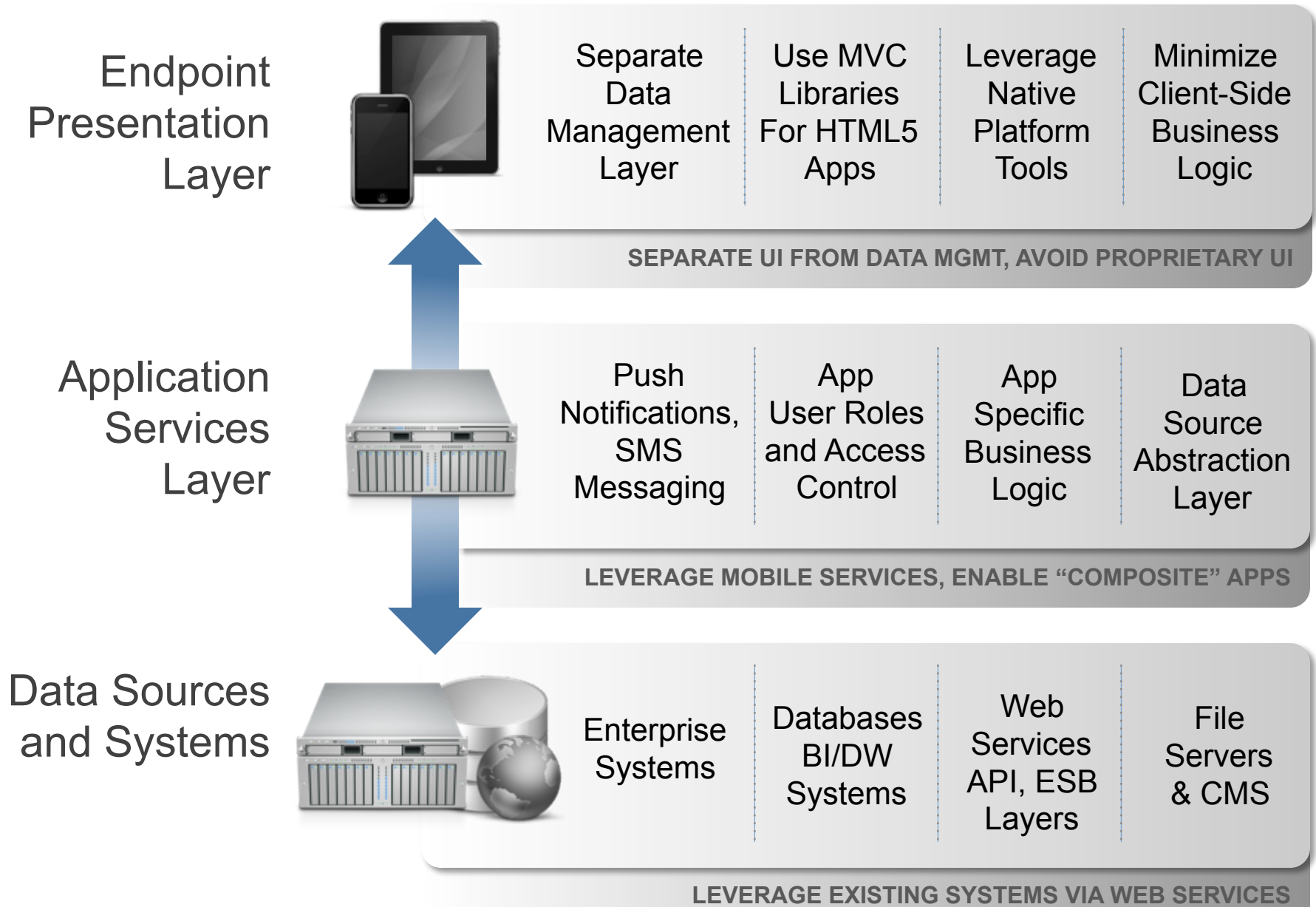
Lessons Learned: Evolving Developer Ecosystem Needs

You need to meet the needs of mobile-enabling a developer ecosystem today...

...with an architecture that accommodates the evolving needs of new devices and endpoints



Lessons Learned: Architecture Best Practices





Thank You!

AnyPresence

<http://www.anypresence.com>

MasterCard Developer Zone

<http://developer.mastercard.com>