



Apigee Edge Harness the Power of Enterprise Infrastructure

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The Apigee logo, which consists of the word 'apigee' in white lowercase letters on a red rectangular background. The background of the slide also features a faint, stylized line drawing of a city skyline with a bridge, likely the San Francisco skyline and the Golden Gate Bridge.

apigee

Agenda

1. Security
2. Co-existence
3. Deployment choices
4. Self service
5. Agile API lifecycle

Security

Developer friendly



Built to address all aspects of API security

Authentication & Authorization

OAuth, Token Service

SAML, LDAP

Traffic Management

Spike Arrest

Threat Protection

User Management

Role-based access

Custom Provider

Infrastructure & Compliance

Complex SSL

PCI, HIPPA , SOC2 certified

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Demo

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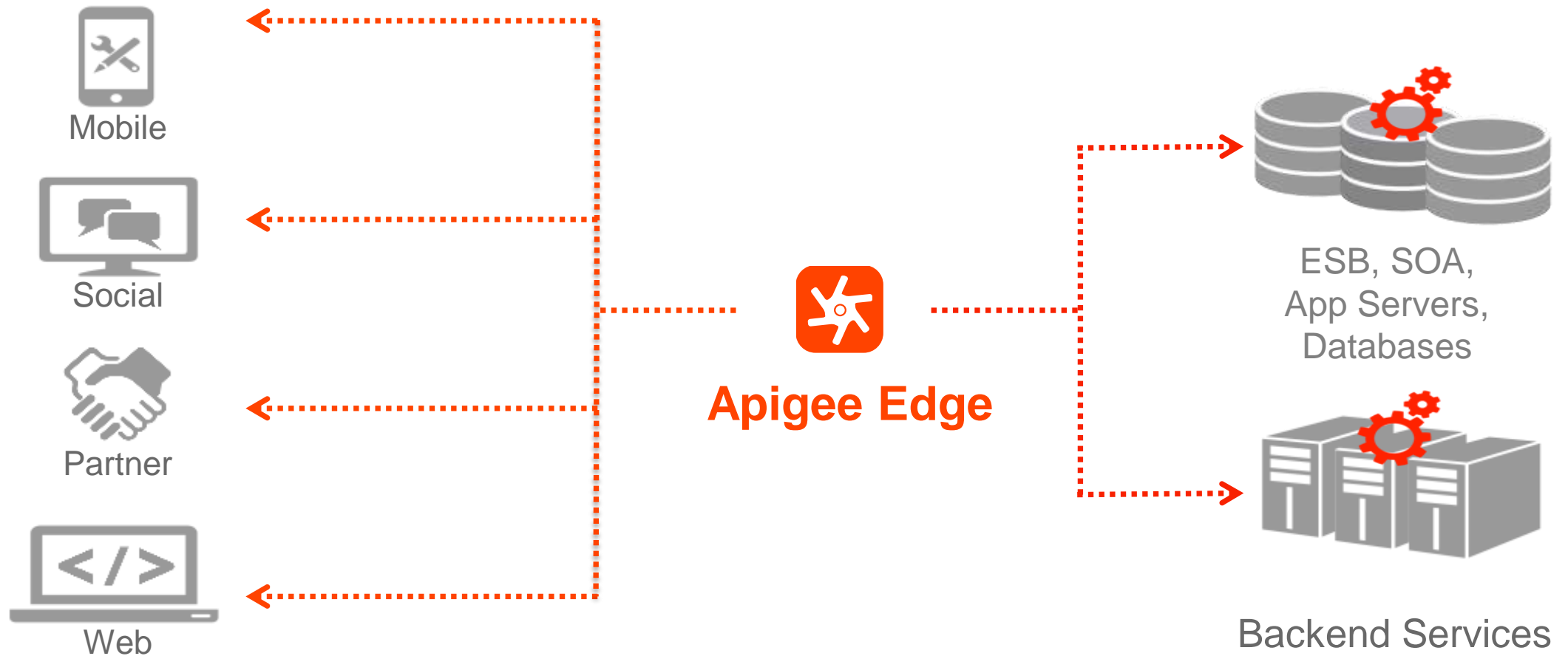


Co-existence

Leverage Existing Assets



Enable new digital channels



Prepare for tomorrow while leveraging today's technology

Leverage

SOAP, JMS to integrate with SOA or other middleware



OAuth1.0a, SAML, LDAP for web-centric security



Reuse Java or Python based business logic



Adopt

REST, JSON to enable lightweight apps

OAuth 2.0 for app-centric security

Build new API or lightweight orchestration using node.js

Demo

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Deployment Choices

Maximum Flexibility



Architected for scale

Apigee Edge Cloud



Thousands of
customers

Thousands of
APIs and apps

Billions of API calls

Apigee Edge On-premises



Single box
install

Multiple
topologies

Multi-DC setup

Apigee Edge cloud provides true enterprise cloud

Global

Worldwide network

Multi-continent
distribution network

Operations centers
around the globe

Pure Cloud

Elastic capacity

5-tier cloud
architecture

Zero downtime

24/7

Real-time and
historic health

Security and
compliance tracking

Pro-active monitoring
& resolutions

Self-service

Lower TCO & instant access



Easy on-boarding



Technology

- Multi-tenant
- Automated provisioning



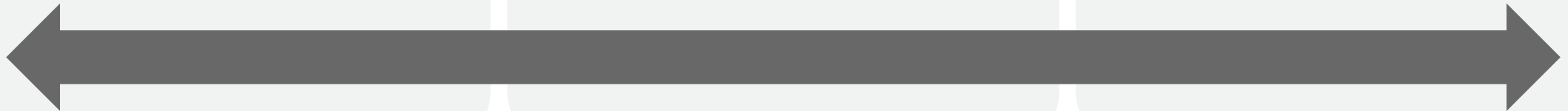
API Developer

- User
- Role Management



App Developer

- App SDK
- Developer portal



Demo

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Accessing the Power with Simplicity

Analytics
Services

Developer
Services

API
Services



API Program View

Hour Today Week Month Custom

Thu Oct 24 2013, 12:00:00 am — Thu Oct 31 2013, 11:19:33 am

API Traffic

Detail

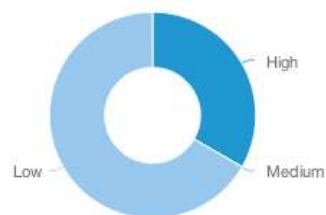
By Hour



TRAFFIC TOTAL
108,040
TODAY VERSUS YESTERDAY
▲ 0.32%
TRAFFIC ERRORS
69

Developer Engagement

Traffic Level



DEVELOPER SIGNUPS TOTAL

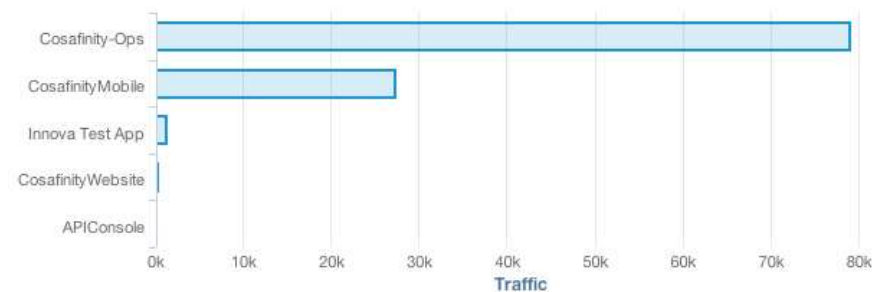
30

THIS WEEK VERSUS LAST WEEK

▼ -100%

High: 1
Medium: 0
Low: 2
Inactive: 27

Developer Apps



Accessing the Power with Simplicity

Analytics
Services

Developer
Services

API
Services

Developer Apps

<input type="text"/>	All	Pending	Revoked	Approved	+ Developer App			
Developer App	Developer	App Family	Company	Key	Metrics for Last 24 Hours		Registered	Actions
					Traffic	Error Rate (%)		
TestApp	Rajesh Mishra	default		Key requested			Oct 21, 2013 11:57:09 PM	✕ Delete
DinoGold	Dino Chiesa	default		Key requested			Oct 11, 2013 3:51:50 PM	✕ Delete
hueapp	Sandeep Murusupalli	default		Key requested			Oct 8, 2013 1:56:32 AM	✕ Delete
AexpApp-1	Dino Chiesa	default		Key requested			Sep 27, 2013 2:36:30 PM	✕ Delete

Accessing the Power with Simplicity

Analytics
Services

Developer
Services

API
Services

catalogs

Project Save Revision 2 New New Policy Attach Policy Deployment Overview Develop Trace

Navigator

- Polices
 - DeveloperQuotas
 - SetCatalogProductParams
 - XMLThreatProtection-1
 - XML to JSON 1
 - PythonDisablePathSuffix
 - ExtractSubCategory
 - Response Caching
 - ExtractCatalog
 - CustomAnalyticsLogger
 - SetProductPath
 - AccessToken Validation
 - XML2JSON
 - API Key Validation
 - ExtractProductsParams
 - CORSPreflight
 - Spike Arrest 1
 - CORS
- Proxy Endpoints
 - default
 - All PreFlow
 - GET products
 - GET catalogproducts
 - GET subcategories

Designer: Endpoint default, Flow PreFlow

API Key Validation Access Token Validation Developer Services Response Caching XML to JSON 1

App Request Server Response

Property Inspector: ApikeyValidation

GetOAuthV1Info	
GetOAuthV1Info enabled	true
GetOAuthV1Info continueOnError	false
GetOAuthV1Info async	false
GetOAuthV1Info name	ApikeyValidation
Description	Authenticates the API ...
DisplayName	API Key Validation
FaultRules	
Properties	
AppKey ref	request.queryparam.ap...
AppKey	

Code: ApikeyValidation

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <GetOAuthV1Info enabled="true" continueOnError="false" async="false" name="ApikeyValida
3   <Description>Authenticates the API Key based request</Description>
4   <DisplayName>API Key Validation</DisplayName>
5   <FaultRules/>
6   <Properties/>
7   <AppKey ref="request.queryparam.apikey"></AppKey>
8 </GetOAuthV1Info>
9
```

Access with powerful APIs

Create an environment

```
.../organizations/<org-name>/environments" -d " <Environment name=\"<env-name>\"/>"
```

Associate an environment with message processor(s)

```
.../organizations/<org-name>/environments/<env-name>/servers" -d "action=add&uuid=<uuid>"
```

Deploy an API to an environment

```
.../organizations/{org_name}/environments/{env_name}/apis/{api_name}/revisions/{revision_number}/deployments?basepath="/
```

Demo

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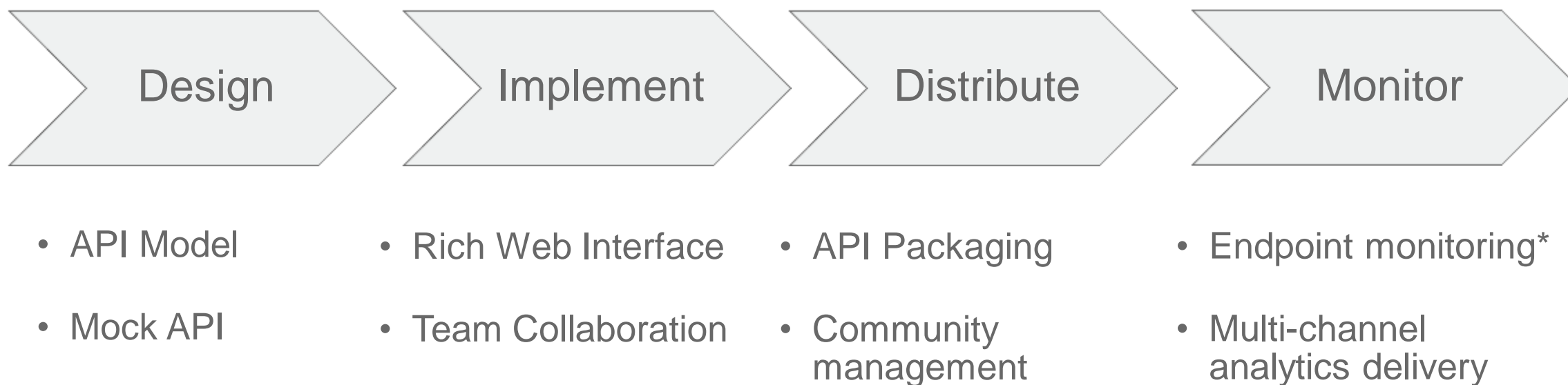


Agile API Life Cycle

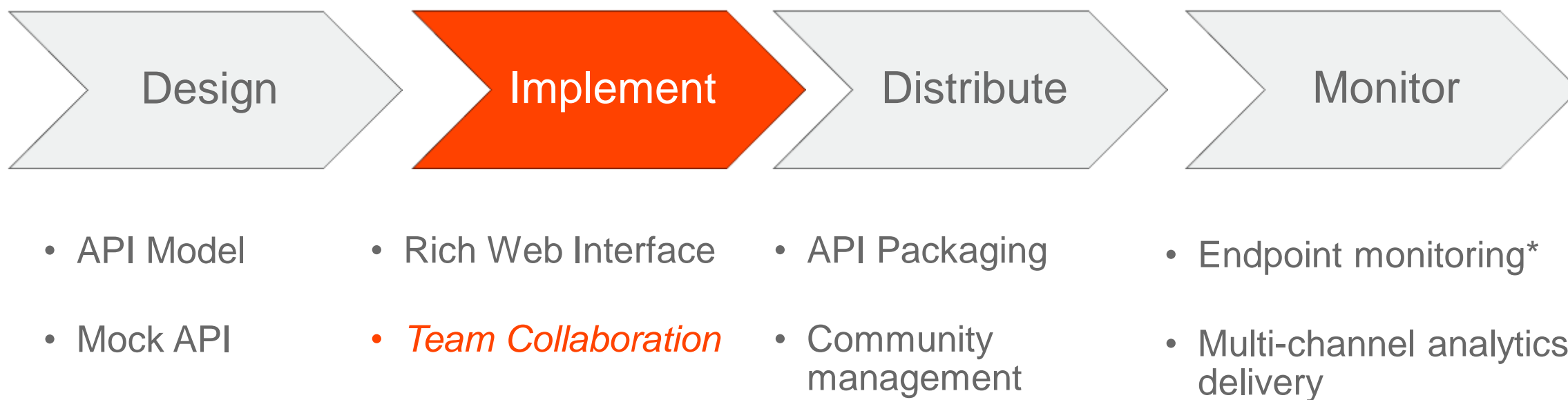
Delivered with enterprise reliability



Tools to make API development easier



Tools to make API development easier



Demo

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Recap



- ✓ Security Wide, deep and developer-focused
- ✓ Co-existence No Rip-and-Replace
- ✓ Flexible deployment Unlimited scale with choice
- ✓ Self-service Do-it-yourself with UI and API
- ✓ Agile lifecycle Enterprise reliability

Thank you

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