APIS AND SERVICES: To the last line of code

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CALL ME +45 89 88 25 29



TWIML

<Response>

<Say>

Hello Copenhagen.

Thanks for coming to hear me talk.

</Say>

</Response>

RUBY

require 'sinatra'

post '/voice' do content_type 'text/xml' "<Response> <Say> Hello Copenhagen. Thanks for coming to hear me talk. </Say> </Response>" end

HELPER

require 'twilio-ruby'

client = Twilio::REST::Client.new

ENV['SID'], ENV['TOKEN']

client.account.calls.create

:to => "+4589882529"

:from => "+442033221091"

:url => "<u>http://demo.wawra.co/voice"</u>



ISOLATION





INTEGRATION

Never Computer Alone





HOLIDAYS

XML

Create

Read

Update

Delete

META PROGRAMMING

C#, not Ruby





No quite #fail, but #couldbebetter

EDUCATIONAL



COURSE

ID Description Sub-modules Entry requirements Acceptance criteria Possible Qualifications Accreditation Number Certificate Type Credits Last Certification Expiry

FILE WATCHER

So many edge cases.







Just worked out how to fix a bug from 3 years ago, on a project that is finished, for a company I don't work for anymore. Oh well.

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2:43 PM - 23 Sep 2014



Reply to @xmjw



#couldbebetter

So, because of the system the system that manages all the data works, it's really complicated for us to make changes, but we have this mechanism that allows us to export all the files however, and we were thinking maybe we could use that to import all the data into the new CMS system you are using as it would mean we could spend more time on working on a load of other stuff we have and really it should be okay there aren't too many thousands of records - just a tens of thousands and that really will be okay I'm sure we can do this it is not be best way but I do not think this is the worst way and there are bound to be a few little issues and we may have to drip feed the system and we can't really think of a better way of doing because of all the reasons you stated above maybe we can do a trial and see how it goes and figure out if everything is going to be okay that would be nice but oh yeah there's this



AGILE





How the customer explained it



How the Project Leader understood it



How the Analyst designed it









What operations installed







How it was supported



How the Business Consultant described it



What the customer really needed

FRANCE TELECOM

They're now called Orange







3 WEEKS

31,500 Minutes



SMS, MMS, Voice, and SIP in the Cloud!



0.00001 WEEKS

5 Minutes



CODE IS FOR HUMANS

Compilers are for computers.

HOW?

How should we build APIs and Services

SOAP





SOAP

POST /InStock HTTP/1.1

Host: www.example.org

Content-Type: application/soap+xml; charset=utf-8

Content-Length: nnn

<?xml version="1.0"?>

<soap:Envelope

xmlns:soap="http://www.w3.org/2001/12/soap-envelope"

soap:encodingStyle="http://www.w3.org/2001/12/soap-encoding">

<soap:Body xmlns:m="http://www.example.org/stock">

<m:GetStockPrice>

<m:StockName>IBM</m:StockName>

</m:GetStockPrice>

</soap:Body>

</soap:Envelope>

HTTP

What more do you need?



HTTP://

facebook.com google.com twilio.com bit.ly
VERBS

POST /the-thing GET /the-thing PUT /the-thing DELETE /the-thing

REST

HTTP POST https://api.twilio.com/.../Messages

То

From

Body

CURL

Do things with a single request.

SMS

curl -X POST

https://api.twilio.com/2010-04-01/Accounts/ {AccountSid}/Messages

-d "To=+14159352345" \

-d "From=+14158141829" \

-d "Body=Hello world!" \

-d "MediaUrl=http://www.images.com/flower.png" \

-u '{AccountSid}:{AuthToken}'

EMAIL

curl

- -d 'to=destination@example.com'
- -d 'toname=Destination'
- -d 'subject=Example Subject'
- -d 'text=testingtextbody'
- -d 'from=info@domain.com'
- -d 'api_user=your_sendgrid_username'
- -d ;api_key=your_sendgrid_password'
- https://api.sendgrid.com/api/mail.send.json

HTTP

What more do you need?



HELPER

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A HELPER LIBRARY

- Your workflow
- Your capability
- Few lines of code



A GREAT HELPER LIBRARY

- Your security
- Hypermedia
- Thread safe
- Open Source

MULTI-LINGUAL

Assembly	Pearl
Fortran	VIM Scri
Cobol	JavaScri
С	ASP
C++	Visual Ba
Java	Delphi
C#	Scala
Python	Lua
Ruby	Ada
PHP	Pascal

ipt ript

Basic

Haskell Lisp Clojure Go Erlang OCaml Objective-C Smalltalk Bash Rust

LANGUAGE IDIOMATIC

Runs in C++, looks like C++. Runs in Java, looks like Java. Runs in Ruby, looks like Ruby. Runs in Cobol, looks like Cobol. Runs in Erlang, looks like Erlang. Runs in Python, looks like Python. Runs in Haskel, looks like Python. Runs in JavaScript, looks like JavaScript. Runs in JavaScript, looks like JavaScript. Runs in JavaScript, looks like JavaScript. Runs in JavaScript, looks like JavaScript.

YOU & YOURSELF

Plus many, many others.



co: END

Last line.

WORD OF WARNING



YOU ARE NOT OMNIPOTENT

If you are, what does the next slide say?



THANKS!

@XMJW

WAWRA@TWILIO.COM

