Cloud Based Telephony Applications

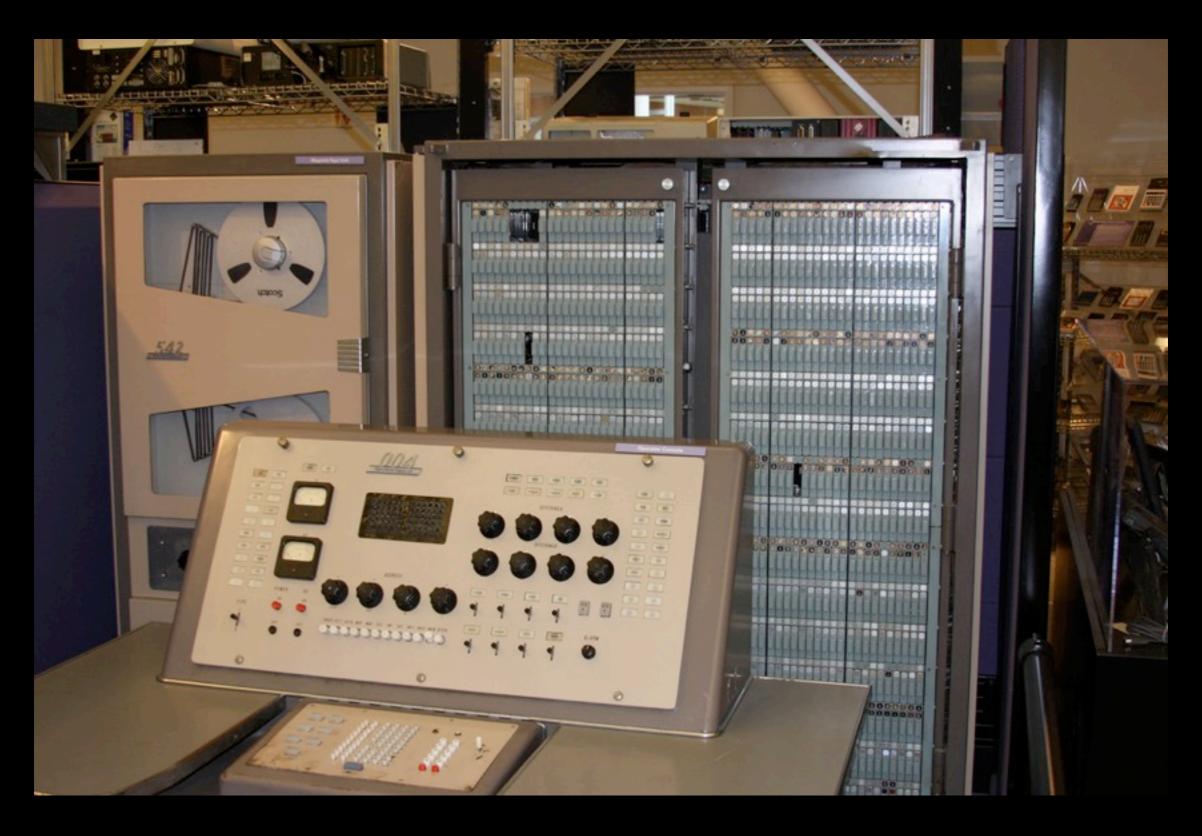
In an instant with Twilio and Heroku

Philly Lambda: April 18th 2011

But First!

Credit Card Activation

IVR Vendor



Really Good At:

Being Robust

Handling Lots of Simultaneous Calls

Reporting / Metrics

Did I mention Being Reliable?

Mon: Submit updated Flow

Tue: Not Ready Yet?

Wed: Ready? Great!

We test it...and want changes

Thu: Submit updated Flow

Fri: Not Ready Yet? Er, my week's over.

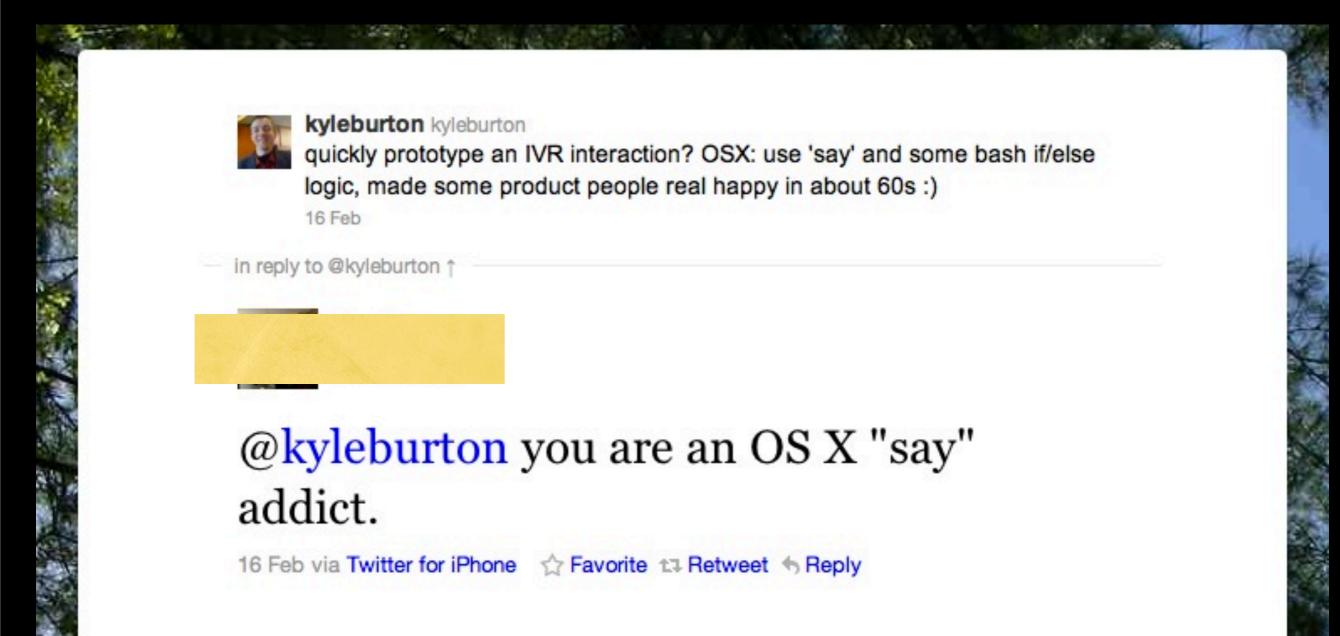
VENDOR



YUNOUPDATE FASTER!

I C C T

```
function voice_prompt () {
 echo " SPEAKING: $1"
 say -v "Vicki" "$1"
function get_user_keypress () {
 KEY=""
 echo -n "Press a Key: "
  read KEY
                I know: I'll use Bash!
 export KEY
echo "Pretending I'm an IVR..."
function say_top_menu () {
 voice_prompt "Press 1 to hear your current balance."
 voice_prompt "Press 2 to make a payment."
 voice_prompt "Press star to hear this menu again."
 voice_prompt "Press 0 to disconnect."
```





I 6 6 #6

The Services l'm About To Discuss Didn't Exist

5 Vears Ago

Twilo

Cloud Based Telephony

Internet Based API

I couldn't find a reference for when Twilio was founded. (domain registered since 2007)

"In <u>telecommunication</u>, telephony encompasses the general use of equipment to provide voice communication over distances, specifically by connecting <u>telephones</u> to each other"

- Wikipedia

Twilo

- Receive Calls
- Initiate Calls
- Conference and Forward
- SMS Send / Receive

Simple HTTP Interface + some Simple XML

Heroku

Founded in 2007

PaaS

Ruby on Rails

Tons of Add Ons

Awesome: Check

What Do They Have In Common?

You can try them...





IVR

Activate Your Credit Card

Collect Info Ahead of Customer

Service

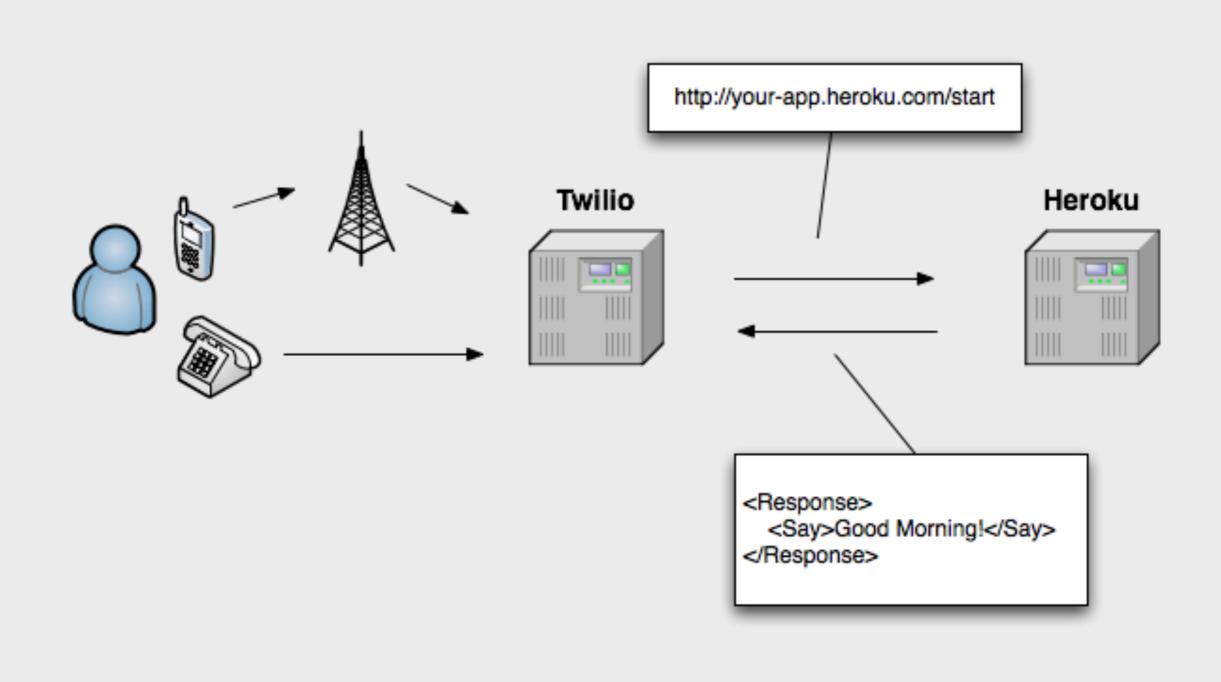
Banking by Phone

Snow Day Hotline / Robo Caller RSVP Service

Reminder Service

Two Factor Authentication






```
<Response>
<Say>Hello Monkey</Say>
</Response>
```

Life Cycle

User Calls

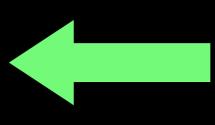




Press I



"Click"

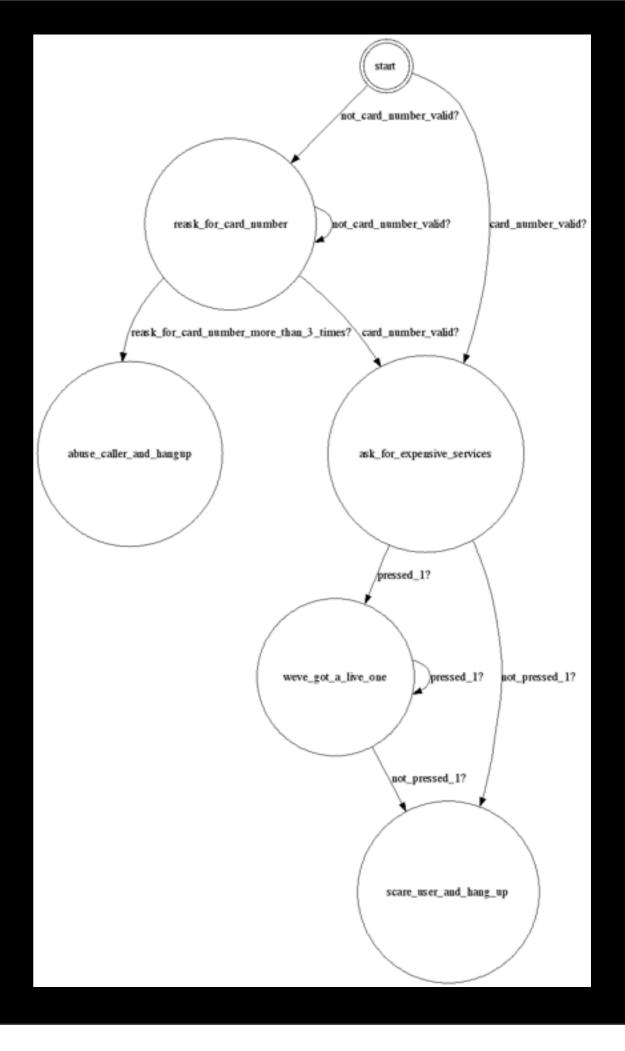


<Say>Bye</Say>

<Hangup/>

I modeled the IVR as a state machine.

See also: Newflow



Show Some Code and The App



kyleburton kyleburton

this is for you [ivr]: https://gist.github.com/833002 (does this redeem my geek cred from the bash/say script?:)

17 Feb

in reply to @kyleburton 1



@kyleburton oooooo much prettier! You have purged yourself of TeH sh fuglies

17 Feb via Twitter for iPhone 🏠 Favorite 🖈 Retweet 🦘 Reply



Call, or Text:

(610) 915-8524

Go to: http://warm-wind-609.heroku.com/

Thank You

@kyleburton

github.com/kyleburton/twilio-in-ten-minutes

twilio.com

heroku.com

see image-credits.textile for Image Credits