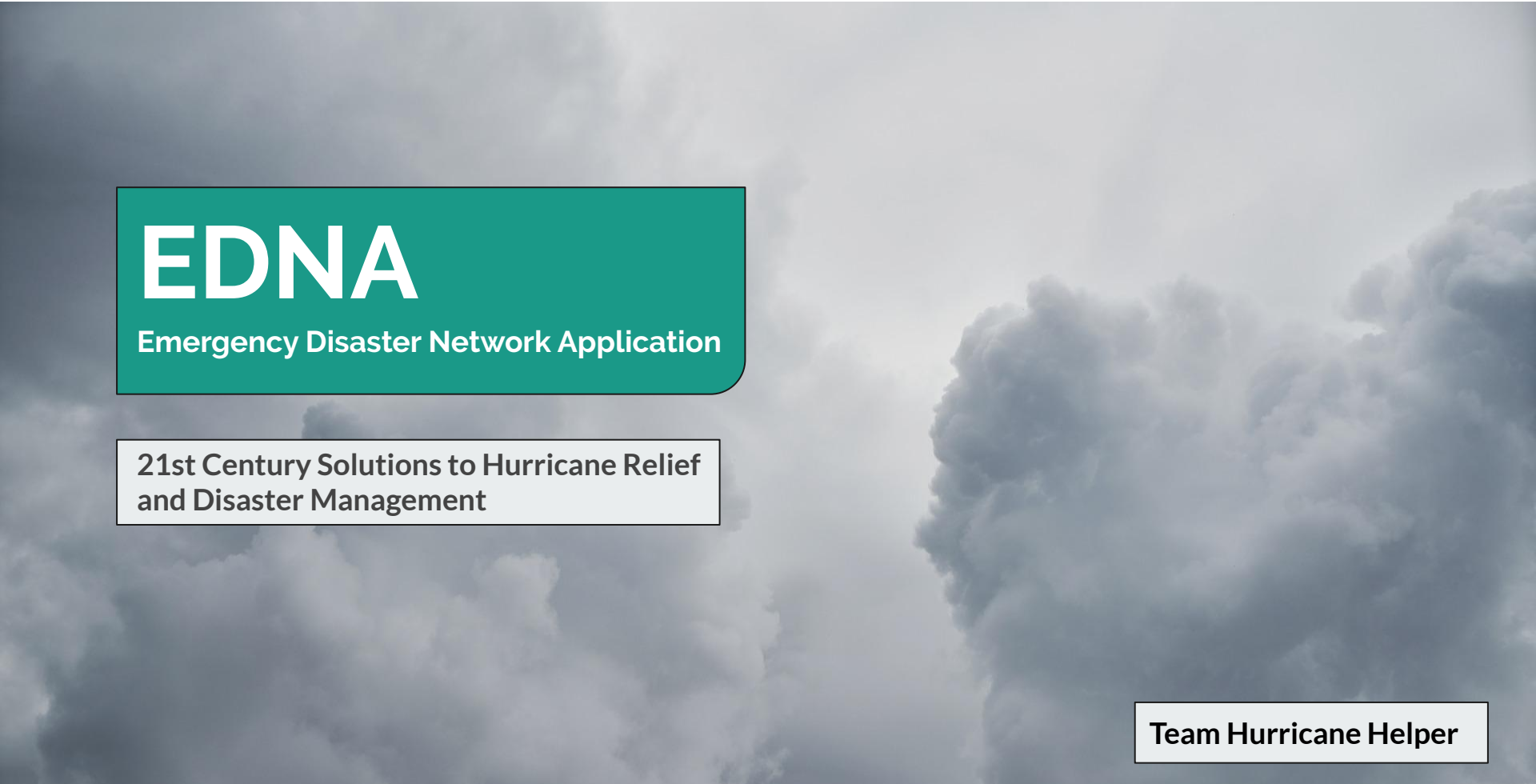

EDNA

Emergency Disaster Network Application

21st Century Solutions to Hurricane Relief and Disaster Management

Team Hurricane Helper

TOC

Overview
Problems to solve
Features
Scenario
Call Demo
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Cost Analysis
Website
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Vision

During an Emergency Event...

1. Emergency numbers receive more calls than usual
2. Average cost for non-commercial call center is $0.50/min
3. City can't realistically do anything with data collected
4. The average wait time to talk to a responder is longer

Overview

EDNA is an online platform that streamlines disaster management by using a national volunteer network in a cloud call center.

Solutions solved by EDNA

- Active S.O.S. and Storm Alert monitoring for registered users
- Global Distributed Network of Volunteer Responders
- Accessible to all regardless of socio-economic status or tech savvy
- Non-emergency virtual assistance to all callers
- Data collection related to use of disaster relief
- New instance for a city installs instantly at zero cost

Meet Grandma Edna

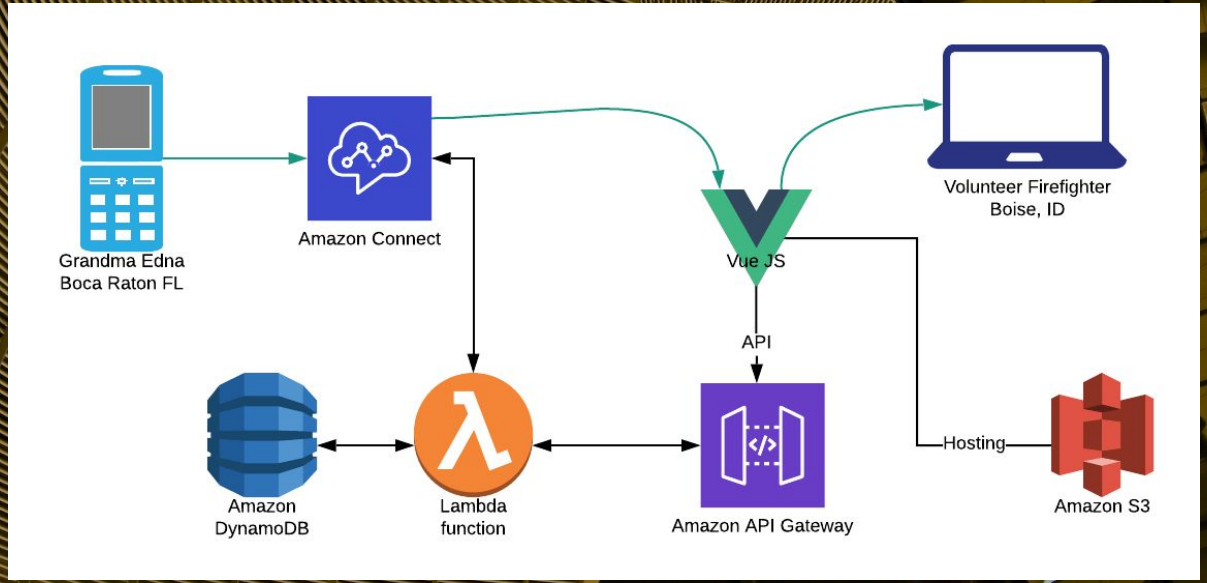
-Registered for S.O.S. and Alert system

-Only has a landline phone

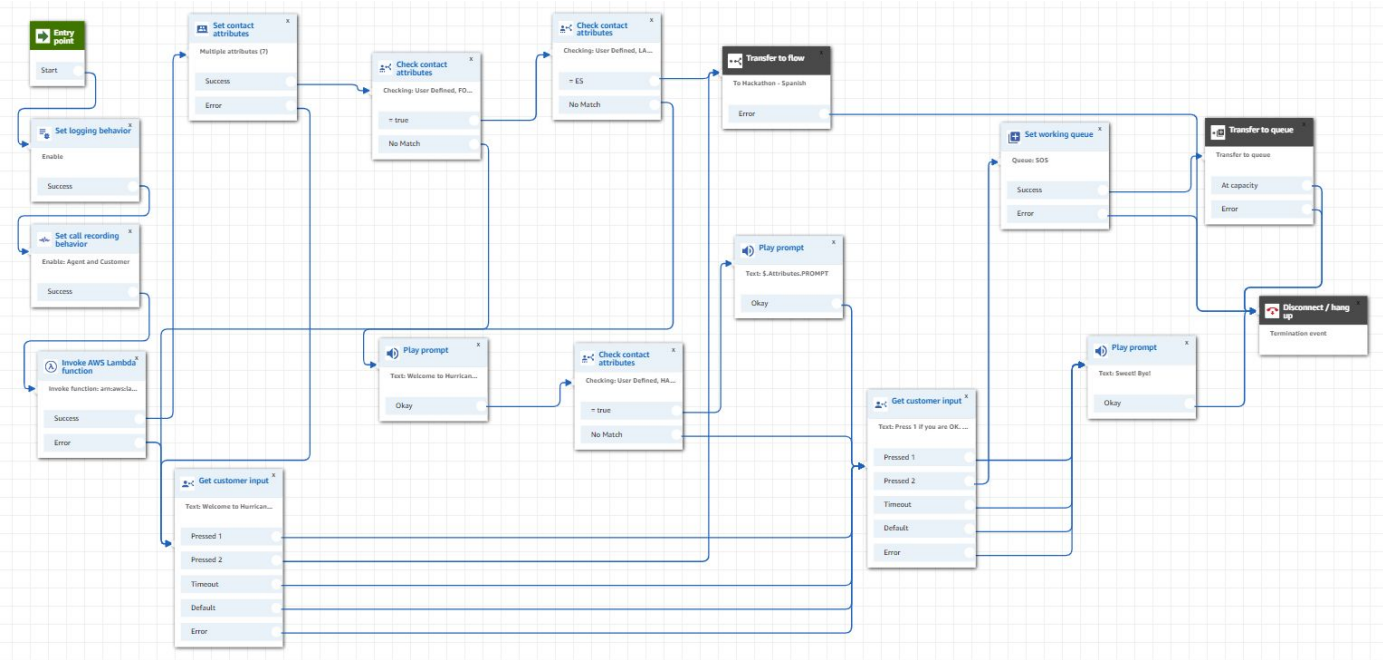
-During hurricane tree fell on backyard fence

-After hurricane, Edna dials 3 on speed dial

Call Demo


Grandma Edna
Boca Raton FL
Amazon Connect
Vue JS
Volunteer Firefighter
Boise, ID
API
Amazon
DynamoDB
Lambda
function
Amazon API Gateway
Hosting
Amazon S3

Cloud Call Flow Description



Cost Effectiveness

EDNA Call Cost:

$0.0022 per minute

150 volunteers

4 hours a day for 2 weeks

940 GB of recording

$**1,121** TOTAL

Non-Commercial* Call Cost:

$0.50 per minute[1]

With same parameters
Without contractual agreements

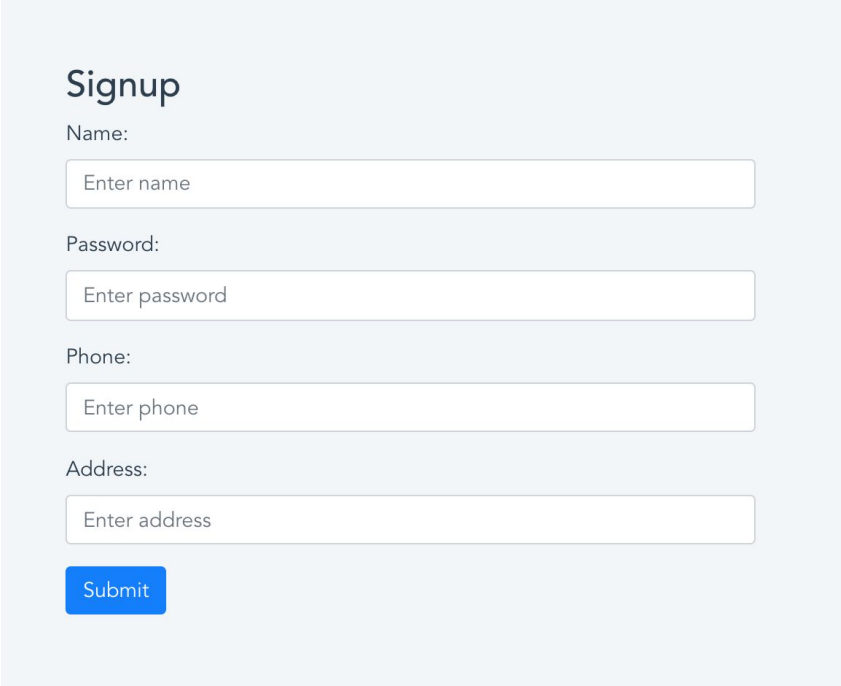
$**252,000** TOTAL

Volunteer and User Registration

EDNA Website

Data Collected includes Name, Phone #, Email, Address, Medical conditions

Volunteer Implications:
Volunteers can apply from anywhere across the globe to volunteer their time from the comfort of their home



Scalability

- Local Scope of Hurricane Relief in South Florida
- Product/Service can be taken globally
- Fast, cheap, automated disaster management

Thank you.

Judge Q&A

https://d24ievhur353et.cloudfront.net/