NIH Commons Vendor Day

August 31, 2017

Accelerating Big Data in the Cloud Adoption Securely

www.reancloud.com

USA Denver / Herndon / Philadelphia / Los Angeles
India Hyderabad / Pune / Udaipur

Organization Profile

Established: **2013**

Presence: **USA, India**

Number of Employees: **300+**

AWS Certifications: **150+**

(*Including 20+ Professional Certifications*)

Industry Focus:

Education   Healthcare / Life Sciences   Financial Services   Government / Public Sector   ISV

Management team consisting of executives formerly from Fortune 500 Enterprises (AWS, Amdocs, BMC, Merck, HP etc.) and with a deep AWS Cloud Computing experience.

Recognized by TechTarget as the top AWS Partner providing innovative DevSecOps services.

24x7 follow the sun model with offices around the world and continuous operations in multiple time zones - EST, PST and IST.

Customers by Vertical

AWS Accreditations

Empowering Clients to be Self-Sufficient

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Example<title>
5           <link rel="stylesheet" href="sty
6       </head>
7       <body>
8           <h1>
9               <a href="/">Header</a>
10          </h1>
11          <nav>
12              <a href="one/">One</a>
13              <a href="two/">Two</a>
14              <a href="three/">Three</a>
15          </nav>
```
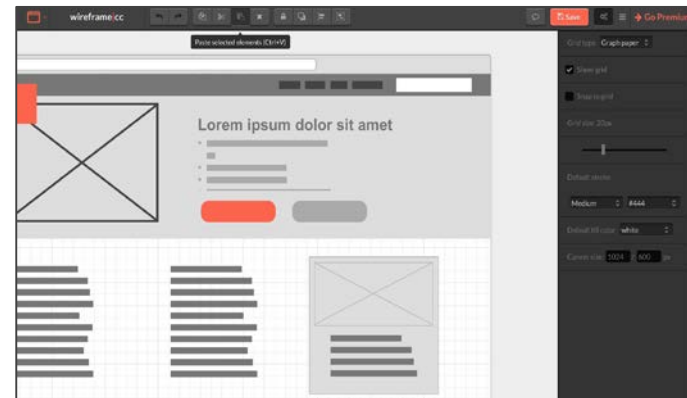
❏ Drag & Drop HTML Elements
❏ Out Of The Box Templates

```
"Resources" : {
    "SecurityGroup" : {},
    "WebServerGroup" : {
        "Type" : "AWS::AutoScaling::AutoScalingGroup",
        "Properties" : {
            "MinSize" : "1",
            "MaxSize" : "3",
            "LoadBalancerNames" : [ { "Ref" :
"LoadBalancer" } ],
            ...
        }
    },
    "LoadBalancer" : {},
    "CacheCluster" : {},
    "Alarm" : {}
},
```

❏ Drag & Drop AWS Resources
❏ Out Of The Box Blueprints

Quick Start Offering: American Heart Association

Case Study: American Heart Association

Scientific data sets highly regulated and locked inside different institutes

AHA estimates 50% of grant $$$ spent on data and technology preparation

WHAT REALLY IMPACTS THE HEART

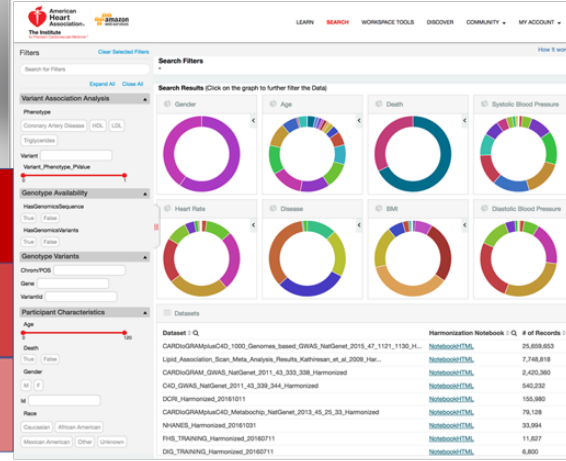Cardiovascular diseases are the number **1** cause of DEATH IN THE WORLD.

EVERY 2 SECONDS someone around the world dies from **Cardiovascular disease.**

OVER 75% of **Cardiovascular disease** deaths take place in LOW-AND MIDDLE-INCOME COUNTRIES.

The global cost of **Cardiovascular disease** is approximately **$900 BILLION** and will exceed **$1 TRILLION BY 2035.**

Create central location for research data sets and make them searchable.
Provide data access control workflow to meet privacy requirements.

Researchers able to request data and begin analysis in 1 day rather than 1 or more months

All research grant funds available for value added activities

Develop workspaces with state of the art, open source machine learning, statistical, bioinformatics and genomics tools

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Case Study: American Heart Association

"Security and Science"

Dr. Jennifer Hall, Chief of the Institute for Precision Cardiovascular Medicine

Worked hand-in-hand with AWS ProServ to use latest services

Audited "HIPAA Ready" environment

Sponsored by NIH (NHLBI) for FedRAMP Certification

Scalable, automated environment

Managed billing and invoicing for platform participants

Developed, monitored & maintained by REAN Cloud

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Differentiation – American Heart Association Precision Medicine Platform (AHA-PMP)

AHA-PMP Difference

1. More efficient use of credits with pre-configured research environment:
   a. High performance, configurable cluster built and ready for immediate use
   b. Most popular research / genomic / data science tools already installed and tested
   c. Environment supports sharing and collaboration with other team members
   d. Industry-leading Security "built in"
   e. Monitoring and management of AWS infrastructure included
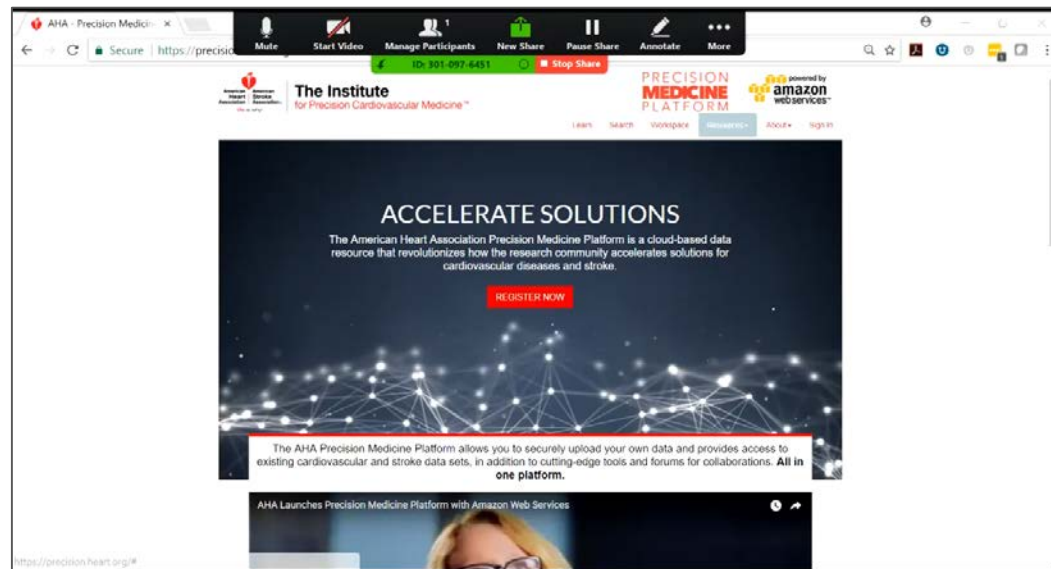2. Self-service console to manage credits

AHA-PMP Benefits

1. No delays in setup - immediately start performing research

2. Expedited, secure processes for acquiring, sharing and managing data

3. Self-service contracting and billing

4. Built on AWS and approved for NIH Common Credits

Demo Video – AHA-PMP Overview

PRECISION
MEDICINE
PLATFORM

https://youtu.be/M8fckUPjd-c

To use your credits on the AHA-PMP
contact: pmp_admin@precision.heart.org

Signup today for the AHA-PMP at: **https://precision.heart.org/**

Thank You

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