### **MICHIGAN STATE** UNIVERSITY **Beta Presentation Identity Based Communication and Content Services** The Capstone Experience **Team MaxCogito**

Bryan Hitchcock Andrew Kim Harrison Samoy Conor Sands Tengjiao Wang

Department of Computer Science and Engineering Michigan State University Spring 2020

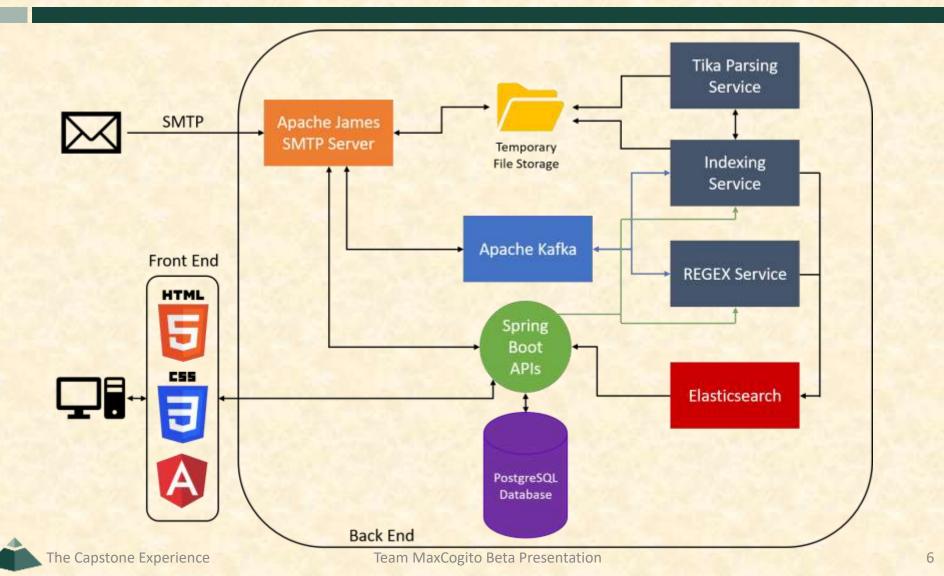


From Students... ...to Professionals

#### **Project Overview**

- Give companies insight into the messages passing through their servers.
- Analyze and process emails
  - Allow companies to create custom policies
  - Tag messages that do not comply with firm policies
  - Highlight data that does not comply
- Maintain compliance with regulations
  - Privacy: GDPR, CCPA
  - Financial: SEC, ESMA

## System Architecture



## **Regex Management**

			Bryan Hitchcock (Compliance)		
Press Pr	in .				
The second			Regex Management		
			Regex Groups		
			Para Matters		
			Create Mill Delas		
. The					
	hem.		tear (	(at spare)	Engeneral bake
	Phone isolated	Proba involution	Seat 254005400054 ballos ballo	Apr 8.3825.73816.04	Apr 5.2020 7.2816 PM
				Tant of parts	ner 1
Trees at					
			Regexes		
			Down		
The					
1 · · · · ·		1104	Yolan ;	Last System	Deaths See
10 408 Pro	or subdet	PHONE MARRIER	Overal Strategy and the Petrice Petrice	Apr 3, 2010, 7 29, 16 PM	APP 5, 2005; F3816, PM
C 40 0r	rpany Decover cent	KOMMMA DISCORES CHIEF	##12.177.179.179.12.12.1	Apr 3, 2020, 7131 43 PM	Apt 5, 2020, 1121-43 PM
				- march (see )	NOT SELECTION OF A DESCRIPTION

# **Policy Management**

a second										
						Biyar	Hitchcock (Cor	nplance)		
	linger		Palacy							
							Policy Manag	ement		
							Policy Dom	sins		
							managhteet	3		
							Creek Edit	Delete		
	2002					1-1				
			2.844	1941	1.0.0		( manage)	from Design of	- Stand Agended	Doumin Dam
		494	Conjung medi santa	Teges	Spinisteration		- 200	402	Apr 5, 2020, 7 32 29 PM	Apr 1, 2020, 7 2225 PM
		441	(mail/ndos	TYPE	Table .		422		Apr 5. 2020, 7 28 58 PM	Aur 6 2020, 128 59 PM
	0	-	Phote turbers	Report	Speakerstee		412	407	Apr. 5. 2000, 7 29 76 PM	Apr 1, 2020, 7 25 70 PM
									0444	auto de l'Asser de l'Asser de la
	Therees									
	Policies									
							Create			
							100 COM			
	-								4.427 (generated)	
			. Notes	144	Action 1	and the second	Color jul	And the second s	. And approve	domain doma
	D	-	Sector Value	tan Inter	lichan Trabas	. and the	427	Angen Daniel V	Apr 8, 2020, 7, 28 58 PM	April 2001, Taxilli Per
	0					) ( anteniam		1427		

# Search

				Bryan Hitchcock	(Compliance)		Logout
liearch.	Regna	Policy		See and the second second second	ener (organistical)		400100
		Dissuit e start date 4/1/2020		8	Churste al stat data 4/7/2020	2	
		To List			ti value cogito net		
		And a state of the		5			
				Add Selection Field	d Search		
	Filter			Add Search Field	d Search		
1	Filter	To Addr	Subject	And Search Free	Attachment Names	Regte	
		Th Addr steve@maxcogito.net	Sidgent You're Welcome				
	Sendar			Sent Date			

# **Email View**

Bryan Hitchcock (Compliance)
Nya Yuka
Thanks
From stewgimascopto ret
To: jamesijmaacogito.net
H Jarres
Thanks for your held. We have seen themendous efficiency pains because of the work you and your team have done. We look forward to earling with you in the lottere
Beat togards. Brane Abara
Marchages Marchages IPHONE subMEER
Attachments
Bowflex Order Receipt.pdf Twoke You're vour okder FROM BOWFLEX Onder Laestman Cellux (PHONE MUMBER) 2477 Securit Onder # 2000103H Inter: Bowflex Production Nume Syn OwerED; 1 Prov. 2289/30
NAMEN' METHOD Steen Alies University Codd Card Pastment - COMPANY DISCORER CARD 1234 Main (In 1234 Main
Attachtreetie Stevilier Reception
House a procession of the constants.

### What's left to do?

- Update documentation
- Fix a couple bugs with James server & mailet
- Fix REGEX to ignore surrounding characters
- Automatically refresh auth token for services (e.g., James, Kafka)
- Consolidate front end (styling, logic, etc.)
- Video

### **Questions?**

