MICHIGAN STATE UNIVERSITY Alpha Presentation Secure Application Layer API Proxy

The Capstone Experience

Team Symantec

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Fall 2017

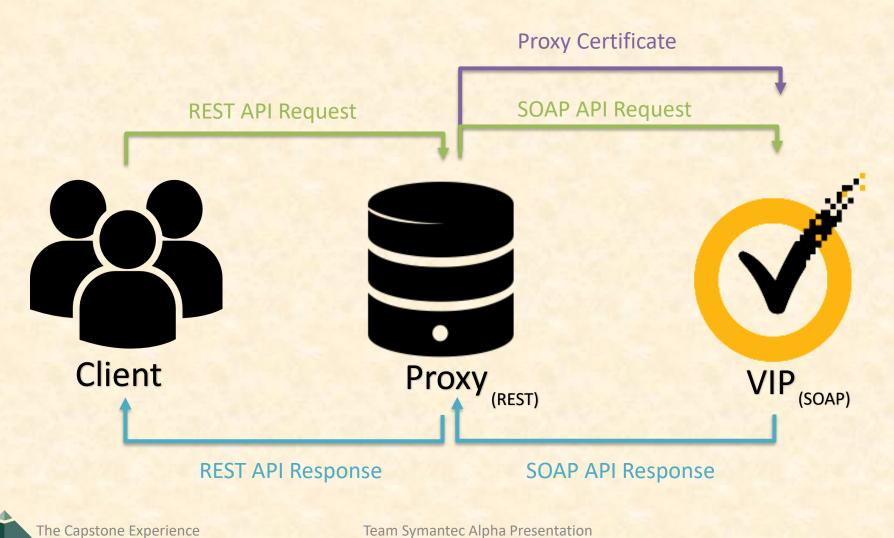


From Students... ...to Professionals

Project Overview

- Translation
 - Translate requests from REST to SOAP
 - Translate responses from SOAP to REST
- Authentication
 - Signed JSON Web Tokens
 - VIP Certificates
- Testing

System Architecture



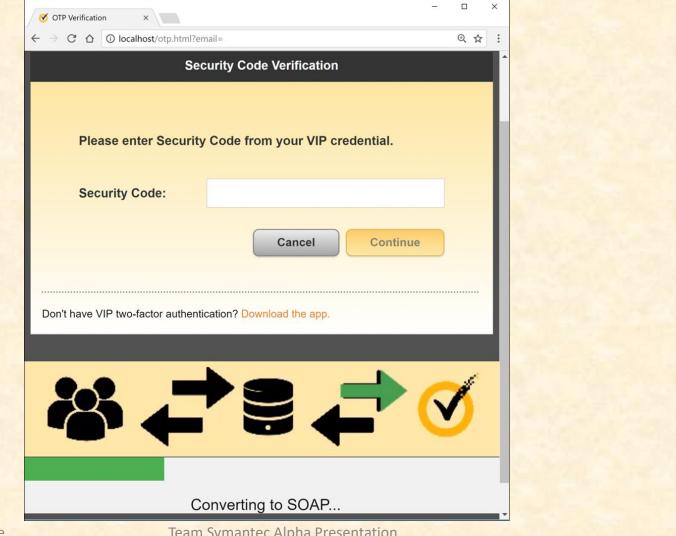
Login Screen

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	Sign In		
Username:	teamsymantec		
Password:	•••••		
Forgot your password?			
	Enabled by: Symantec. Validation & ID Protection		
	ID Protection		
See Help for assistance.			
If you don't have your sign-in inform	nation, contact your administrator.		

Entering One-Time Password (OTP)

$ \begin{array}{c c} \hline & & \\ \hline \\ \hline$				
Security Code Verification		No SIM ♥ 15:52 % ■● + Ξ VIP Access		
	Code from your VIP credential.	CREDENTIAL ID SYMC 8187 4897 SECURITY CODE 645943		
Security Code:	645943 Cancel Continue	10		
Don't have VIP two-factor authentication? Download the app.		Symantec. VIP +		

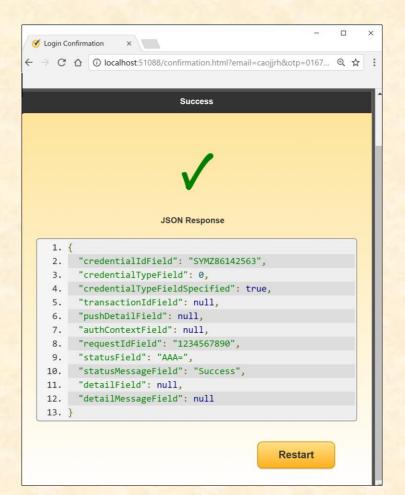
Translation Process



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Final JSON Body



What's left to do?

- Endpoint translation
 - Finish developing endpoints
 - Document endpoints
- Client side authentication
- Testing
 - Automated integration tests
 - Automated performance testing
 - Unit testing

Questions?

