

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation

AppDynamics Platform Configuration Tool

The Capstone Experience

Team Evolution

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*From Students...
...to Professionals*

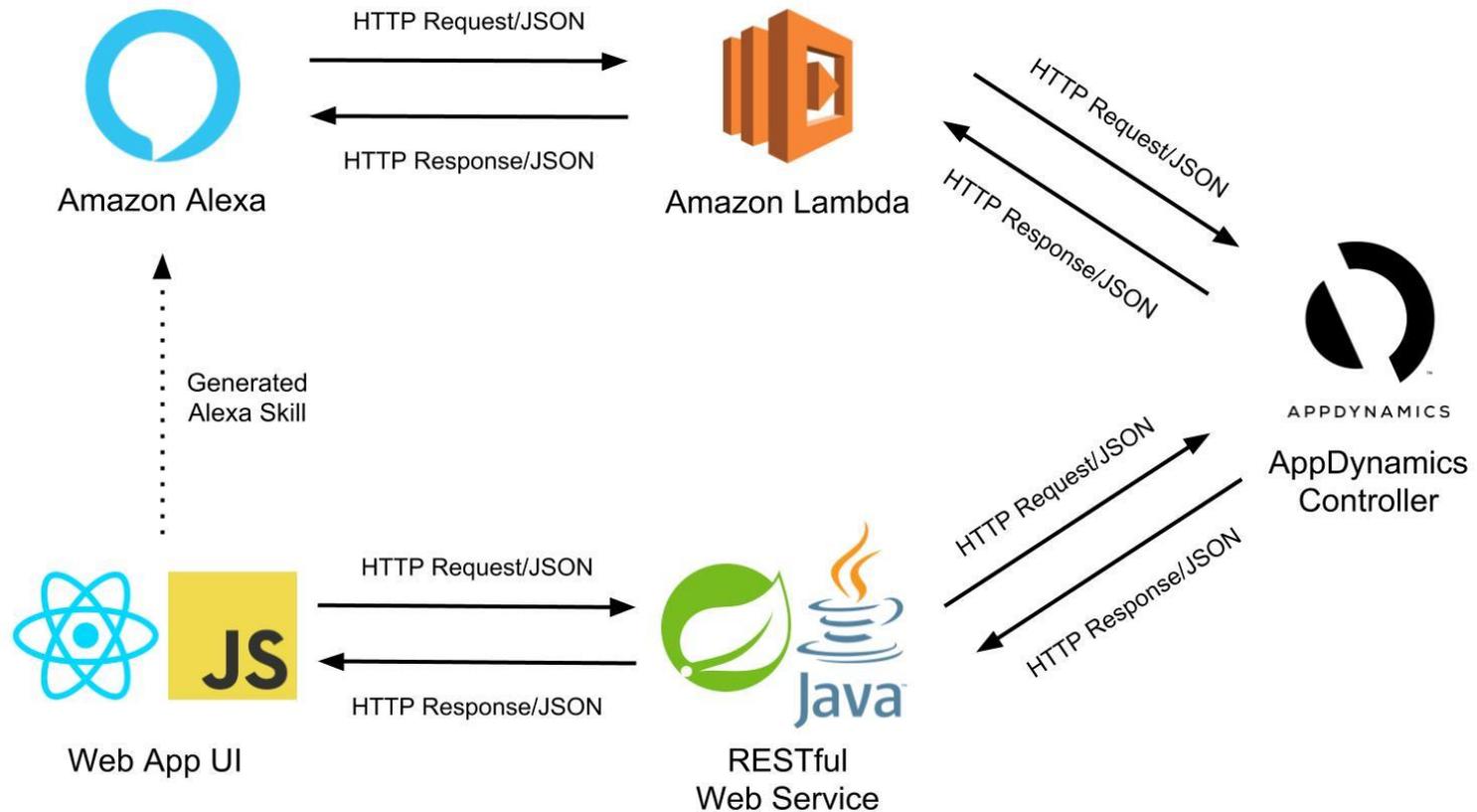
Department of Computer Science and Engineering
Michigan State University
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Project Overview

- Empower Evolutio's Consultants and Clients to Utilize Cisco AppDynamics
- Easily Configure, Deploy and Manage Applications
- Retrieve and Report Basic Application Metrics Via Amazon's Alexa



System Architecture



Controller Connections

The screenshot shows a web browser window with the URL `localhost:3000/Settings`. The page title is "AppDynamics Configuration Tool" and the current view is "Controller Connections". The "evolutio" logo is in the top right corner.

Form to Add Controller:

- Controller:
- Account:
- Username:
- Password:
-

Existing Controllers:

Controllers:	
http://96.27.67.159:8090/controller/	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
http://96.27.67.159:8191/controller/	<input type="button" value="Edit"/> <input type="button" value="Delete"/>



Alexa Skill

React App

localhost:3000/Alexa

AppDynamics Configuration Tool

Alexa Skill

evolutio

Select Controller

http://96.27.67.159:8090/controller/

Select Source Application

Big Deal Retail 1

Email

bthaase8@gmail.com

Download

Necessary Precursors:

- Created an Amazon Developer Account
- Created an Amazon AWS Account

Downloading the Skill:

- Open your Evolutio AppDynamics Platform Configuration Tool
- Input the specific AppDynamics Controller you would like to generate a skill for
 - Open the Alexa Configuration Tab
 - Select that same controller
- Enter the name of the Application you would like Alexa to collect metrics for
 - Note: You can change the application within the skill
- Enter the specific email you will be using in this skill
- Press the Generate Button as seen below

Modifying Folders:

- Once we have the skill downloaded, we are going to want to extract the zip into a separate folder
- Now if we open that folder, we will see the three files (node_modules.zip, AlexaBackend.zip, AlexaFrontend.json)



Monitor Dashboards

The screenshot shows a web browser window with the URL `localhost:3000/Groupings`. The page title is "AppDynamics Configuration Tool" and the current view is "Monitor Dashboards". The "ēVolutiō" logo is visible in the top right corner. The main content area is titled "Groupings:" and contains a form for creating a new group. The form includes a "Group Name" input field with the value "Spartan Retail", a "Select Source Controller" dropdown menu with "None selected", and a "Select Target Controller" dropdown menu with "None selected". To the right of the form, there is a "Groupings:" section with a "Big Deal Retail" button, an "Edit" button, and a "Delete" button.



Deploy Dashboards

The screenshot shows the 'AppDynamics Configuration Tool' interface for 'Deploy Dashboards'. The browser address bar shows 'localhost:3000/Dashboards'. The page has a blue header with the 'AppDynamics Configuration Tool' logo on the left, 'Deploy Dashboards' in the center, and the 'eVolutio' logo on the right. The main content area includes a file selection button labeled 'Choose File' with the text 'No file chosen'. Below this are two dropdown menus: 'Select Controller' with the value 'http://96.27.67.159:8090/controller/' and 'Select Target Application' with the value 'Big Deal Retail 1'. There are three blue buttons: 'Start Deployment Configuration', 'Reset Configuration', and 'Confirm Changes'. A 'Rename Dashboard (Optional)' section contains a text input field with the value 'BDR Overview_1'. At the bottom, there are three summary boxes: 'Tier Changes: No changes need to be made.', 'Node Changes: Node1 -> Node3', and 'Business Transaction Changes: /http/to2nd -> None selected'.



What's left to do?

- Enhancing Notification System
- Update UI/UX



Questions?

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