

**MICHIGAN STATE**  

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**UNIVERSITY**

# Alpha Presentation

## Electronic Data Interchange (EDI) Monitoring

### The Capstone Experience

Team Stryker

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

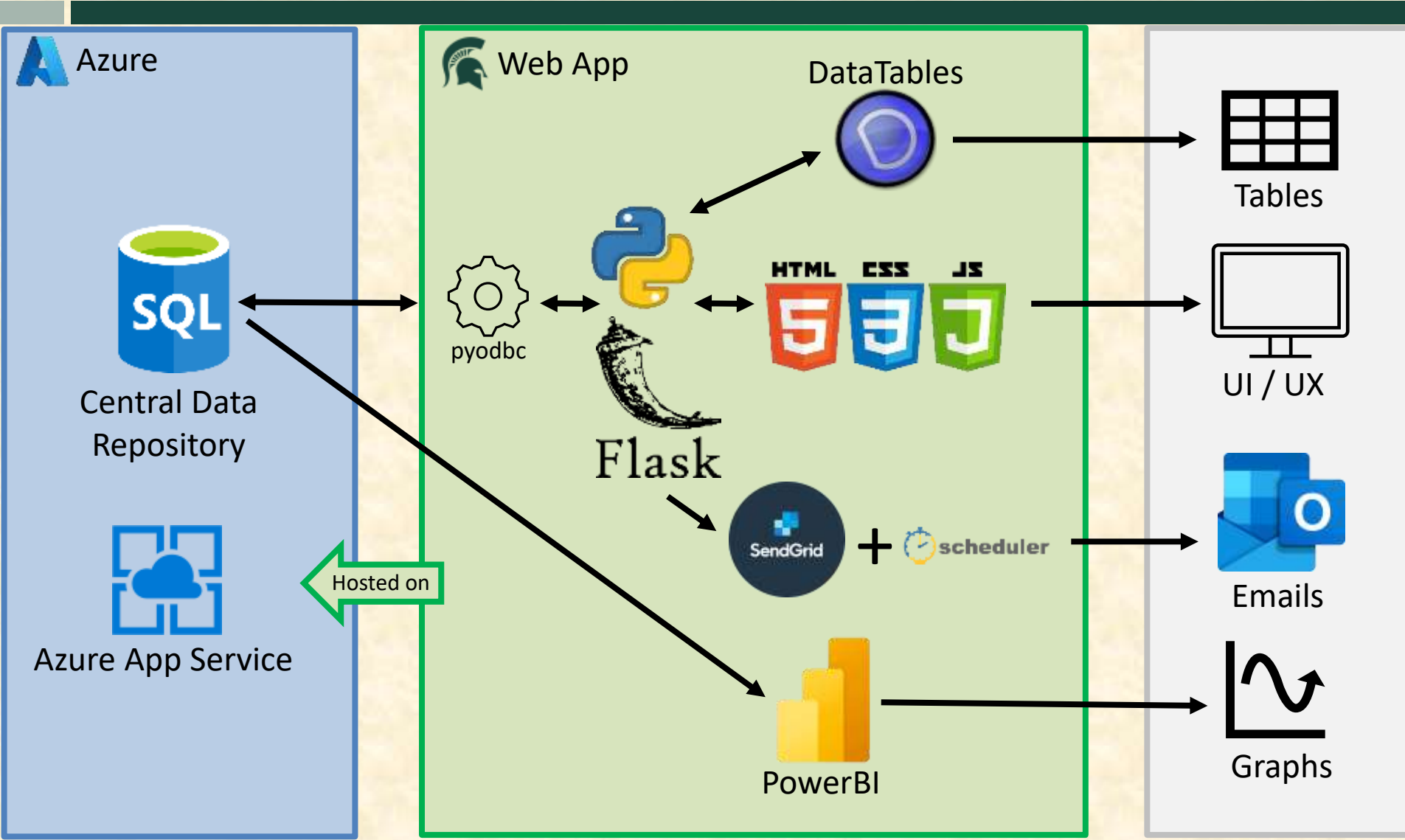
# Project Overview

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- Unify Dashboard Display of Data Across Various Middleware Solutions
- Implement Analytical Features for Close Scrutiny of Transactional Metrics
- Enable Scheduled and Customizable Reporting
- **→ To Assist Stryker's Integration Services Team as Transactional Data Grows**



# System Architecture



# Search Page

**Search Page**

Message Type:  Start Date:  Sender:

Purchase Order:  End Date:  Receiver:

Event Type	Component Name	GUID	Flow ID	Tech Stack	Date Time	Sender Identifier	Receiver Identifier	Purchase Order Number	Se
AdvanceShippingNoticeEvent	MFGPROSGCM_MFGO2CAznSource	2d343731353738353836383630373535	1002824	OSS B2B	Fri, 15 Sep 2023 05:51:04 GMT	SYKTRS	SYKRHQ	4200081178	
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	2d297514004265232404820148407806	4457846	OSS B2B	Fri, 15 Sep 2023 05:51:05 GMT	SYKTRS	SYKRHQ	4200081178	
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	454d58e15608423a93254b1952ab6abc	8687618	OSS B2B	Fri, 17 Dec 2021 23:56:58 GMT	SYKEREHX	SYKCD01	86102024	
AdvanceShippingNoticeEvent	Second Component	05428721974849be1f09d99c7254a7	6603699	OSS B2B	Sat, 10 Sep 2022 23:56:58 GMT	SYKEREHX	SYKEREHX	56506462	
AdvanceShippingNoticeEvent	Third Component	154a19653c284075886e6b8aaa2c1d44	2676150	Mulesoft	Sun, 26 Feb 2023 23:56:58 GMT	SYKTRS	SYKCD01	50348332	
AdvanceShippingNoticeEvent	First Component	9e7fe03b5a5941c1991aa517c162ec8c	4353140	Mulesoft	Tue, 06 Apr 2021 23:56:58 GMT	SYKCD01	SYKEREHX	50928750	
AdvanceShippingNoticeEvent	First Component	5543c99c4a64b888b87980dc9920e5d	3240592	Mulesoft	Thu, 30 Mar 2023 23:56:58 GMT	SYKEREHX	SYKEN2	42005826	
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	4d4f2c64642245788ede3a44a8b02752	9946257	Mulesoft	Tue, 22 Nov 2022 23:56:58 GMT	SYKTRS	SYKEREHX	81543666	
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	5df1b5f9584b47ef9344c554524f7a63	4005281	OSS B2B	Sat, 13 Feb 2021 23:56:58 GMT	SYKEREHX	SYKEREHX	41734873	
AdvanceShippingNoticeEvent	SapEccO2CPoChgSource	d09a7193a681028428888b6611f868	1927073	OSS B2B	Fri, 30 Apr 2021 23:56:58 GMT	SYKCD01	SYKEN2	17374196	

Show  entries

Showing 1 to 10 of 1,000 entries

Previous       Next



# Search Page – Multi-Level Filter

**Search Page**

Message Type: PurchaseOrderEvent Start Date: 10/01/2023 Sender: SYKCO01

Purchase Order: End Date: 10/31/2023 Receiver: SYKEREHX

GUID contains 2d Remove Filter

Filter ID is 1002824 Remove Filter

Status is is Remove Filter

Tech Stack contains OSS Remove Filter

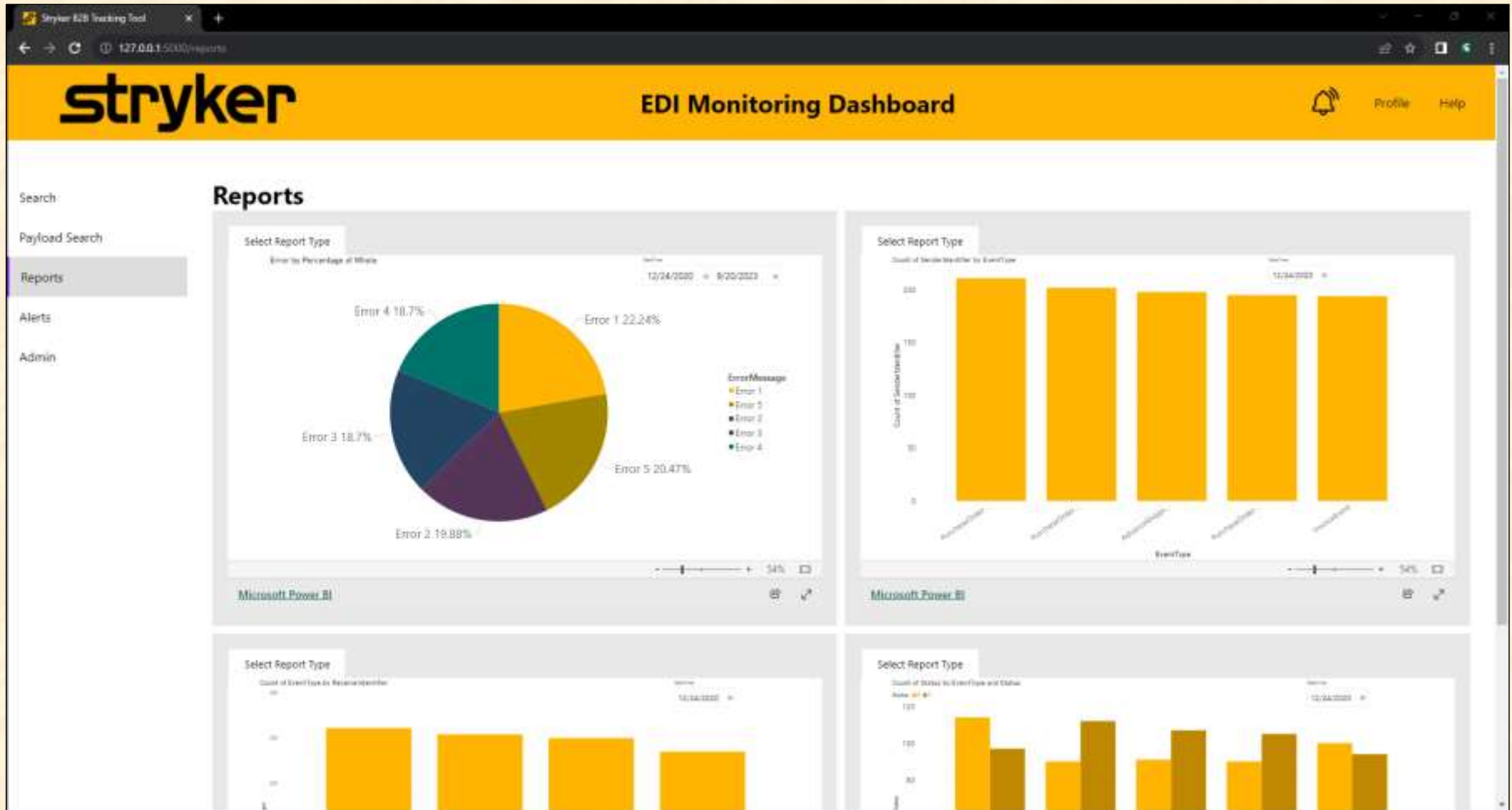
AND Apply Filters

CSV Excel

Event Type	Component Name	GUID	Flow ID	Tech Stack	Date Time	Sender Identifier	Receiver Identifier	Purchase Order Number
AdvanceShippingNoticeEvent	MFGPROSGCM_MFGO2CAmSource	2d343731353738353836383630373535	1002824	OSS B2B	Fri, 15 Sep 2023 05:51:04 GMT	SYKTRS	SYKRHQ	4200081178
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	2d297514004265232404820148407806	4457846	OSS B2B	Fri, 15 Sep 2023 05:51:05 GMT	SYKTRS	SYKRHQ	4200081178
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	454d58e95608423a95254bf062eb6ebc	8687618	OSS B2B	Fri, 17 Dec 2021 23:56:58 GMT	SYKEREHX	SYKCO01	86102024
AdvanceShippingNoticeEvent	Second Component	05f42f8721974846e11fd9d95c7234a7	8603699	OSS B2B	Sat, 10 Sep 2022 23:56:58 GMT	SYKEREHX	SYKEREHX	56306462
AdvanceShippingNoticeEvent	Third Component	f54a19653c284d75866e6b8eaa2c1d44	2676150	Mulesoft	Sun, 26 Feb 2023 23:56:58 GMT	SYKTRS	SYKCO01	50348332
AdvanceShippingNoticeEvent	First Component	9e7fe0365e941c1991ae517c163ec8c	4353140	Mulesoft	Tue, 06 Apr 2021 23:56:58 GMT	SYKCO01	SYKEREHX	50928750
AdvanceShippingNoticeEvent	First Component	5543c9Bcae64bf08b87980dc3920c5d	3240592	Mulesoft	Thu, 30 Mar 2023 23:56:58 GMT	SYKEREHX	SYKEN2	42005826
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	4d472c546423467884e3a44a6b02752	9946257	Mulesoft	Tue, 22 Nov 2022 23:56:58 GMT	SYKTRS	SYKEREHX	81543666
AdvanceShippingNoticeEvent	CanadaO2CPoTarget	5d91e5f358ab47ef9244c5545247ae3	4005281	OSS B2B	Sat, 13 Feb 2021 23:56:58 GMT	SYKEREHX	SYKEREHX	41734873
AdvanceShippingNoticeEvent	SapEccO2CPoChgSource	d89d7193a6d841035428f8866611f808	1927073	OSS B2B	Fri, 30 Apr 2021 23:56:58 GMT	SYKCO01	SYKEN2	17374136



# Reports Page



# Alerts Page

The screenshot displays the Stryker EDI Monitoring Dashboard. The top navigation bar is orange and contains the Stryker logo, the title 'EDI Monitoring Dashboard', and links for 'Profile' and 'Help'. A notification bell icon is also present. On the left side, there is a sidebar menu with options: 'Search', 'Payload Search', 'Reports', 'Alerts' (highlighted), and 'Admin'. The main content area is titled 'Alerts:' and features a 'Create+' button. Below this, a table lists 'All alerts' with columns for Name, Alert Type, and Email. A 'Delete' button is located below the table. A modal window titled 'Create new alert:' is open, showing a form with the following fields: Alert Name (PO Failure Monitor), Alert Type (PO Error), Schedule (Weekly), Email (john.doe@stryker.com), Email Subject (PO Failure Notification), and Email Body (Greetings, There was a PO failure). The modal also includes an 'Advanced' section and 'Cancel' and 'Add' buttons.

Name	Alert Type	Email
PO Failure Notification	PO Status Checking	grewalr2023@gmail.com
Alpha Demo Test		grewalr4@msu.edu
Shipping Failure Notification		talagac2@msu.edu
DVM Error Transactions		gibbon94@msu.edu
Last Hop Checking		lancetys@msu.edu
DVM Error Transactions		grewalr4@msu.edu
Alpha Demo Test (Backup)		ravi.grewal.main@gmail.com



# What's left to do?

- Add *Payload Search* functionality (builds off of Search page)
- Create *Admin* user + administrator tools
- Implement the transaction trace and error highlighting on *Search*
- Add precise scheduling + custom querying on *Alerts* tab
- Round out the *Reports* page with exporting and more customization





# Questions?

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