



Global Trade Automation

Eric Stoff
Senior Manager, Trade & Customs

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Non-Technical Blockchain Intro Video

1. <https://www.youtube.com/watch?v=ewUwudl3wHc>



Duty Drawback



Historical process

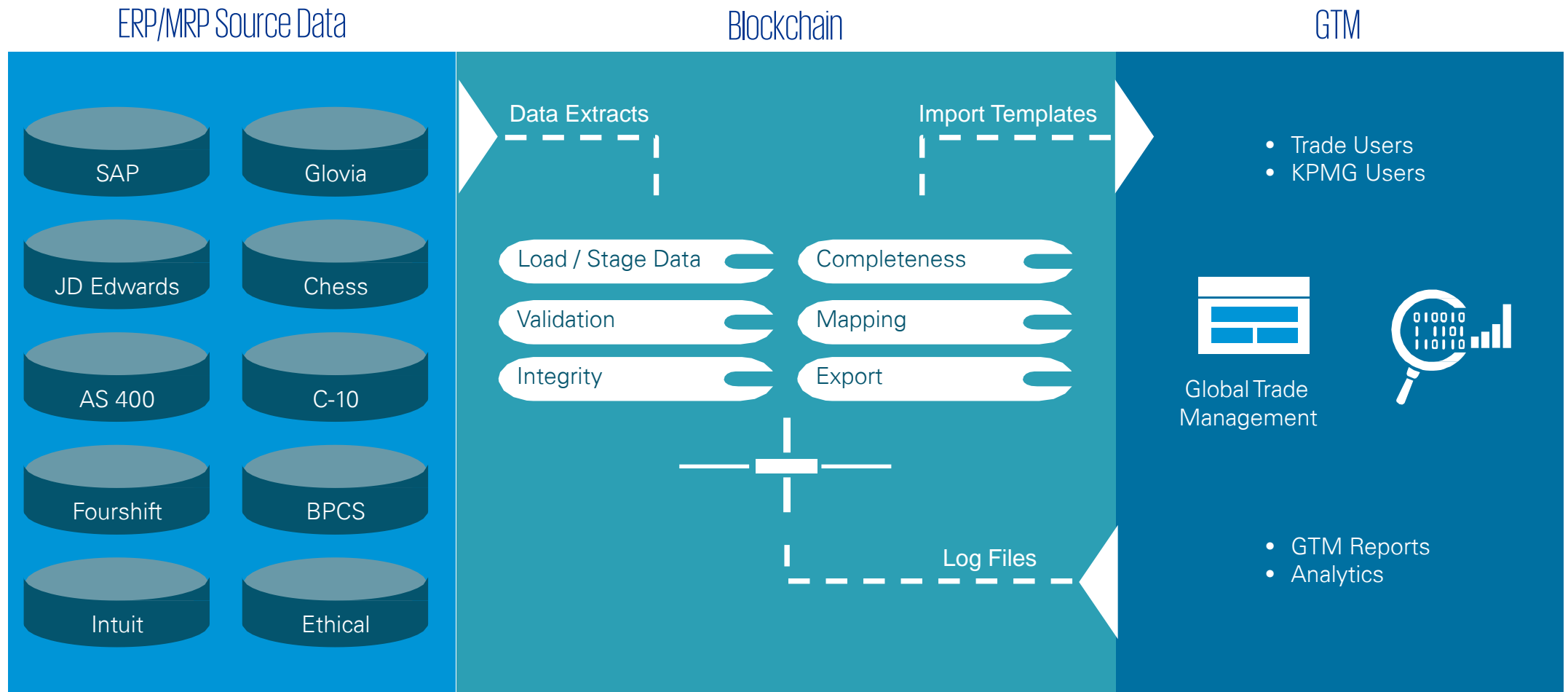
- Determine which type of drawback Company chooses to file
- Periodically, work with IT, import brokers and export filers to create the various reports required to complete claims
- During desk audit, work with IT, import brokers and export filers to capture the relevant screenshots to support a claim



Challenges

- Data located in various internal and external locations
- Very manual process to obtain, clear and audit data for claims and desk review
- Claim process is only done on a limited basis due to the time required to prepare claim
- Desk reviews are administratively burdensome to multiple parties

Data Lake (Blockchain)



Harnessing Data



Historical process

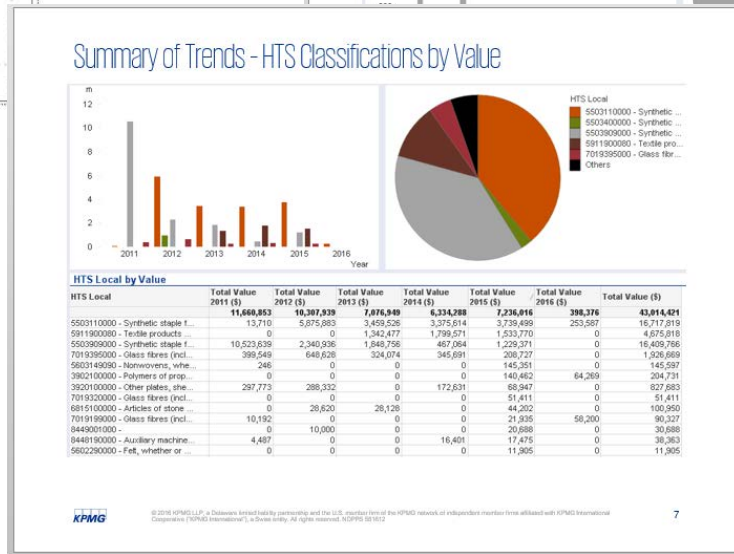
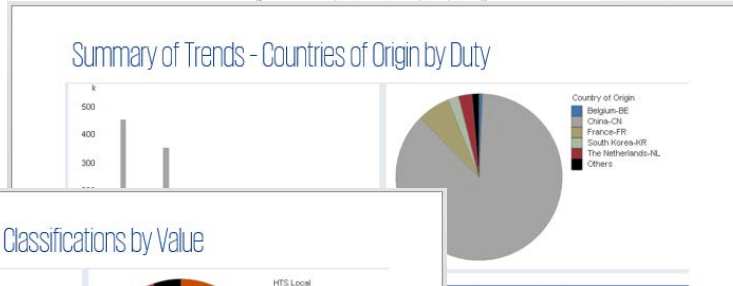
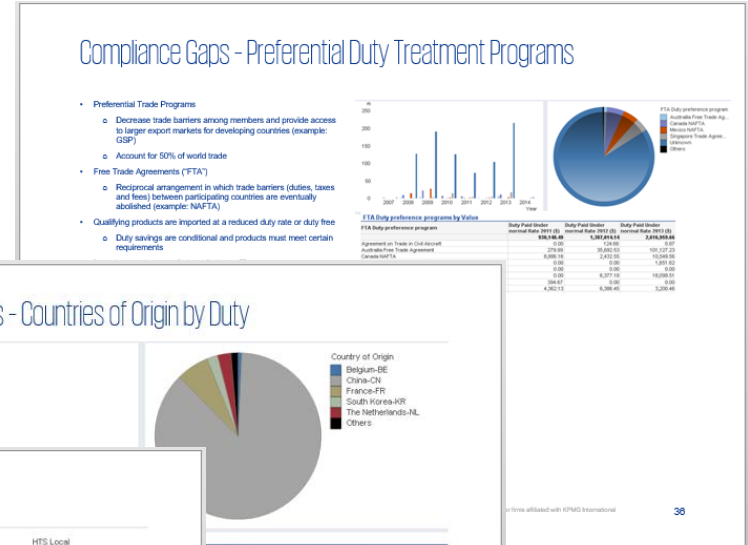
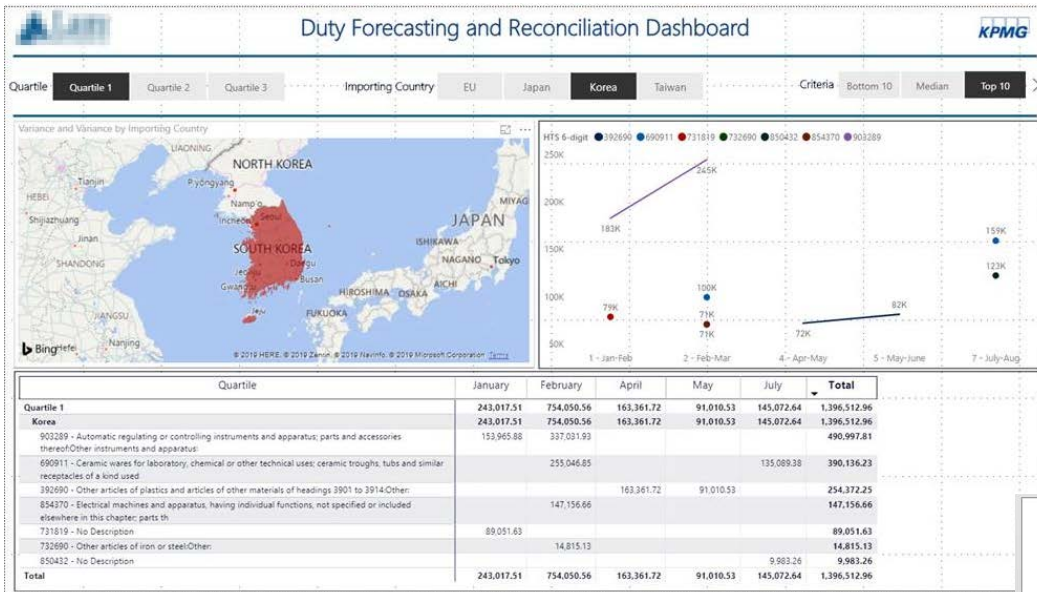
- Manually obtain various reports from IT resources
- Consolidate data into common data model
- Manually conduct downstream trade functions (ex., load into GTM, create worklists, etc.)



Challenges

- Various formats of data; IT resource turnover; manual creation of reports
- Subject to human error and loss of data
- Administratively burdensome for a large number of IT and functional people
- Knowledge to manipulate and analyze data

Advanced Analytics (Dashboards and Data Processing)



Example of Automation Project Plan

Current State		
Name	Functions	% of hours
Manager 1	Classification	50%
	Valuation	50%
	Total	100%
Manager 2	Entry Review	50%
	Origin	50%
	Total	100%
Staff 1	Classification	50%
	Drawback	50%
	Total	100%
Staff 2	FTA	50%
	Valuation	50%
	Total	100%
Staff 3	Origin	50%
	Restricted Party Screening	50%
	Total	100%
Staff 4	Reconciliation	50%
	Export Controls	50%
	Total	100%

Future State Goals	
Goal	Topic
1	Utilizing more drawback methods
2	Tariff engineering
3	First Sale
4	FTZ
5	Proactive review

Workstream	Tools					
	Machine Learning	Blockchain	Data Processing	Web Scapping	Robotics	OCR
Opportunity 1	X		X			
Opportunity 2		X				X
Opportunity 3				X	X	X
Opportunity 4			X		X	
Opportunity 5				X		

Function	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Design (Functional)																
Preparation																
Workshops																
Build Design																
Design Review & Approval																
Build																
Configuration & Specs																
Development																
Unit Testing																
Test-Train																
Mock Cutover																
Test Script Writing																
Integration Test																
User Training																
UAT																
Go-Live																
Cutover																
Go-Live																
Production Support																



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