Explode your Splunk ITSI Footprint

Automate your Service Decomps!

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Agenda

1) Introduction to Cox Automotive

About us, and what are we trying to solve?

2) Designing Model Service Trees

How did we start building the automation framework?

3) Expanding your ITSI Automation Workflow

Thinking about your customers!

4) SNOW-ify!

Tying your workflow to a SNOW form.

5) What have we learned?

Takeaways from our experience with Decomp Automation.



Introduction to Cox Automotive



Our Splunk footprint





A Quick History–Cox Automotive and Splunk



Implementing ITSI – Scaling Challenge

Resource Constraints

Cox Auto's Splunk Team has 4 engineers.

Small team handles Splunk ops, engineering, and enablement.

Team does not have data ownership and insights into customer's KPI's.

Service Decomps are time consuming and require repeated engagements.

Customer Requirements

There are hundreds of ITSI use cases in Cox Automotive.

Different developers are responsible for different pieces of the application.

Developers have a very rudimentary knowledge of Splunk.

Architectural diagrams are not readily available.



Attacking the Problem

How can we scale?



Service Tree, Decomposition Tree, Standardize Data Collection can we scale?

to follow along

process by embedding the automation flow into a **SNOW** form

capabilities to integrate ITSI with Incident, Change, and **Problem Mgmt**





Designing Model Service Trees

How did we start building the automation framework?

ITSI Model Trees

Visualize the decomp for your users







Expanding your ITSI Automation Workflow

Service onboarding phases

The ITSI Onboarding Phases

A user driven interaction



requirements.

splunk> .conf20

So, why do it this way?

- 1) Cox Auto's ITSI Onboarding Workflow is considered a federated, self-service model.
- 2) This ensures scalability at an enterprise level.
- 3) A significant amount of legwork and KPI discovery falls upon the app owner, since the app owner knows their data best.
- 4) Acquiring a workflow design that simulates the app at a high level (in advance!) helps both the Splunk Admin and the customer. This avoids the lengthiest part of a Service Decomp – the whiteboarding.
- 5) Letting the customer pre-select KPI templates and using an intake form for the custom KPI's accelerates the process further.



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SNOW-ify!

Tying your workflow to a SNOW form

If you have SNOW, use it!

If your userbase is accustomed to SNOW intake forms, this integration is a game-changer.

Work with Your SNOW Team



Most enterprises that use SNOW have a dedicated SNOW team. SNOW's intake forms are versatile, and you can have your own custom ITSI onboarding intake form. Ask Pointed Questions



Try not to be too wordy in your SNOW form. Use supporting documents to provide necessary details.

A SNOW Ticket Allows for Tracking and Commenting



When a form is submitted, both the Splunk Admin and the customer can communicate regarding the requirements without the need for a meeting.



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John Lim

* Please select a Splunk Service:

ITSI Onboarding

* Are you the data owner of this application?

-- None --

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*What business unit are you with?

* Who is the SME for this application?

*What is the name of your application?

*Who is the primary and backup Data owner for your application?

* Do you have a primary/backup Splunk Knowledge Manager?

-- None --

* Does your application ingest logs into Splunk today?

-- None --

splunk> .conf20

* Please preselect available out-of-box Key Performance Indicators	
that apply to you:	

Web Server

Application Server

Database

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|--|

APM

Please fill in requirements for all Custom Base KPI's

* Workflow Step

* Service name:

* Splunk String

* KPI Conditions:

splunk> .conf20

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🏋 Add to Cart

Submit

* KPI Thresholds:

* KPI Weights:

* Describe your troubleshooting process for this 'Workflow Step'

* Who is responsible for troubleshooting this Workflow Step?

* Would you like to add another KPI?

-- None --





What Have we Learned?

Takeaways from our experience with Decomp Automation.

Empower Users!

A guided user experience reduces ITSI onboarding friction.

Phased Onboarding Approach



This approach lets the users be involved in the process from Step 1. They will learn more about their app, along with learning how to use Splunk. Create Supporting Documents and Guided Intake Form



Don't forget to create your supporting user documents! A guided intake form lets the users take ITSI onboarding step by step. Each piece builds towards the next, and the process is a little less overwhelming.

Continue to Evolve your Process!



Users will always have constant input regarding how the automation can be improved. Use these ideas to build a well-oiled ITSI onboarding machine.





Thank You

Please provide feedback via the

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SESSION SURVEY