



Keyva

Agenda

- Who is Keyva?
- Solution Specific Use Cases
- Live Demo
- Summary

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Intro

- Red Hat Apex Partner
- Specializing in consulting around
 - OpenShift
 - Ansible
 - Custom automation solutions
- We are an ISV and build certified integrations between vendor solutions like ServiceNow and Ansible Tower

CUSTOM ANSIBLE MODULE

USE CASES



- Interacting with CLIs and APIs that do not have existing automation
 - API Create, Read, Update, Delete operations
 - Dealing with uncommon or old hardware CLIs
- Performing complex data operations where Ansible and jinja is not enough.
- Situations where existing Ansible modules don't provide enough features or functions

Custom tools for auditing or compliance

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WHAT IS PEXPECT



- Python module that allows interacting with a pseudo-TTY
- Emulates a user at the keyboard
- Evaluates output for regex matching
- Can send input back to program in response to matching
- Can capture regex matches for further use
- Requires python pexpect module installed on machine running it
- Used by Ansible expect module

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PEXPECT ANSIBLE MODULE

EXAMPLES



- Install and other shell scripts
 - Especially ones that are poorly written
 - Make them idempotent
- Interactive CLI configuration tools can also be made idempotent
- When you need to be in a custom environment before running commands
- When you want data returned as a registered variables
- Programs with huge amounts of output

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Demo



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SUMMARY

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