Standard Rubrik Pitch
(Slide 1/100)

Welcome to Rubrik Build

APIs, Chatbots and Backups, Oh My!

There is really only one marketing slide

Mike Preston

Tweets 🐦 mwpreston
Codes ⓞ mwpreston
Works Developer Advocate
        @ Rubrik
Does   Coding, Writing, Talking
Likes 🇨🇦 Maple Syrup & Hockey

Chris Kapusta

Tweets 🐦 Pusta
Codes ⓞ Pusta
Works Principal Architect
        @ Insight CDCT
Does   Standing off to the side in
        presentations, Speaking, Coding
Likes Video Games and Bourbon

Mike Mclain

Tweets 🐦 vmoprcmd
Codes ⓞ vmoprcmd
Works Architect, Data Protection
        @ Insight CDCT
Does   Coding, Testing, Problem Solving
Likes SB Champions KC Chiefs, Aviation

Taking a Different Approach with APIs

Full-featured APIs

Built API-first with a web UI that consumes its own APIs.

All functionality is exposed over REST, so you can easily integrate or build on top of Rubrik.

User-friendly Resources

Get started immediately without any REST API knowledge.

Easy to access and learn with interactive documentation, sample code, and example use cases.

Pre-built Integrations

Integrate with your existing tools or extend to any third party provider.

Easy to consume with pre-built integrations that are supported by our core engineering team.

Rubrik Build

- An open source community around Cloud Data Management and protection

- Focus on education and tools

- There is no charge to participate or consume and all are welcome

https://build.rubrik.com

Rubrik Build

Program Offerings

Global Workshops

The workshops cover the following:

- Welcome to Rubrik Build

- Introduction to Version Control with Git and GitHub

- Introduction to APIs

- Introduction to Programming Concepts

- Learning PowerShell (and other languages)

- Developing a CI Build & Release Pipeline

Build the Future of Cloud Data Management

Software Development Kits

- ⟩GO Go ›
- PowerShell ›
- Python ›

VIEW ALL SDKS

Tooling Integrations

- Ⓐ Ansible ›
- VMware vRealize ›
- splunk> Monitor Rubrik with Splunk ›

VIEW ALL INTEGRATIONS

Use Cases

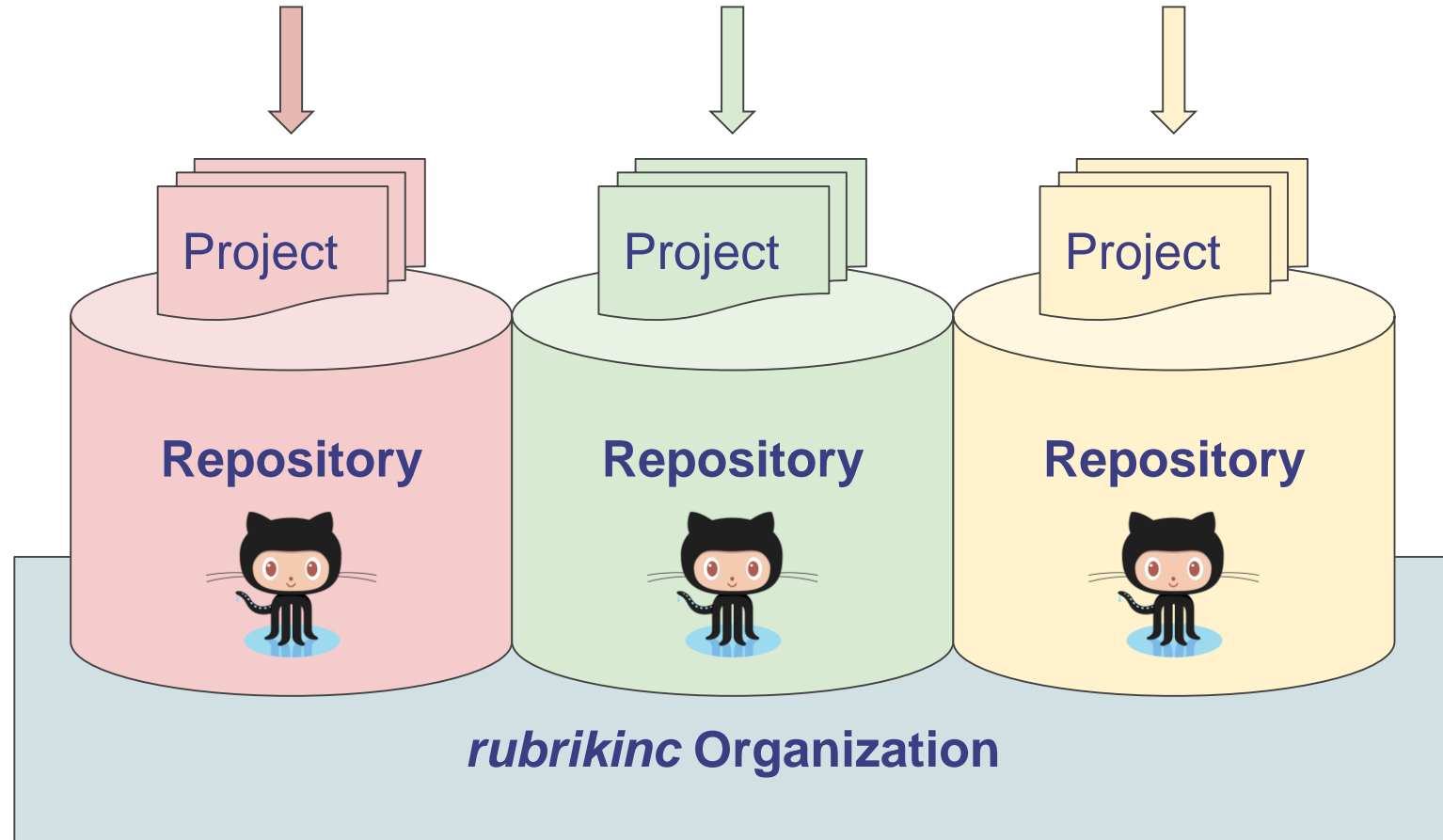- Roxie, Rubrik's Intelligent Personal As... ›
- Backup Validation with PowerShell ›
- Provision and Protect with vRealize ›

VIEW ALL USE CASES

Content Repository

- All code, documentation, and community discussion occurs on GitHub.

- Each project is stored in its own repository.

Documentation

Quick Start Guide: Roxie Bot

Table of Contents

Contributing

Code Contributions

- Pull Requests (PRs) are used by individuals who wish to contribute to a project. The high level workflow is as follows:
  - Individual creates a Fork of a Rubrik Build project to their own GitHub account.
  - Individual makes changes to the Fork copy of the project.
  - Individual submits a PR requesting that the Rubrik Build project "pull in" their changes.

- Issues are also helpful. Help us identify problems!

Non-Code Contributions

- Hosting or speaking at meetups
- Artistic contributions
- Updating existing documentation and adding new features
- Translation and localization
- GitHub management (tags, issue triage, etc.)

@atscomposer I merged an example change over to your fork in the `Get-RubrikSetting` function just to showcase some of my thoughts 👍

Shuttleworth, Adam added some commits 3 hours ago

○─ Updated to include new functions in FunctionsToExport.   842645d

○─ Renamed file   2888b80

○─ Modified with new function names.   78feef6

○─ Minor update to help section   5a30d12

○─ Updated parameters.   ✔ f603082

chriswahl self-assigned this an hour ago

chriswahl added the **status-2-code-review** label an hour ago

chriswahl added some commits 19 minutes ago

Work Together on Features

" As a new Rubrik customer I wanted to be able to set some of these settings and configurations via script and found adding them to the SDK was easier than I thought. :)

https://github.com/rubrikinc/rubrik-sdk-for-powershell/pull/263

Use Case Overview

Roxie

What are we working with?

Rubrik CDM

Amazon Lex

AWS Lambda

Python

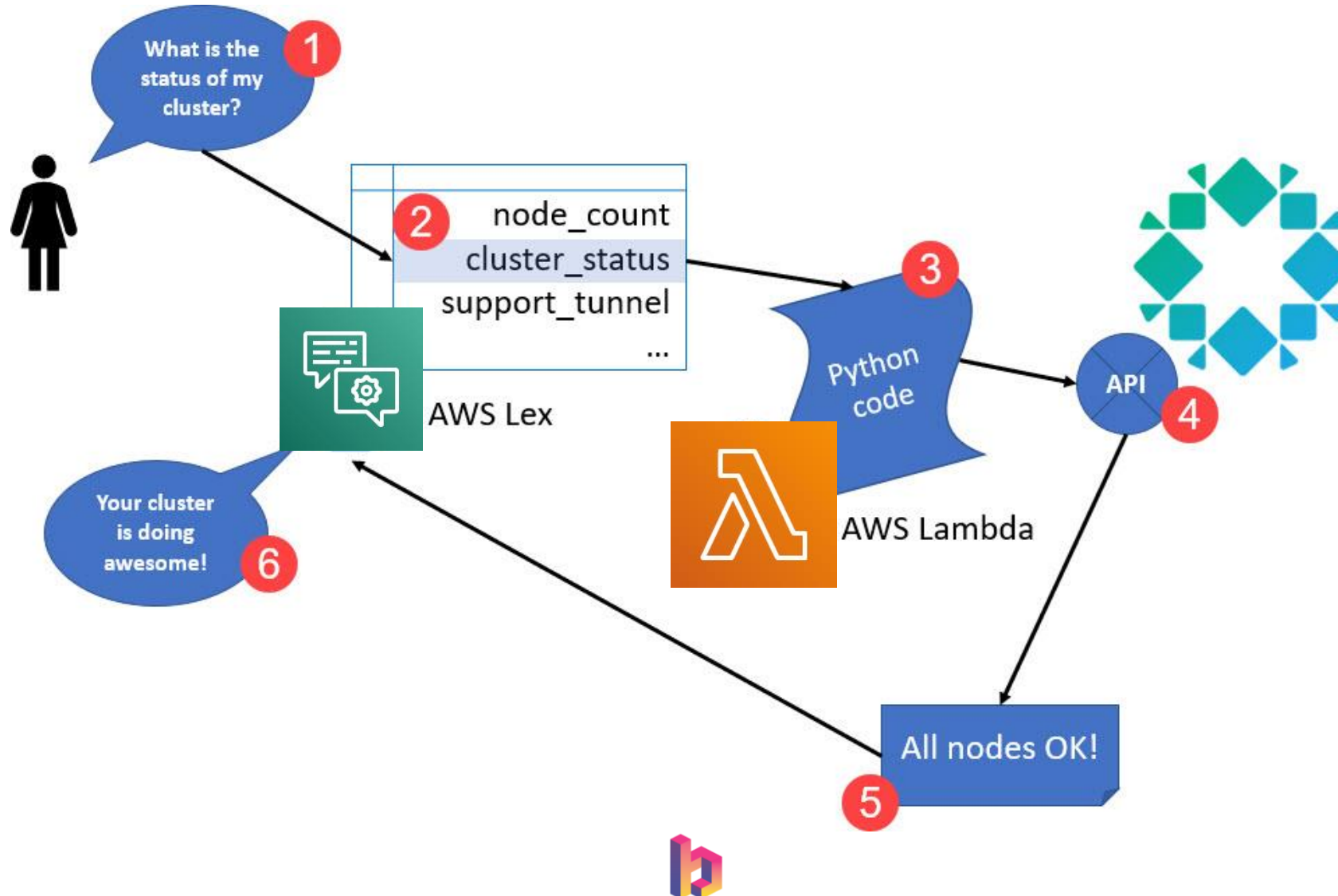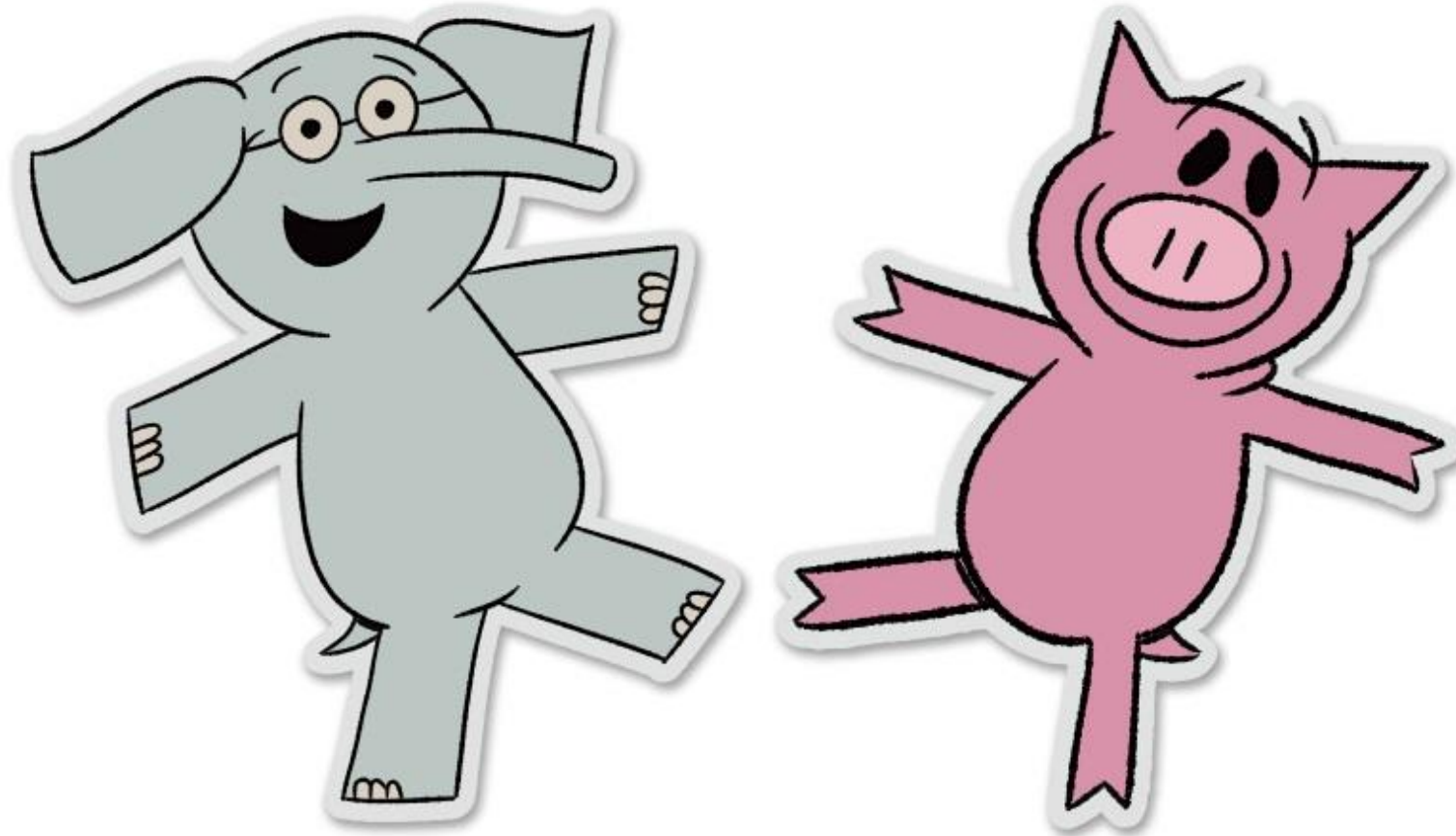AWS IAM

AWS VPC

High Level Diagram
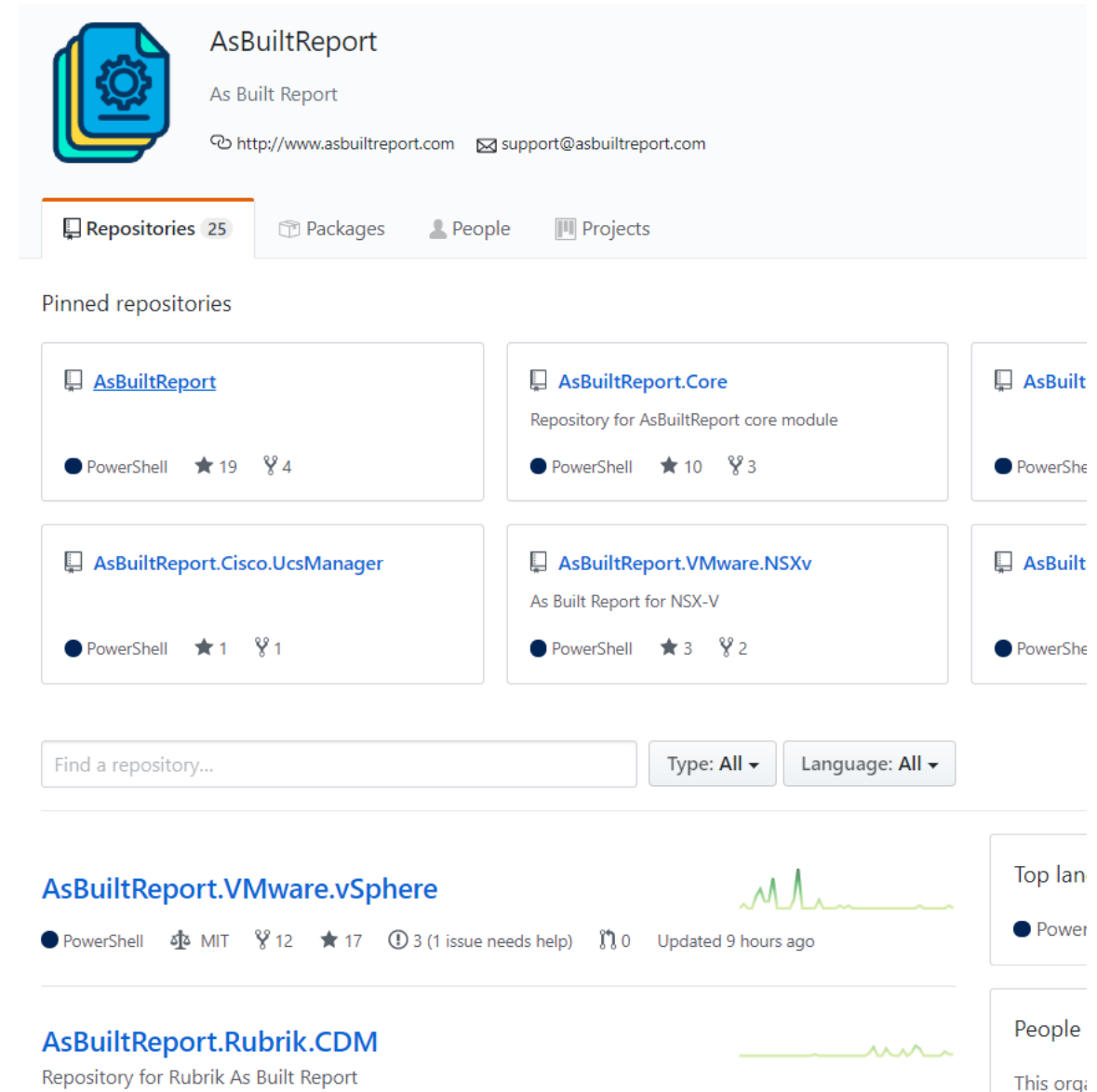
Demo Time – A look at Roxie (in the Insight Lab)

Use Case Overview

Rubrik As Built Report

What is the As Built Report project

- Open Source Configuration Document Framework created by Tim Carman and Matt Allford
- Written in PowerShell
- Modular design provides ease of updates
- Multiple detail levels for granular control of reports
- Multiple output types (HTML, DOCX, XML, & TEXT)

Rubrik As Built Report Module

- 100% reliant on the Rubrik SDK for PowerShell

- Divided into 4 main sections
  - Cluster Settings – DNS, Network, Security, Users, Storage, etc..
  - SLA Domains – RPO, Archive, Replication, Object inclusion
  - Protected Objects – Name, Type, Metadata, Snapshot information
  - Unprotected Objects – Name, Relic status, Retention status

The following section provides information on the configuration of the Rubrik CDM Cluster Cluster_B

Name	Cluster_B
Number of Briks	1
Number of Nodes	4
Software Version	5.0.3-p3-2397

1.1.1 Cluster Storage Details

Total Usable Storage (TB)	30.1
Used Storage (TB)	3
Available Storage (TB)	27

1.1.2 Network Settings

The following contains network related settings for the cluster

1.1.2.1 Cluster Interfaces

Interface Name	Type	Node	IP Addresses	Subnet Mask
bond0	Management	RVM182S004243	192.168.150.121	255.255.255.0
bond0	Management	RVM182S004439	192.168.150.122	255.255.255.0
bond0	Management	RVM182S004912	192.168.150.123	255.255.255.0
bond0	Management	RVM182S004944	192.168.150.124	255.255.255.0

1.1.2.2 DNS Configuration

DNS Servers	10.10.15.5 10.10.12.131 10.10.12.132 10.10.12.133 10.10.10.5
Search Domains	rubrik.us adpaper.local

1.1.2.3 NTP Configuration

Server
pool.ntp.org

1.1.2.4 Network Throttling

Resource ID	Enabled	Default Throttle Limit
ArchivalEgress	False	9223372036854.77
ReplicationEgress	False	9223372036854.77

Demo Time – A look at the Rubrik As Built Report
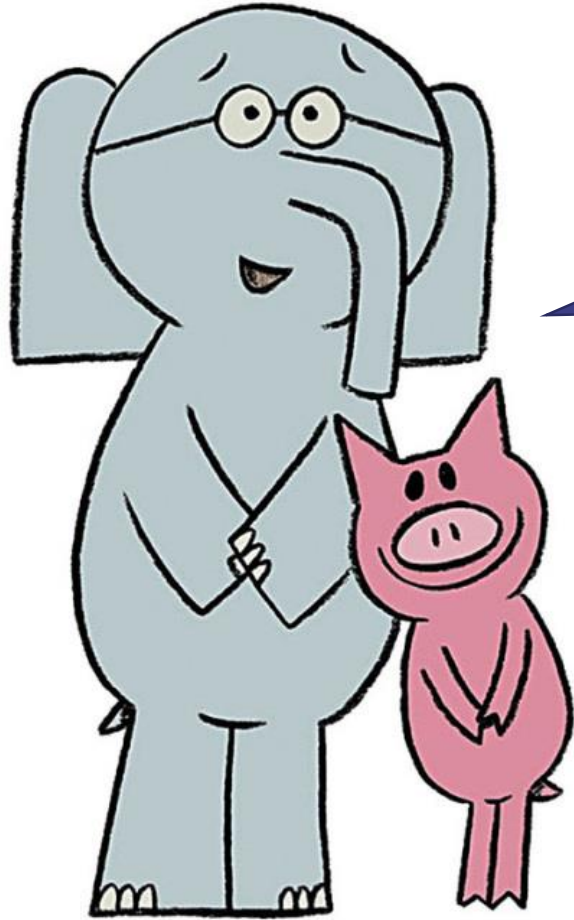
```
PS C:\Users\mwpreston>
```

Now What?

- Set up Roxie in your own environment
- Fork the repo, and add your own functions
  - Submit a PR and show us your work
- Run the As Built Report in your environment
  - Submit issues on GitHub
- More than just Chatbots & Reports – Ansible, PowerShell, Terraform, CloudFormation, ARM, Python….
- Join the Rubrik Build Slack channel – https://slack-invite-automation.azurewebsites.net
  - Password: build
- Follow @RoxieAtRubrik and @RubrikBuild

build

Building the Future of Data Management

Slides, Code, & Links all located on
https://github.com/mwpreston/presentations