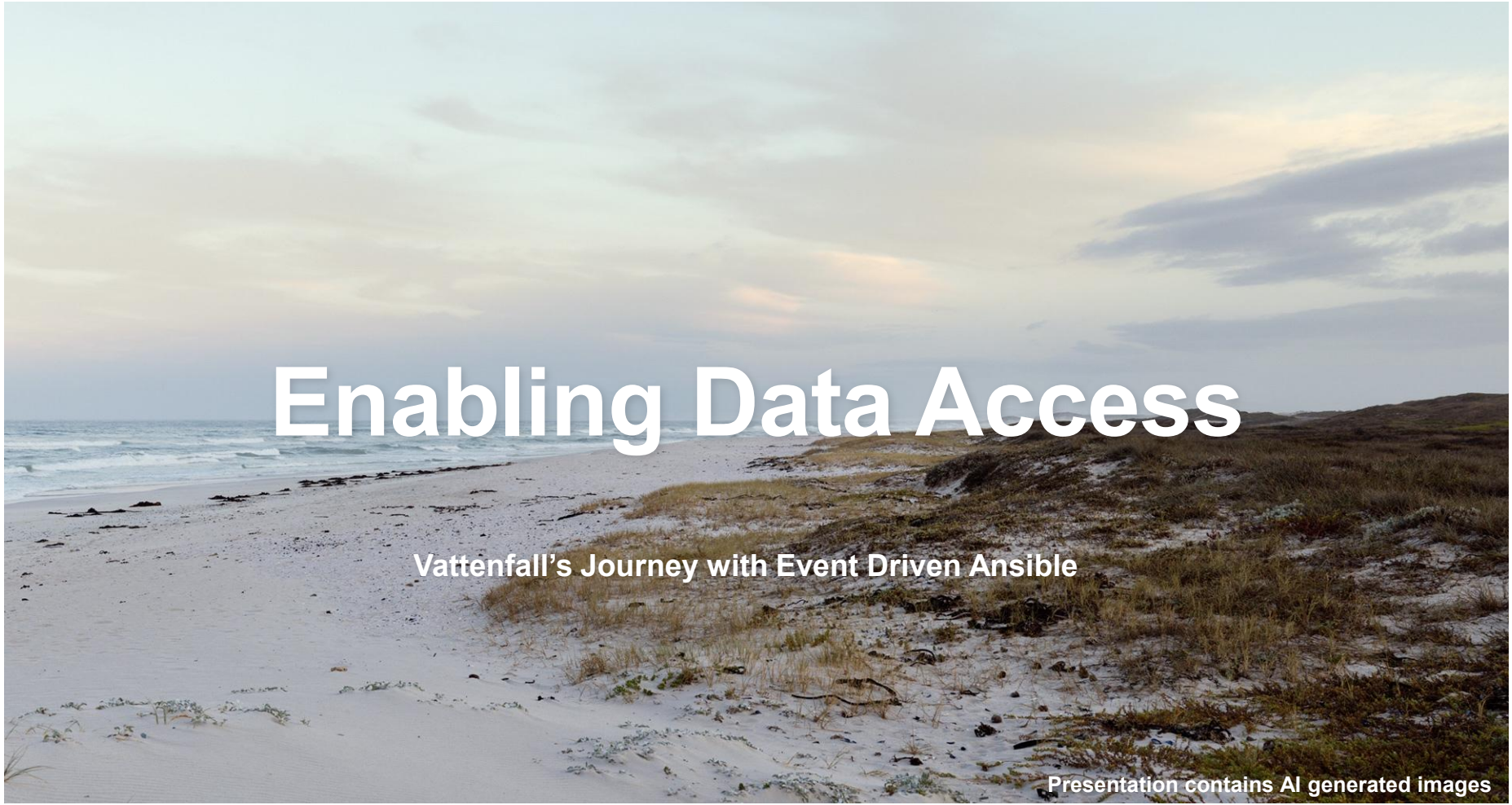

Enabling Data Access
Vattenfall’s Journey with Event Driven Ansible
Presentation contains AI generated images

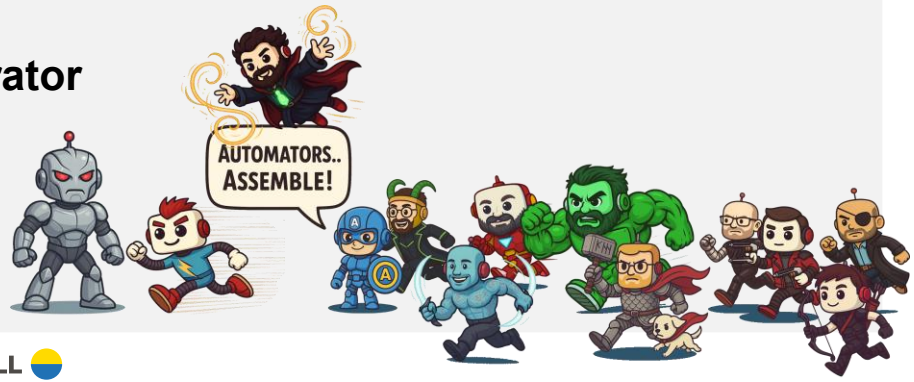
Rules of Engagement

→ **Who we are:**
Vattenfall: Energy provider (generation + grid)
SWAT: Centralized Automation Platform Team

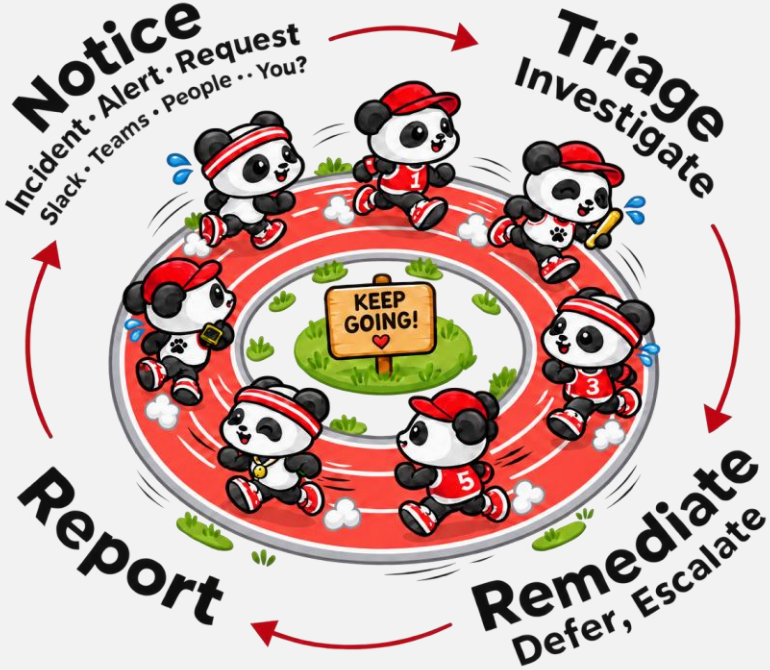
→ **What have we done recently:**
Event Driven Ansible, Self-Service-Self-Service

→ **What are we doing next:**
Community Events + (hopefully) Orchestrator

→ **Let's handle questions as they come:**
Interaction and chaos is fun!



The Loop


Notice
Incident · Alert · Request
Slack · Teams · People · · You?
Triage
Investigate
KEEP GOING!
Remediate
Defer, Escalate
Report

It’s just a process

→ Incident Management

→ Change Management

→ Lifecycle Management

→ Threat & Vulnerability Management

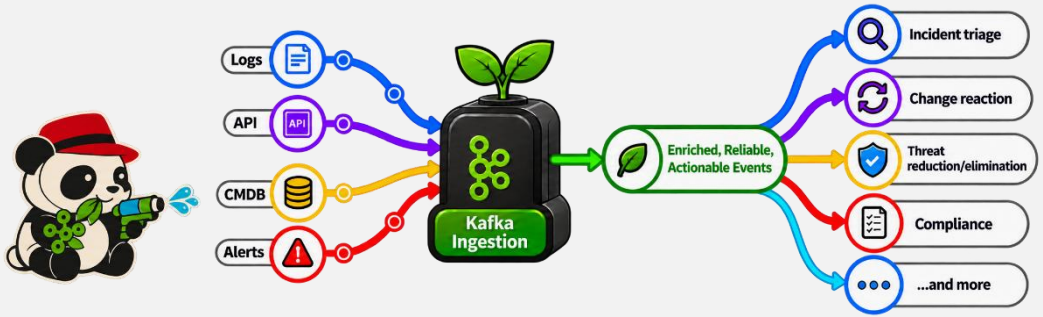
→ .. Management Management?



“Enterprise” Data

The Key to Event Driven Automation

- Purpose-based
- Silly Data Models
- Silly Change Markers
- Rarely Kafka-native, occasional web hook support



Event Driven Usecases

→ Incident triage

→ Agnostic RDBMS compliance (“Group Policies for Databases”)

→ Automated vulnerability remediation

→ Decoupled post-provisioning

→ .. But only getting started



Dos and don’ts

Do you need to reinvent the wheel?

Do: Know your audience
Do: Understand your limitations
Do: Make friends, not enemies



Dos and don’ts

Do you need to reinvent the wheel?

Do: Know your audience
Do: Understand your limitations
Do: Make friends, not enemies

Do not: Create unwanted noise
Why generate events that don’t or can’t get acted upon?

Do not: Implement *too many* ingestion patterns
Aim for simplicity in both operations and development.

Do not: Reinvent the wheel (Unless you have to)
We iterated for speed, and deep knowledge of our data.



Questions?

→ **What's with all the god damned pandas?**
Eats, shoots and leaves (Wikipedia)

