**WIZ**<sup>+</sup>

# Al Security Assessment Sample Report



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#### Introduction

This is a sample assessment report for the types of AI security insights Wiz AI Security Posture Management (AI–SPM) provides you with. In this report, you will learn about AI Bill of Materials (AI–BOM) that provides you with visibility into any AI technology in your environment, across managed AI services and hosted models. You will see examples of AI–SPM configuration checks for AI services that help you follow AI security best practices. We will review the AI Security Dashboard that centralizes all the AI security insights practitioners need to know in order to focus on the most critical risk. We will introduce the concept of Wiz Issues, which are combinations of risks in your AI pipelines across sensitive data, permissions, misconfigurations, secrets, and vulnerabilities that create an attack path to your models. For each Issue, you will see a summary of the findings and the evidence on the Wiz Security Graph.

These are just a small subset of the security insights you get with Wiz to help you get familiarized with the platform.

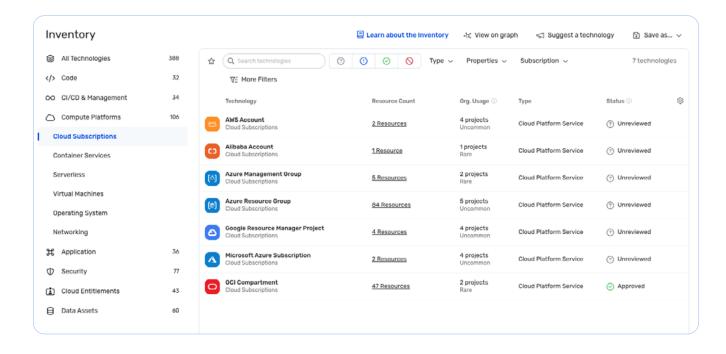
#### Let's get started!

# **Deployment Scope**

#### **Cloud subscriptions inventory**

Wiz connects to your cloud environment using the cloud provider's APIs and scans your entire technology stack without any agents. Wiz is connected to these cloud environments:

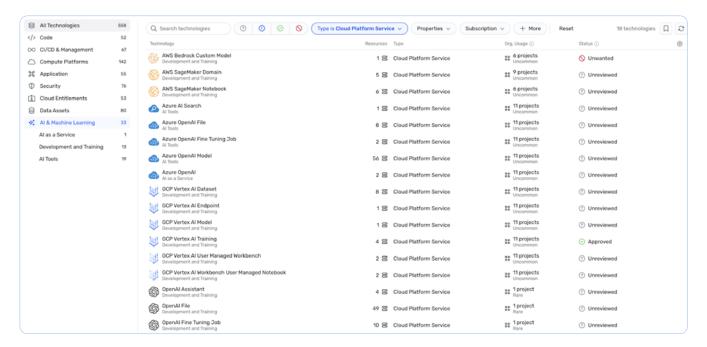
- Amazon Web Services
- Alibaba Cloud
- · Microsoft Azure
- · Google Cloud Platform
- · Oracle Cloud



# Overview of the Al technologies in your environment

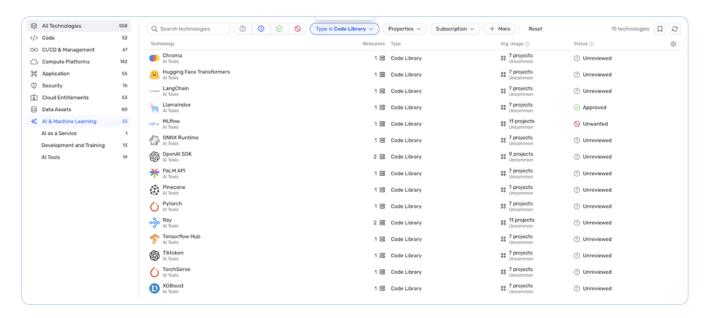
#### Managed Al services

There are 18 managed AI technologies in use in your cloud environment

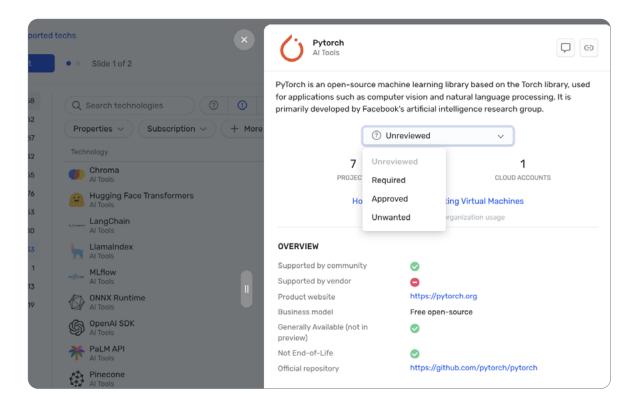


#### **Hosted AI technologies**

You have 15 different AI hosted technologies in your environment

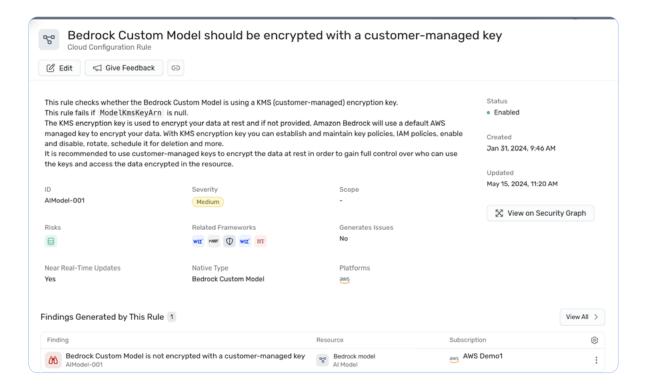


As data scientists introduce new technologies to the environment, you can review them to and mark them as Approved or Unwanted



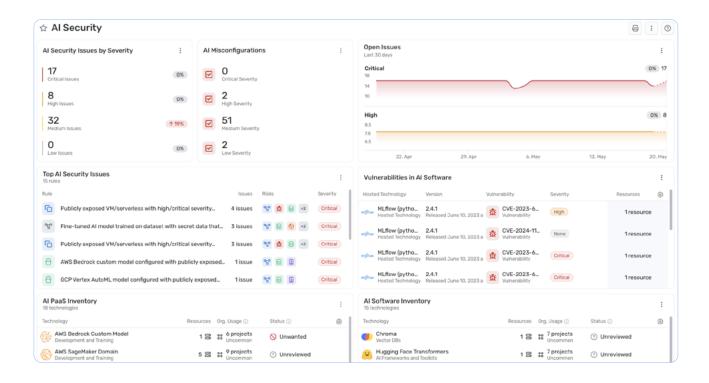
## Overview of AI-SPM configuration rules

Wiz assesses your AI services for misconfigurations to help you ensure they follow security best practices. You have a configuration finding for Amazon Bedrock Custom Model



#### Overview of AI-SPM issues

Wiz runs deep risk assessment of AI pipelines across data, misconfigurations, vulnerabilities, identities, secrets and correlates all AI risks on the Wiz Security Graph. Wiz then identifies Issues in your environment, which are a combination of the different risks that result in an attack path in your AI pipelines. Issues are prioritized based on criticality. You can get a centralized view of your AI security posture with the built-in dashboard:

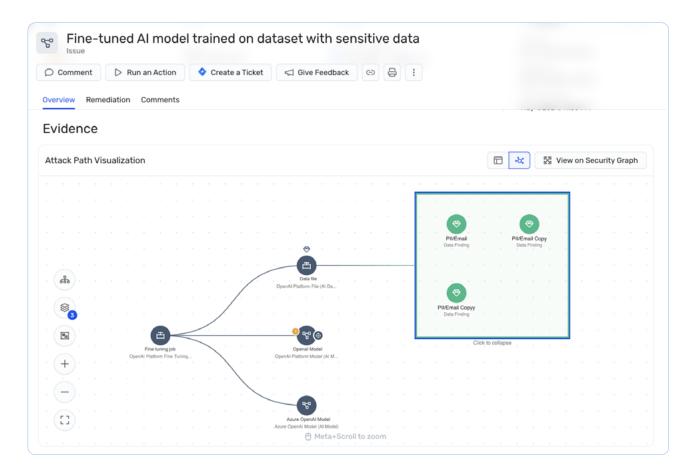


You have 17 critical issues in your environment

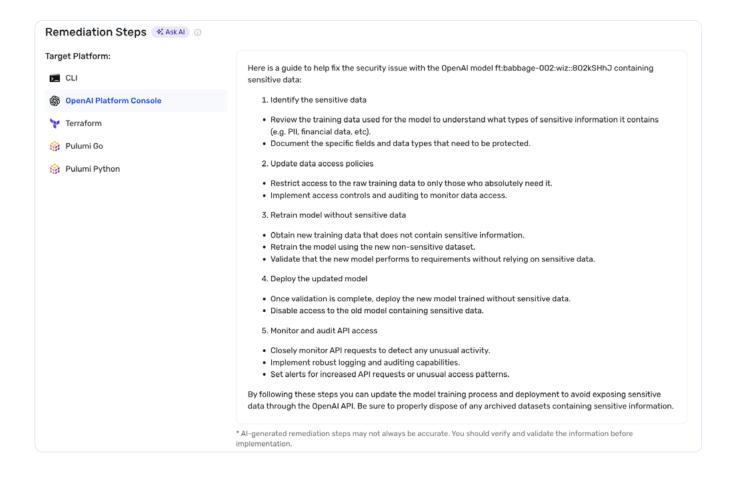
#### Issue Examples

1. Sensitive training data example: Fine-tuned AI model trained on dataset with sensitive data

- · Wiz found PII data in an OpenAI data file
- Azure OpenAl model is fine-tuned on that data file

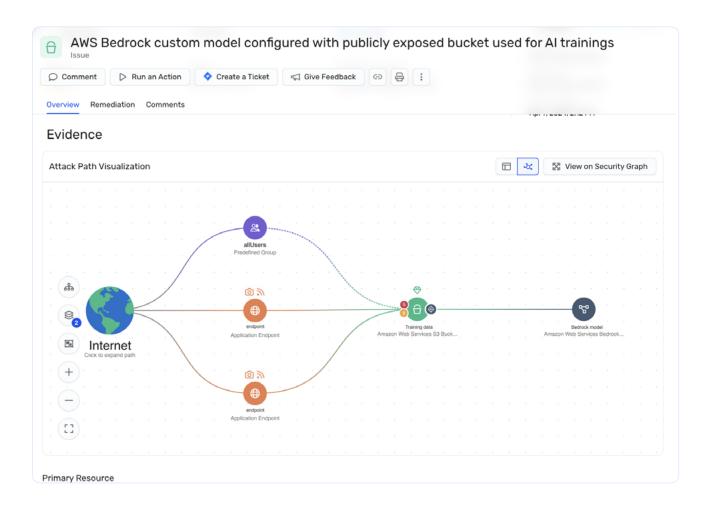


#### Wiz generates remediation steps and allows you to also generate Alpowered remediation guidance for the Issue



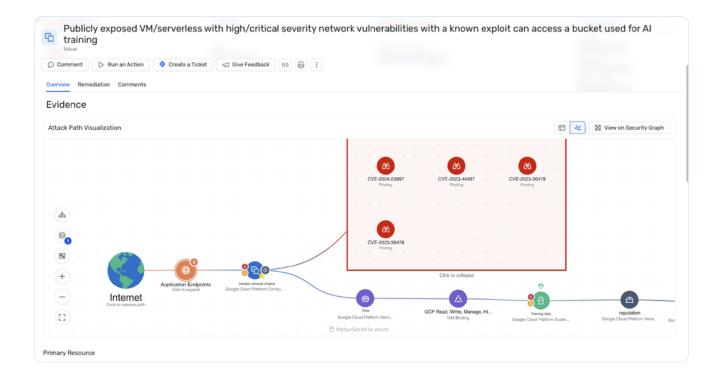
# 2. Model poisoning example: AWS Bedrock custom model configured with publicly exposed bucket used for AI trainings

- Amazon Bedrock custom model is fine-tuned on a bucket with sensitive data
- The bucket is exposed to the internet and allows access to all users



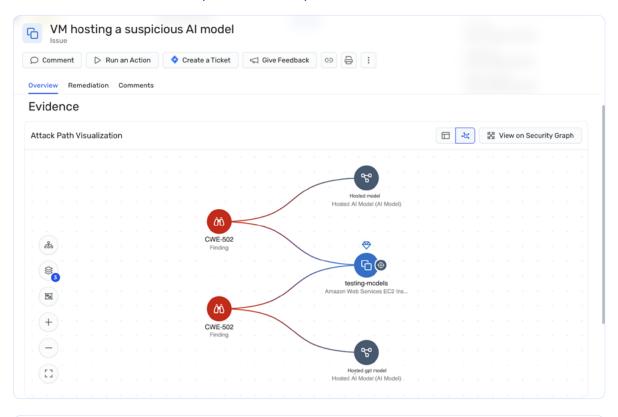
**3. Toxic combination example:** Publicly exposed VM/ serverless with high/critical severity network vulnerabilities with a known exploit can access a bucket used for AI training

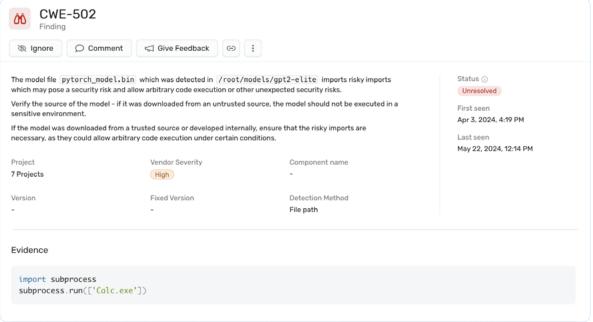
- This VM has a public internet exposure path
- There are 7 critical vulnerabilities found on the virtual machine
- The role associated to the machine has access to storage bucket with sensitive data
- The bucket is used to store training data for a Vertex AI model



#### 4. Malicious model example: VM hosting a suspicious model

- There is an EC2 instance that is running two hosted AI models
- The model files have risky imports that can allow arbitrary code execution or other unexpected security risks

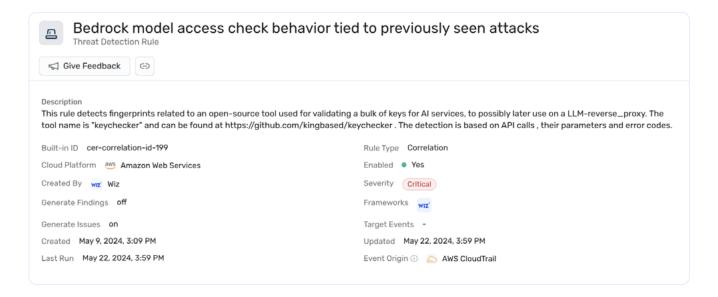




**5. Example threat detection:** ABedrock model access check behavior tied to previously seen attacks

#### **Findings**

 Wiz detected a suspicious behavior in Amazon Bedrock model access in near real-time



# **Next Steps**

Get started now with Wiz Al-SPM to see your own Al security insights, we would love to connect with you over <u>a live demo</u>.

