

# Taxonomy of Threats to detect when AI Agents are in production





# I Introduction

You have deployed AI agents in your environment. Your security policies mandate security monitoring of all assets in production and your existing SOC does that for your current assets.

Now you need to provide similar security monitoring for all your AI agents and AI applications.

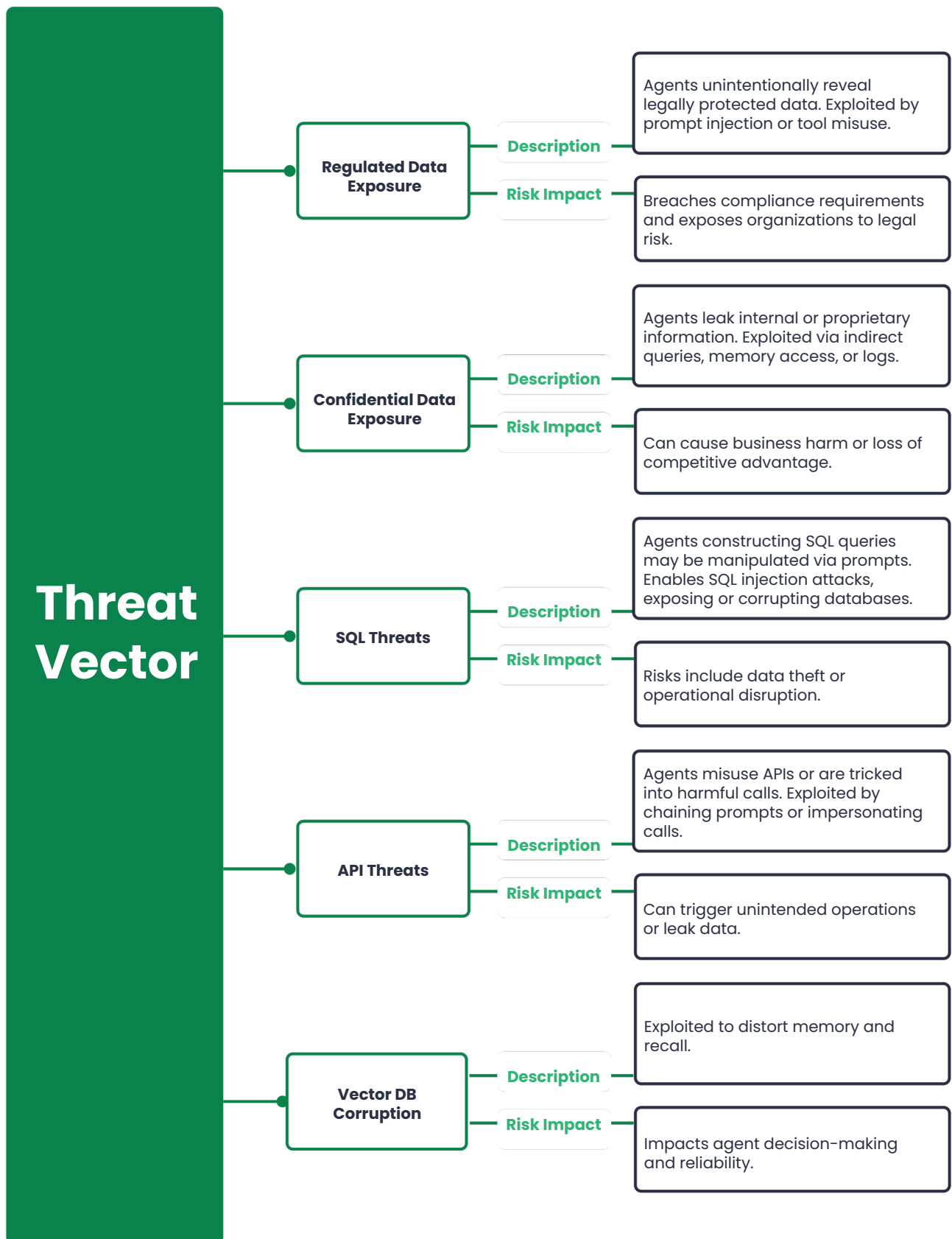
The threats to Agentic AI are different. This paper discusses various types of threats in Agentic AI that arises as you deploy Agents in production and how to monitor them in real time.

## I Agentic AI threat areas

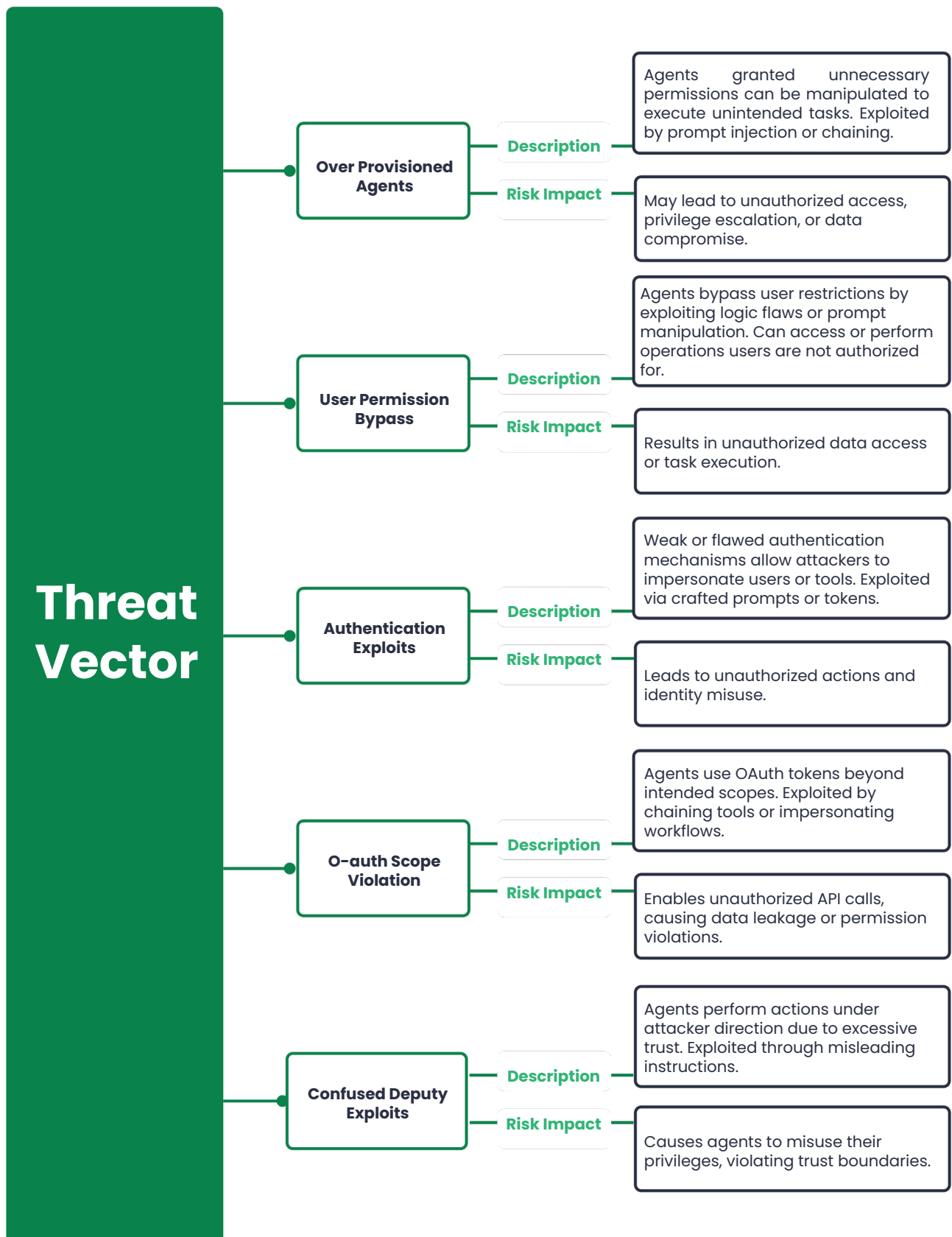
### **Threats to Agentic AI fall in four main areas:**

- 01 Data Interaction Threats
- 02 Agentic Privilege Misuse
- 03 Agent Manipulation Threats
- 04 Agent Overreach Threats

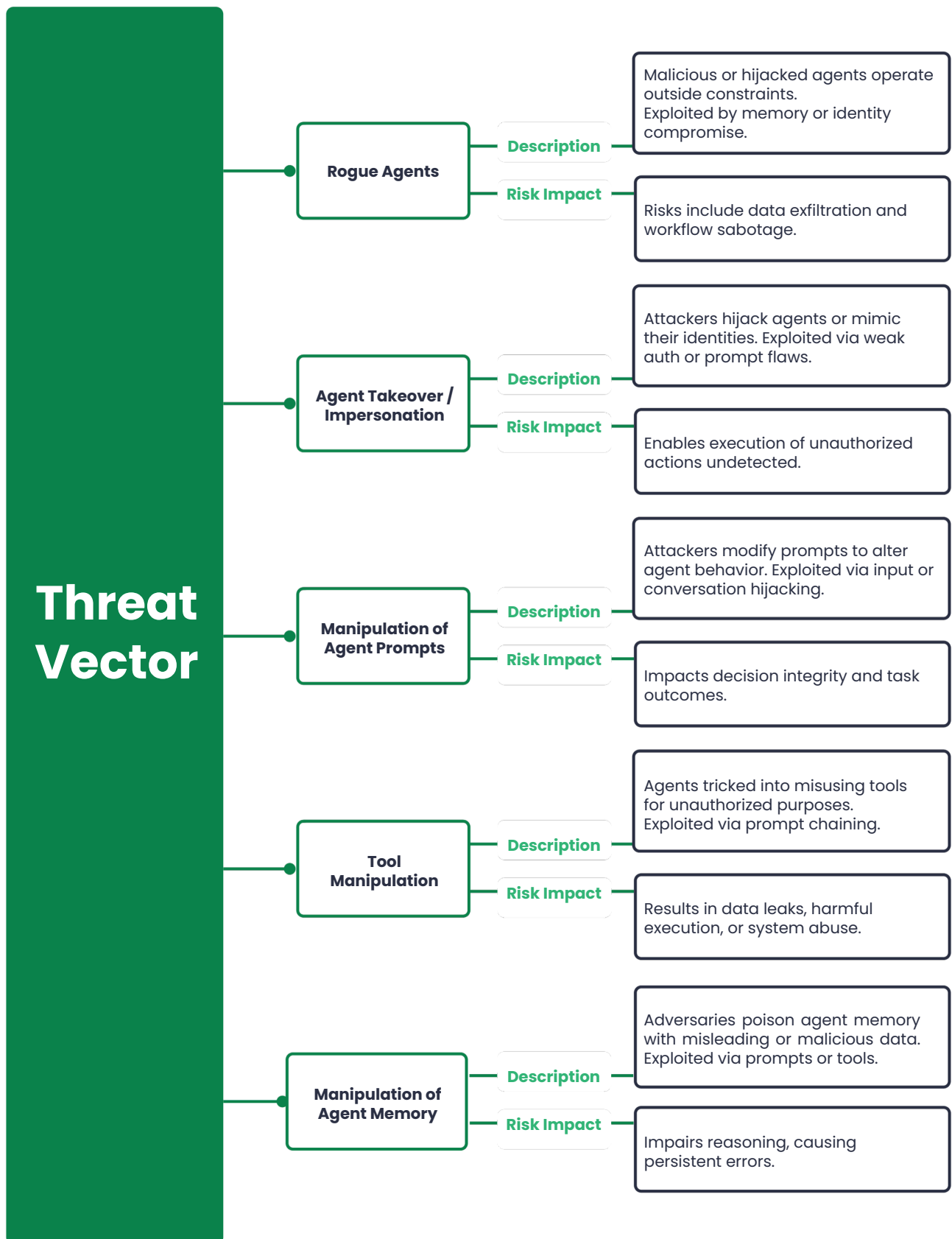
# Data Interaction Threats – Data mishandling risks by agents



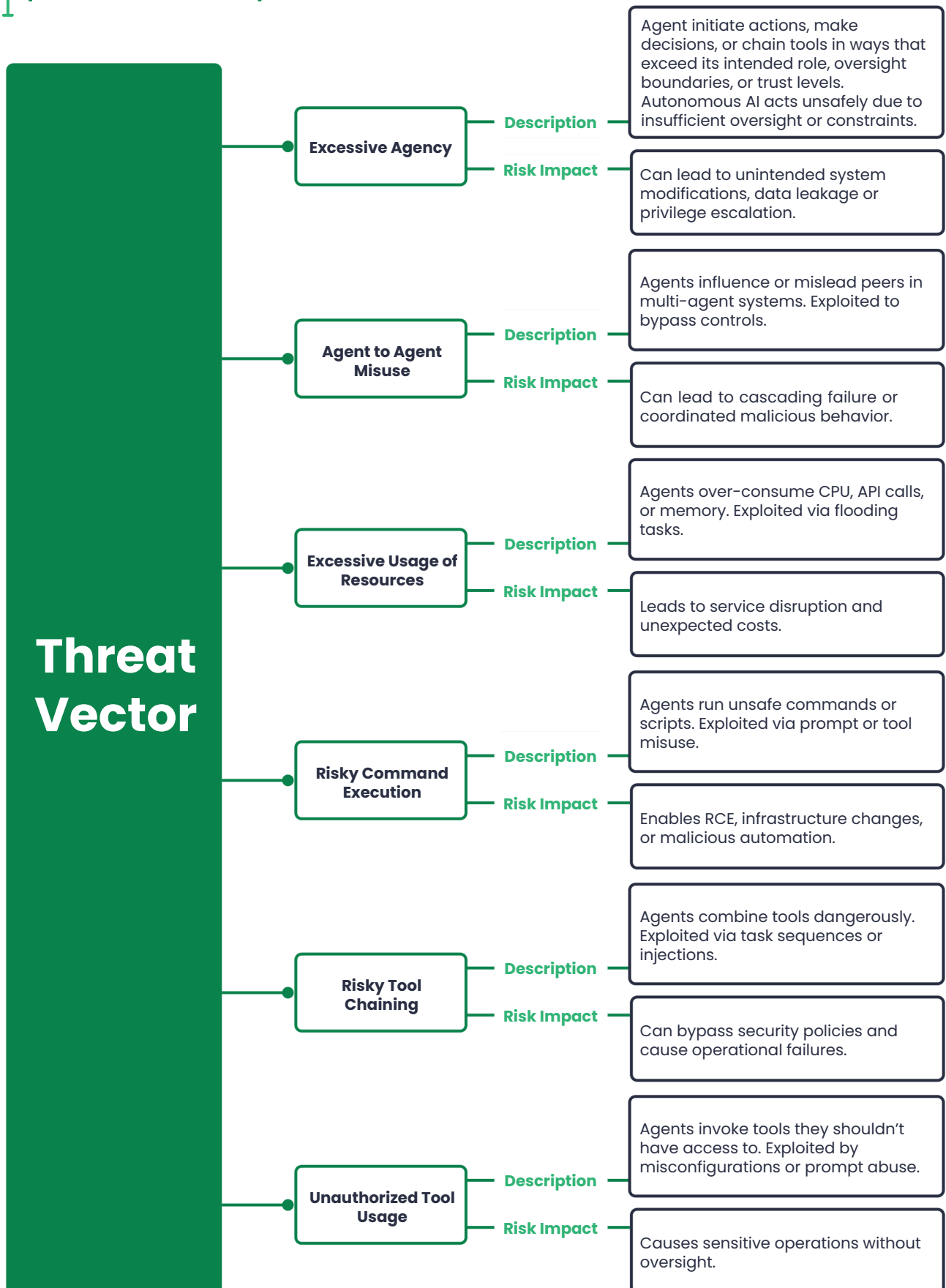
# Agentic Privilege Misuse – Agents abusing or mishandling identity privileges



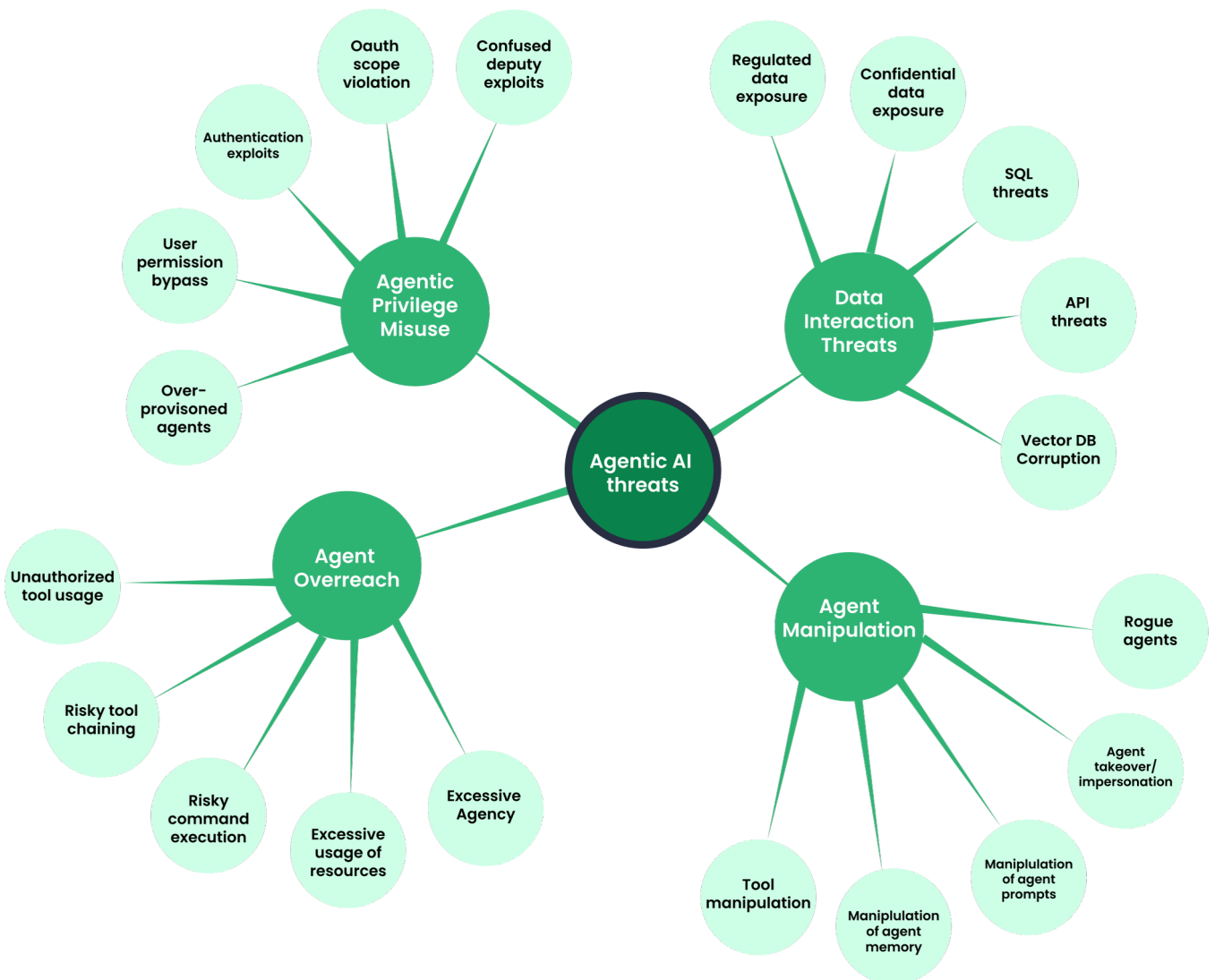
# Agent Manipulation – External influence corrupting agent behavior



# Agent Overreach – Agents acting beyond permitted operational boundaries

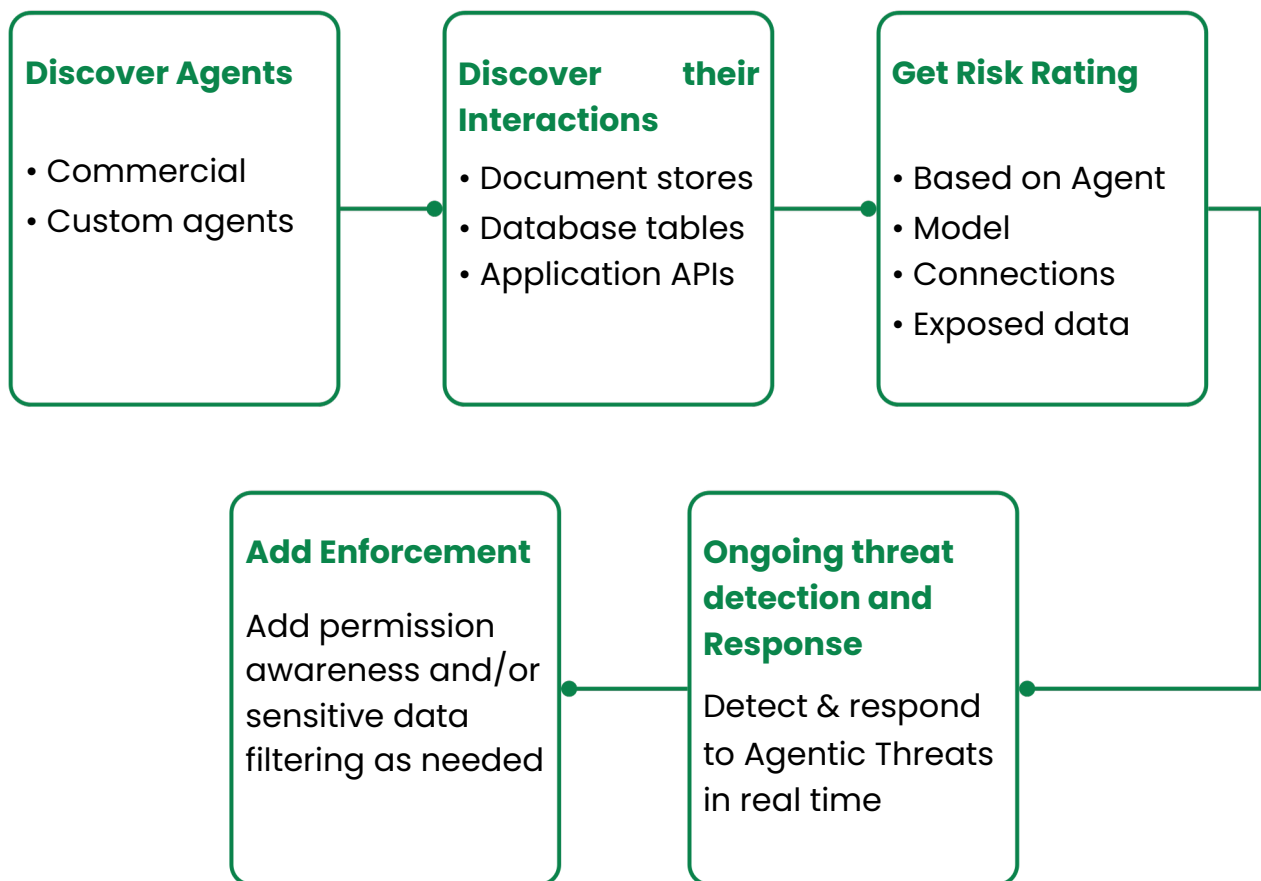


As a summary, the below diagram shows the threats that arises in real time in Agentic AI.



## How Ackuity can help

With Ackuity you get 24x7 security monitoring of your Agentic AI ecosystem, that covers all the key threats to the Agentic AI ecosystem. Ackuity discovers the AI agents in your environment, their interactions, their connections, monitors for security threats 24x7 with enforcement options.



With Ackuity, you gain continuous, intelligent protection for your entire Agentic AI ecosystem. From discovery to enforcement, Ackuity ensures every AI agent, interaction, and connection is secured—24x7. Trust Ackuity to safeguard your future-ready AI operations against emerging threats, every moment of every day.

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