

You Won't Believe How Splunk Built This Mind-Blowing Plugin for Microsoft Security Copilot

cisco Live !

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Splunk

Cisco Webex App

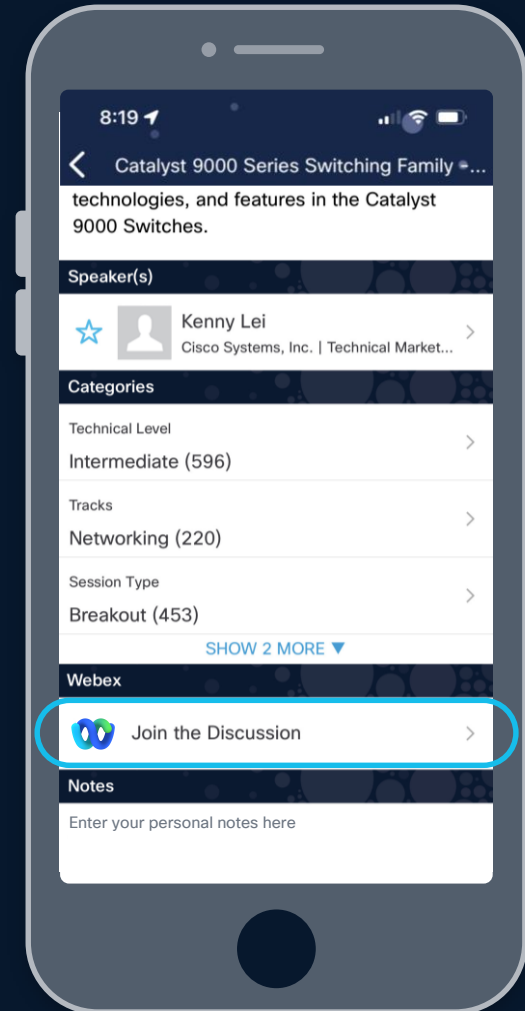
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

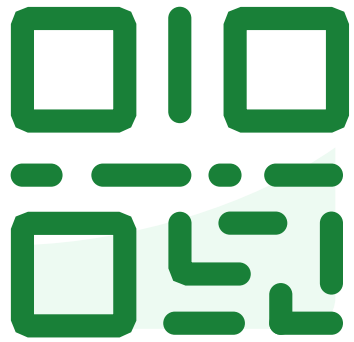
- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 13, 2025.




Poll Time

Do not edit
How to change the
design



**Join at slido.com
#DEVNET-2336**

 The Slido app must be installed on every computer you're presenting from

slido



How familiar are you with Splunk?

Agenda

- 01 Quick Splunk Overview
- 02 Why We Built This Plugin
- 03 How It Works
- 04 Demo
- 05 Conclusion

Quick Splunk Overview

Our Purpose is to build a safer
and more resilient digital world.

What the Splunk Platform Does



Get Data In

**Files, Scripts, APIs, Wire
OTLP, Code, Network,
Local, Remote, Data Lakes**



**Ask Questions
from Data**

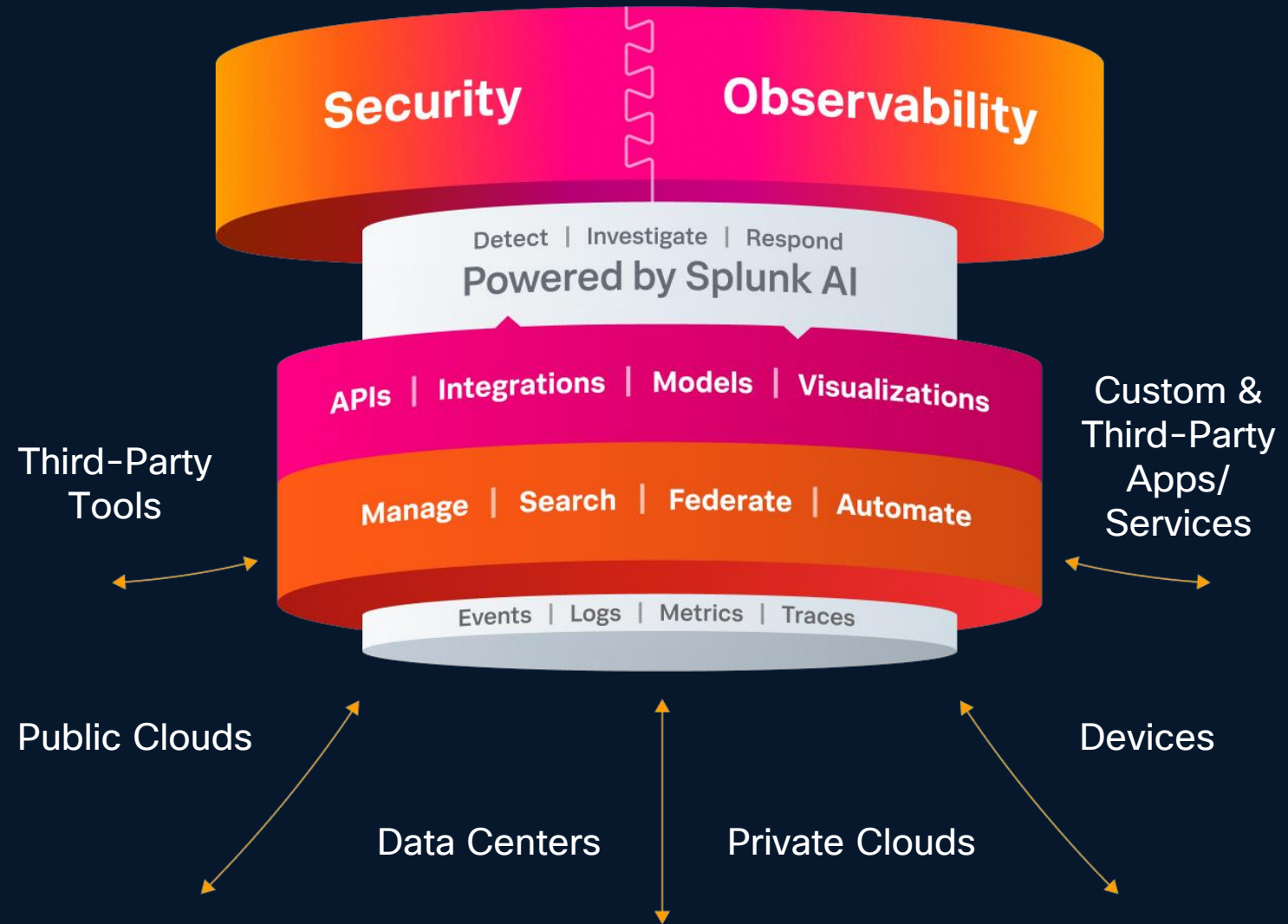
**Ad-Hoc, Dashboards, SPL
Feeds, Security,
Observability, Assurance**



**Take Action
on Data**

**Simple Actions,
Complex Workflows (SOAR),
3rd Party Systems**

Any Data
Any Question
Any Action



Why We Built This Plugin

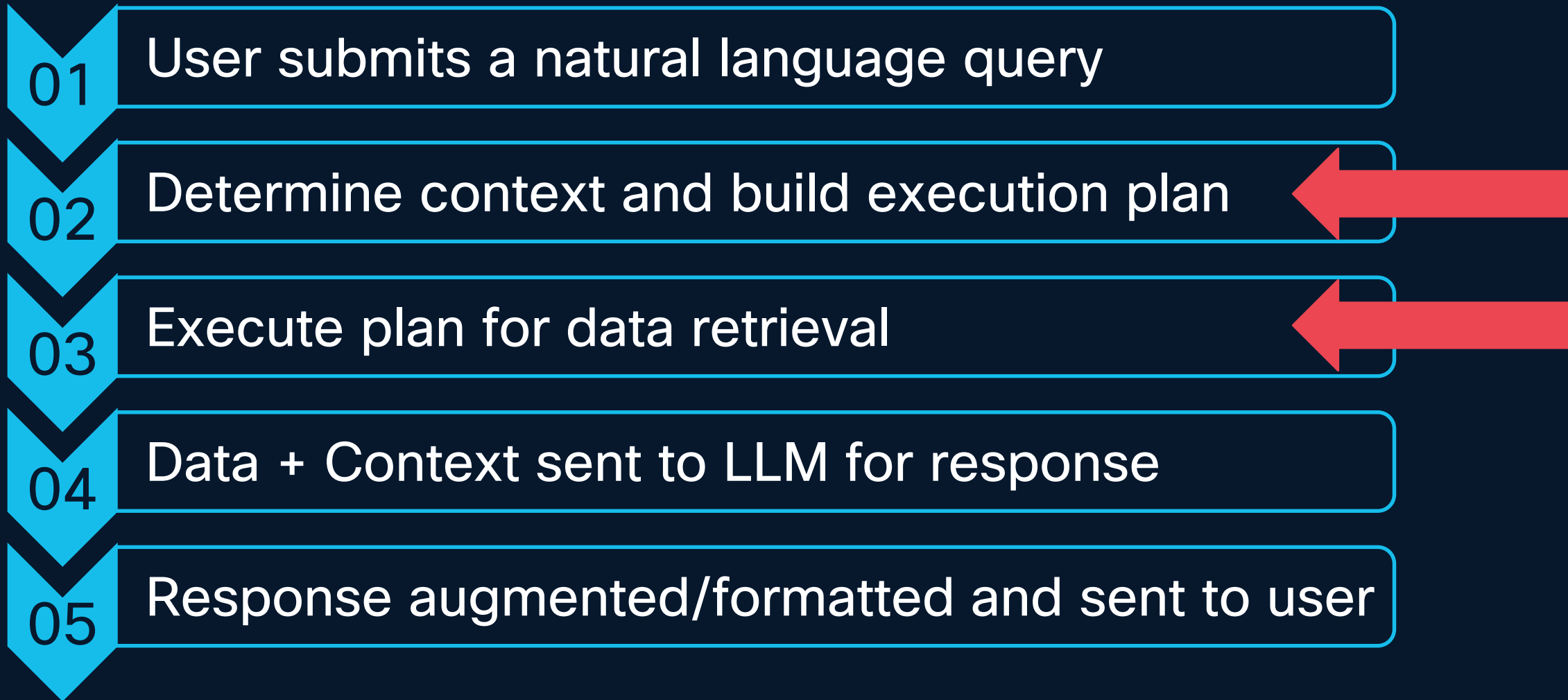
Why We Built This Plugin

- Meet Our Customers Where They Are
- Grow the Splunk/Microsoft Partnership

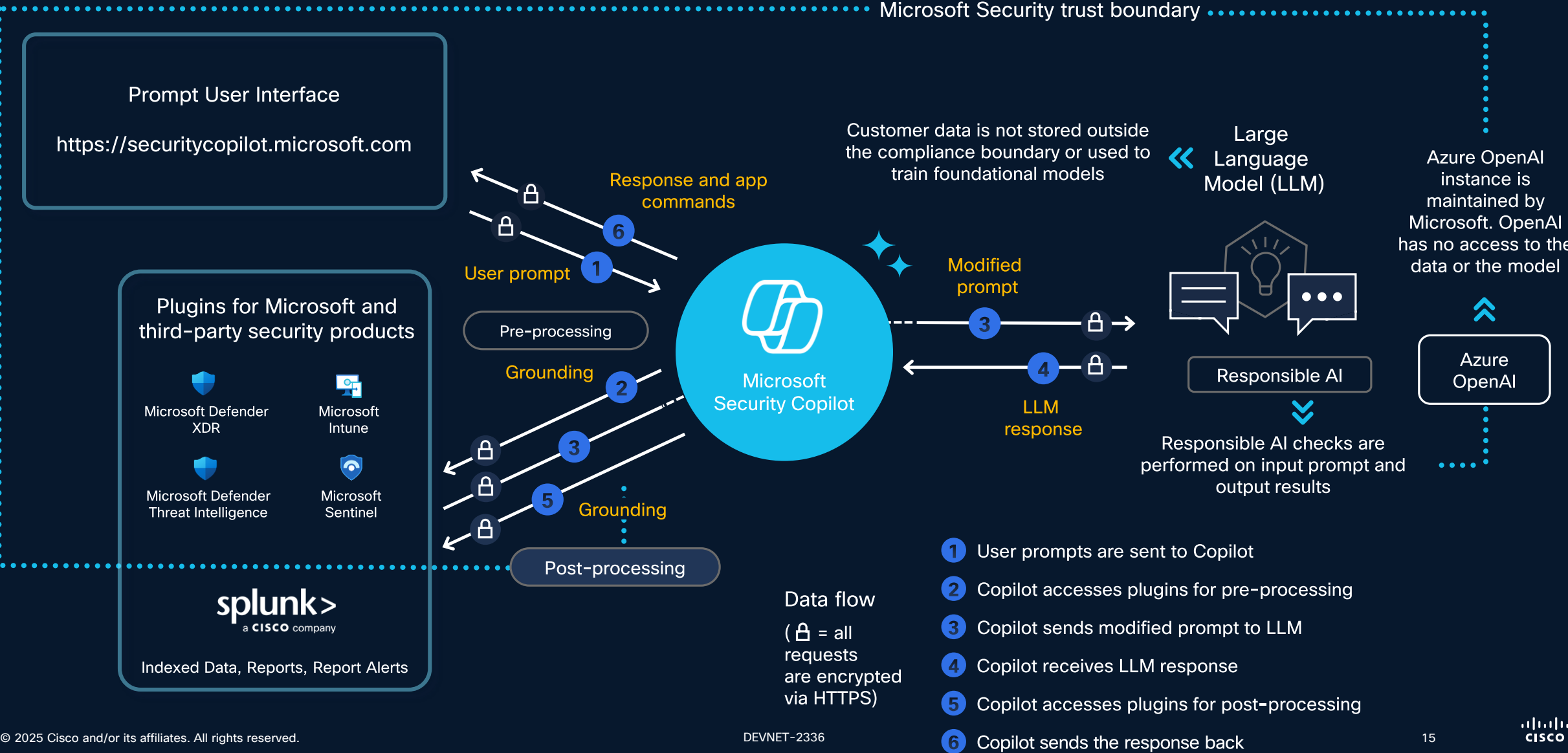


How It Works

Process Flow (Very Simplified)



Data Flow





Anatomy of a Plugin

Anatomy of a Plugin: Required Files



Plugin Version

- JSON format
- Named *pluginVersion.json*
- Contains plugin name, version number, and skills published.



Manifest

- JSON or YAML format
- Named *manifest.json* or *manifest.yaml*
- Description and SkillGroups sections
 - Configuration settings
 - Auth types
- ** Version number must match version number in plugin version file**

Anatomy of a Plugin: Required Files

pluginVersion.json

```
1  {
2    "Name": "Splunk",
3    "Skills": [
4      {
5        "Name": "Create a Search Job",
6        "Path": "/services/search/v2/jobs"
7      },
8      {
9        "Name": "Get Search Job Results",
10       "Path": "/services/search/v2/jobs/{sid}/results"
11      },
12      {
13        "Name": "Get Fired Alerts",
14        "Path": "/services/alerts/fired_alerts"
15      },
16      {
17        "Name": "Get Fired Alert Details",
18        "Path": "/services/alerts/fired_alerts/{name}"
19      },
20      {
21        "Name": "Get Saved Searches",
22        "Path": "/services/saved/searches"
23      },
24      {
25        "Name": "Create Saved Search",
26        "Path": "/services/saved/searches"
27      },
28      {
29        "Name": "Dispatch a Saved Search",
30        "Path": "/services/saved/searches/{name}/dispatch"
31      }
32    ],
33    "Version": "1.0.2"
34  }
```

manifest.yaml

```
1  Descriptor:
2    Name: Splunk
3    DisplayName: Splunk Plugin for Microsoft Security Copilot
4    DescriptionDisplay: The API plugin to access indexed data from an installation of Splunk.
5    DescriptionForModel: The API plugin to access indexed data from an installation of Splunk.
6    Description: |
7      This plugin allows a user to make calls to the Splunk REST API. It is intended for the following uses:
8      - Running basic ad-hoc searches (both normal and one-shot searches) on data sets indexed by Splunk.
9      - Creating, retrieving, and dispatching saved searches from Splunk.
10     - Retrieving and viewing information about fired alerts from saved searches in Splunk.
11     - Getting information on currently running search jobs in Splunk.
12  Version: 1.0.2
13  Category: Other
14  PublishStatus: Public
15  Icon: https://www.splunk.com/content/dam/splunk2/images/icons/favicons/favicon-196x196.png
16  Settings:
17    - Name: SplunkInstanceUrl
18      Label: Splunk Instance API URL
19      Description: The URL (including port number) of your Splunk instance to reach the REST API
20      HintText: e.g., https://<splunk-instance-name>.splunkcloud.com:8089
21      SettingType: String
22      Required: true
23  SupportedAuthTypes:
24    - ApiKey
25    - Basic
26  Authorization:
27    Type: ApiKey
28    Key: Authorization
29    Location: Header
30    AuthScheme: Bearer
31  SkillGroups:
32    - Format: API
33      Settings:
34        OpenApiSpecUrl: https://splunkpartnereng.blob.core.windows.net/security-copilot/openapi-spec/splunk-web-api.yaml
35        EndpointUrlSettingName: SplunkInstanceUrl
36
```

Anatomy of a Plugin: Skill Group Types

Subtitle placeholder

Type	Skill Group Description
KQL	Uses KQL to access specific data stored in Defender / Sentinel / Log Analytics / other Kusto endpoint
<u>API</u>	Interfaces with an API endpoint for data retrieval
GPT	Bases skills on GPT prompt templates – uses GPT 4o model

Anatomy of a Plugin: API Plugins

- Based on OpenAPI specification
- Description should also include sample prompts
- #ExamplePrompts

```
2  info:
3    title: Splunk REST APIs
4    description: An OpenAPI specification for Splunk REST APIs
5    version: v1
6
7  paths:
8    /services/search/v2/jobs/{sid}/results:
9      get:
10         operationId: GetSplunkSearchJobResults
11         description: |
12           Get Splunk search results for a search job.
13           This either requires a search job be previously kicked off or explicitly specifying the search job ID.
14           #ExamplePrompts Get the results for the search job 20240213.0001
15           #ExamplePrompts What are the search job results
16         parameters:
17           - name: sid
18             in: path
19             required: true
20             description: search job ID
21             schema:
22               type: string
23           - name: output_mode
24             in: query
25             required: false
26             description: response data format
27             schema:
28               type: string
29         responses:
30           '200':
31             description: Success
32             content:
33               application/json:
34                 schema:
35                   type: array
36                   items:
37                     $ref: '#/components/schemas/generalSplunkResponse'
38     /services/search/v2/jobs:
39       get:
40         operationId: GetSplunkSearchJobs
41         description: |
42           Get details of all current searches.
43           #ExamplePrompts Get all of my current search jobs in Splunk.
44           #ExamplePrompts Get my current search jobs in Splunk with more than 10 events.
45           #ExamplePrompts Get details for the search with Job ID 20240213.0001 from Splunk.
46         parameters:
47           - name: output_mode
48             in: query
49             required: false
50             description: response data format
51             schema:
```




Let's Look at Code

Demo

Scan to See a Demo

<https://app.vidcast.io/playlists/1a4bda3e-908c-42b9-a75b-7abaf0c8e763>



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Thank you

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