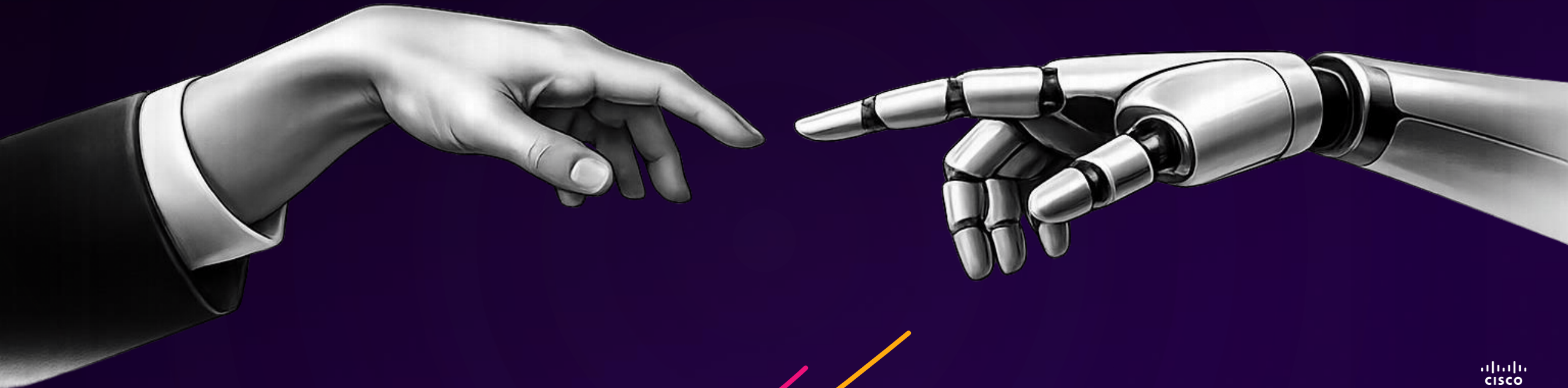


KI & LLMs für den öffentlichen Sektor

Kai Seidenschnur



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Was gibt es Out of the Box?

Splunk AI

ML-Based detections in Splunk Enterprise Security

AI Assistant in Splunk Enterprise Security

Behavioral analytics with Splunk UEBA

Assistive Intelligence Experience

Customizable ML

AI Assistant for SPL

Anomaly Detection

AI
Toolkit

Data Science and Deep Learning

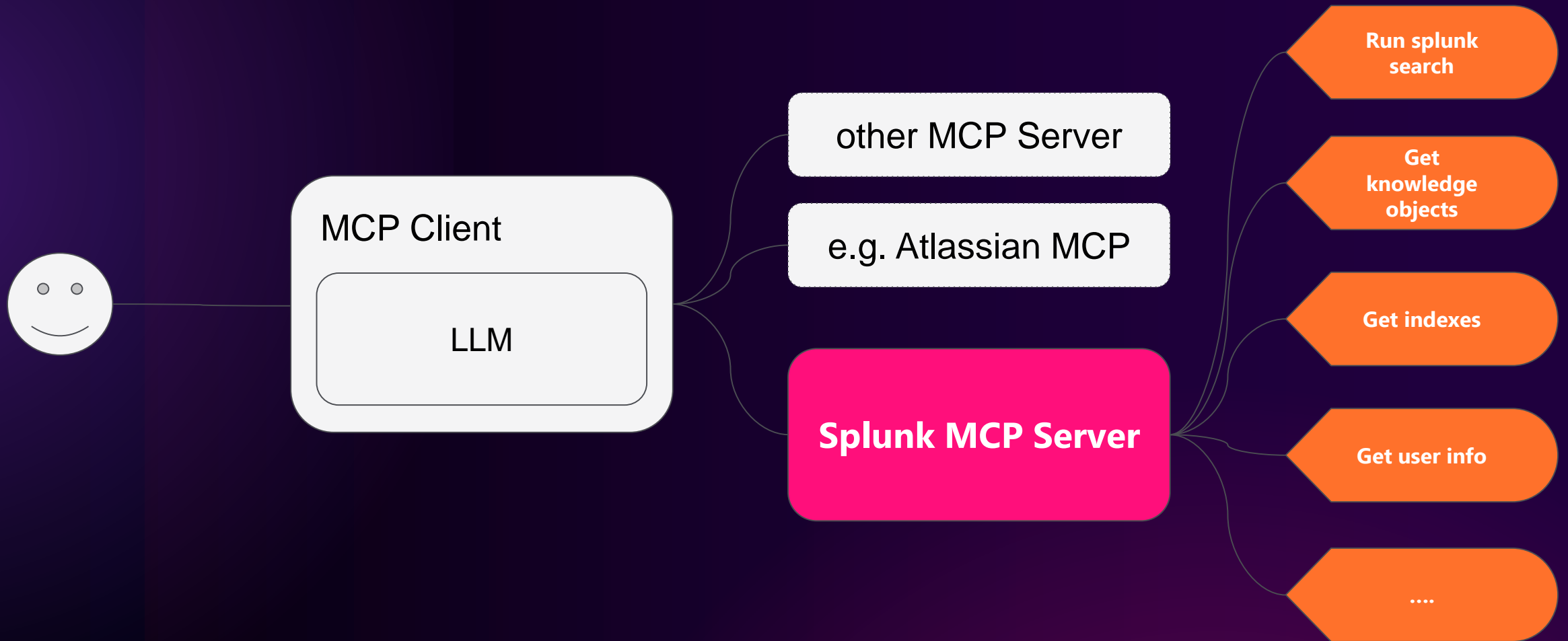
Splunk Platform

LLM Extensions via MCP

Accelerating the SOC of the future

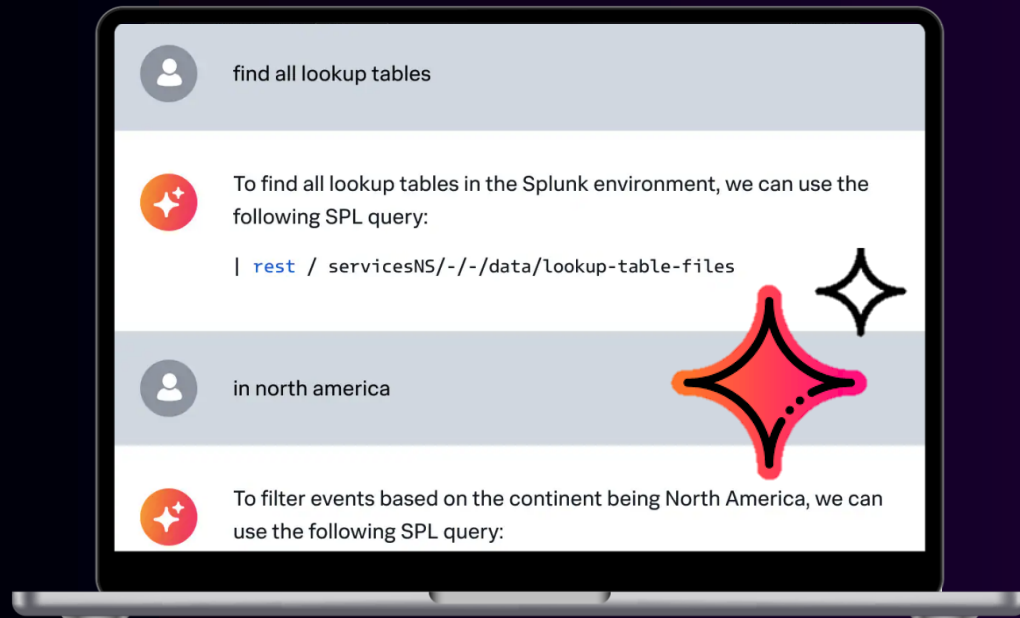
Extending Splunk with LLMs via MCP

MCP

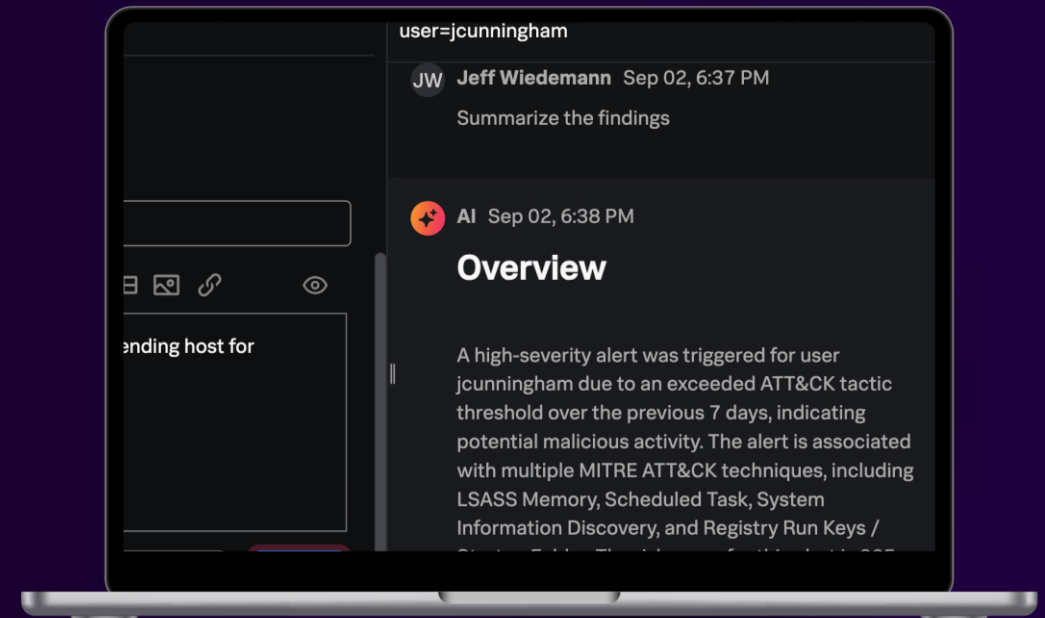


Splunk AI Assistants

Empowering Security Analysts with Built-in AI



AI Assistant for SPL



AI Assistant for Enterprise Security

Splunk AI Toolkit

Das "AI" Kommando direkt in der Suche verwenden

- Mit Cloud Provider verbinden
- mit lokalem Provider z.B.: Ollama

The screenshot shows the 'Set up new connection' dialog in the Splunk AI Toolkit. It is titled '< Set up new connection' and has 'Cancel', 'Test Connection', and 'Save' buttons. The dialog is divided into two main sections: 'Selects the connection type' and 'Input connection details'. In the first section, there is a 'Connection name' text input field, a 'Connection Type' dropdown menu set to 'LLM', and a 'Provider' dropdown menu set to 'Ollama'. The second section, 'Input connection details', contains fields for 'Endpoint' (http://localhost:11434/), 'Access Token', 'Request Timeout' (200), and 'Select Model' (a dropdown menu with '--Select--'). A sidebar on the right provides links for 'What connections does AI Toolkit support?', 'LLM connections', and 'Container connections'.

The screenshot shows the Splunk Search interface. The search bar contains the following query: `| tstats count WHERE index=_internal BY _time span=5m | stats list(count) as counts | ai prompt="please help me identify outliers in these numeric values, explaining your logic and any calculations performed: {counts}"`. The interface includes a 'New Search' button, a 'Convert to SPL2' button, and a 'Close' button. The search results area shows 'No Event Sampling' and 'Smart Mode' options. The top navigation bar includes 'splunk>enterprise', 'Apps', 'Administrator', 'Messages', 'Settings', 'Activity', 'Help', and 'Find'.

Ok, ich kann das auch mit lokalen Modellen machen.

Aber, brauche ich dafür nicht teure Hardware?

Cisco launches Foundation-Sec-8B: Open-Source AI Model for Cybersecurity

Cisco's Foundation AI team has introduced Foundation-Sec-8B, an open-weight, 8-billion parameter Large Language Model (LLM) tailored for cybersecurity applications

- Purpose-Built for Security: Trained on a curated dataset comprising vulnerability databases (e.g., CVEs, CWEs), threat intelligence reports, red team playbooks, and security tooling documentation
- High Performance: Outperforms larger models like Llama 3.1 70B on cybersecurity benchmarks such as CTI-MCQA and CTI-RCM.
- Versatile Applications: Supports tasks including SOC acceleration, proactive threat defense, engineering enablement, and more.
- Open and Accessible: Available under the Apache 2.0 license on Hugging Face

Model Access: [Hugging Face Repository](#)



Foundation-Sec-8B

Modell	Größe	Eigenschaften
Foundation-Sec-8B	~16 GB	Original, Base Model
Foundation-Sec-8B-Q8_0-GGUF	~8.5 GB	Hohe Qualität, GGUF
Foundation-Sec-1.1-8B-Instruct-Q8_0-GGUF	~8.5 GB	Version 1.1, verbessert
Foundation-Sec-8B-Q4_K_M-GGUF	~4.7 GB	Kompakt, gute Balance

Minimalistisch mit LM Studio

DEMO

Enterprise ready LibreChat + Ollama

Architektur

Q&A

THANK YOU