Cisco TechClub

Lokální edukační on-line webináře každých 14 dní

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Webex Space

The bridge to possible

Powered By Cisco AI

Jaroslav Martan

21. Oct 2025

One Cisco: Power AI. Empower people.

AI-Ready Data Centers

Transform data centers to power AI workloads anywhere

Future-Proofed Workplaces

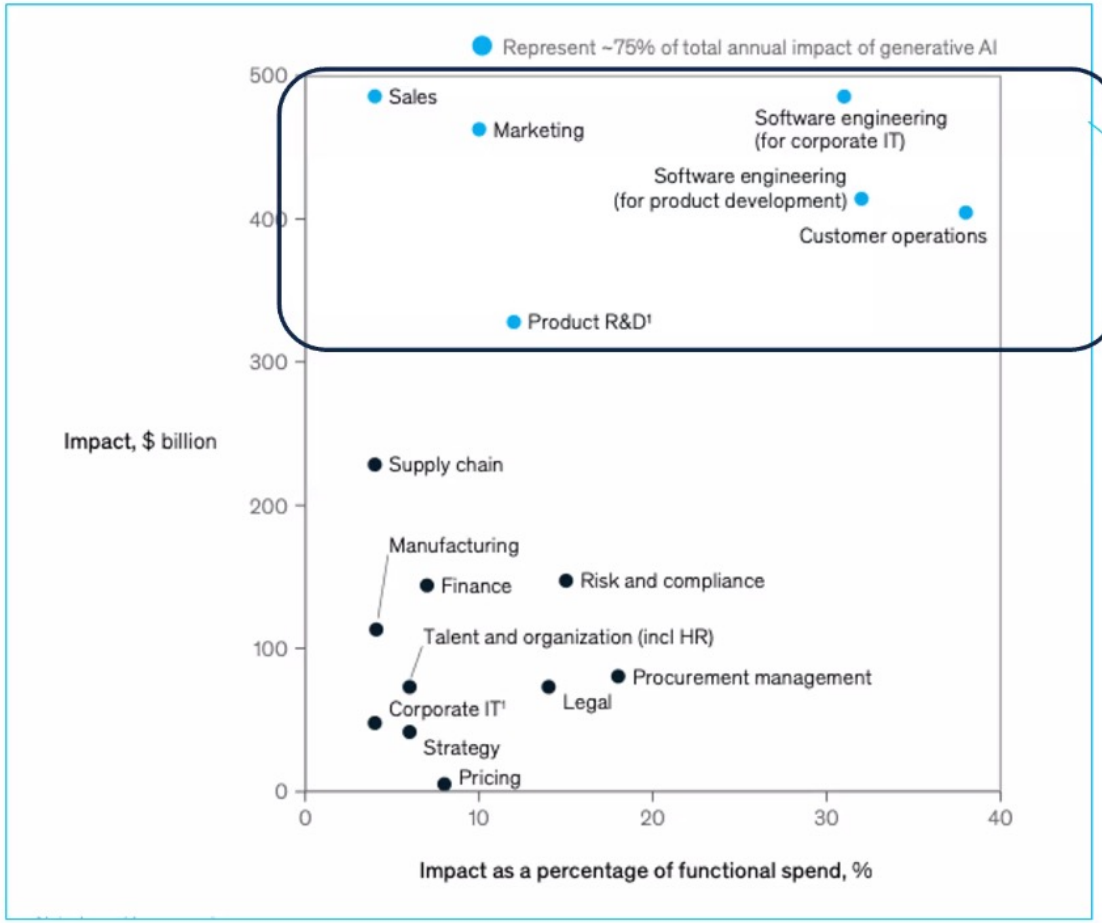
Modernize everywhere people work and serve customers

Digital Resilience

Game-changing security, assurance, and observability across the entire digital footprint

ACCELERATED BY CISCO AI

AI – Value Potential by Function

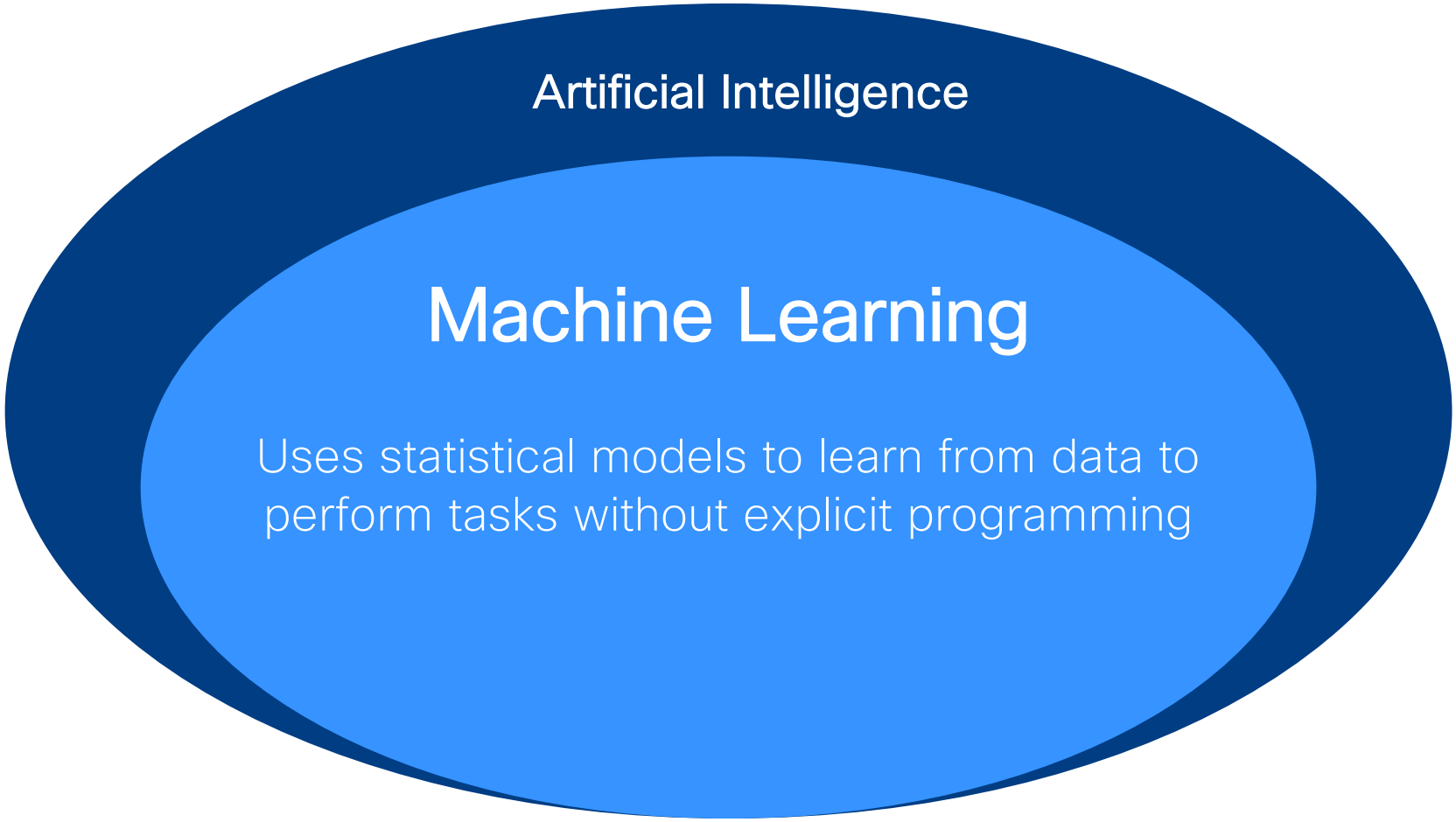


Four (out of 16) business functions could account for ~ 75% of the total annual value generated by AI:

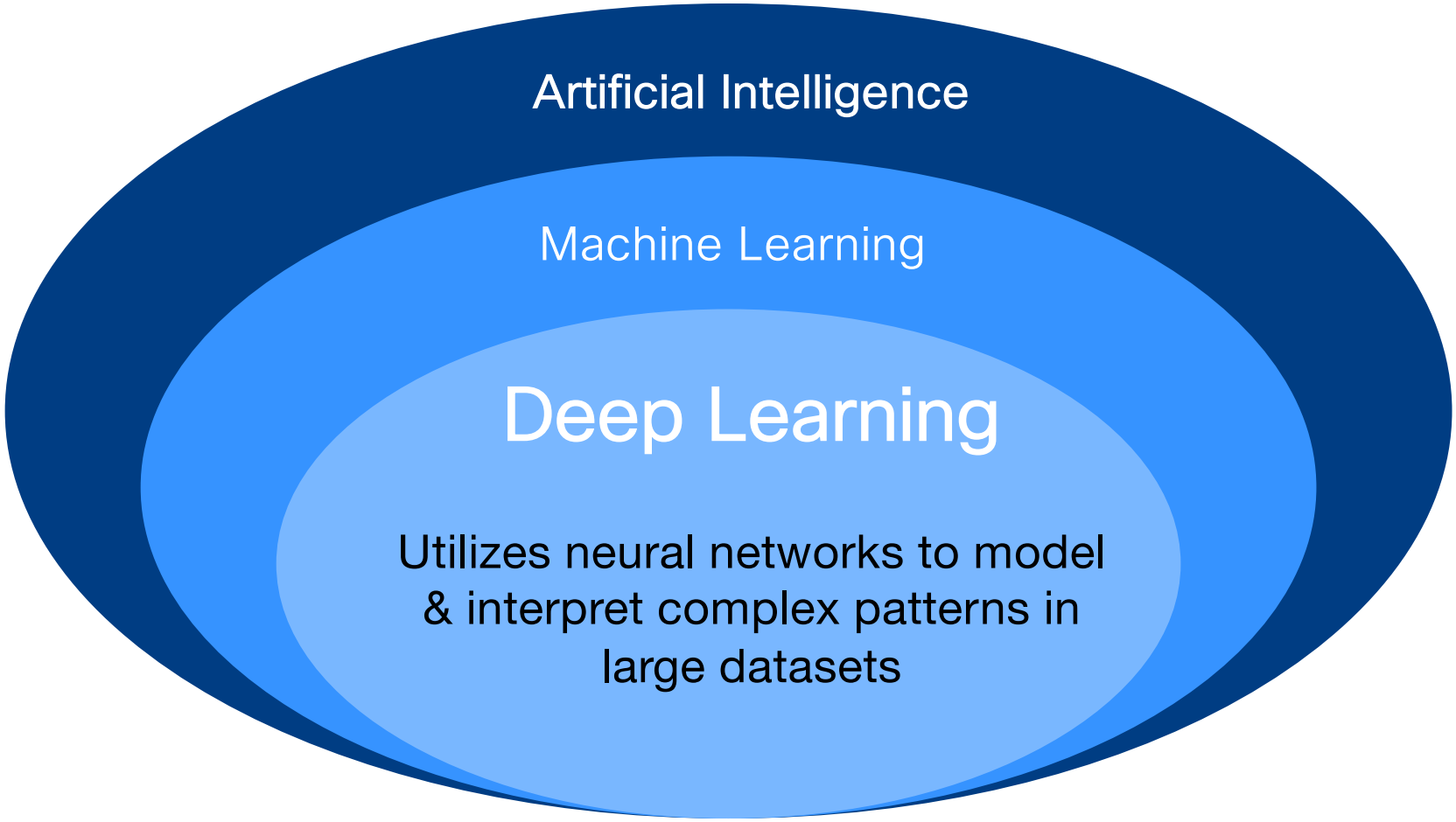
- Software Engineering (Corporate IT, Product development)
- Customer operations
- Marketing and Sales
- R&D

Source: McKinsey: The Economic Potential of Generative AI (2023).

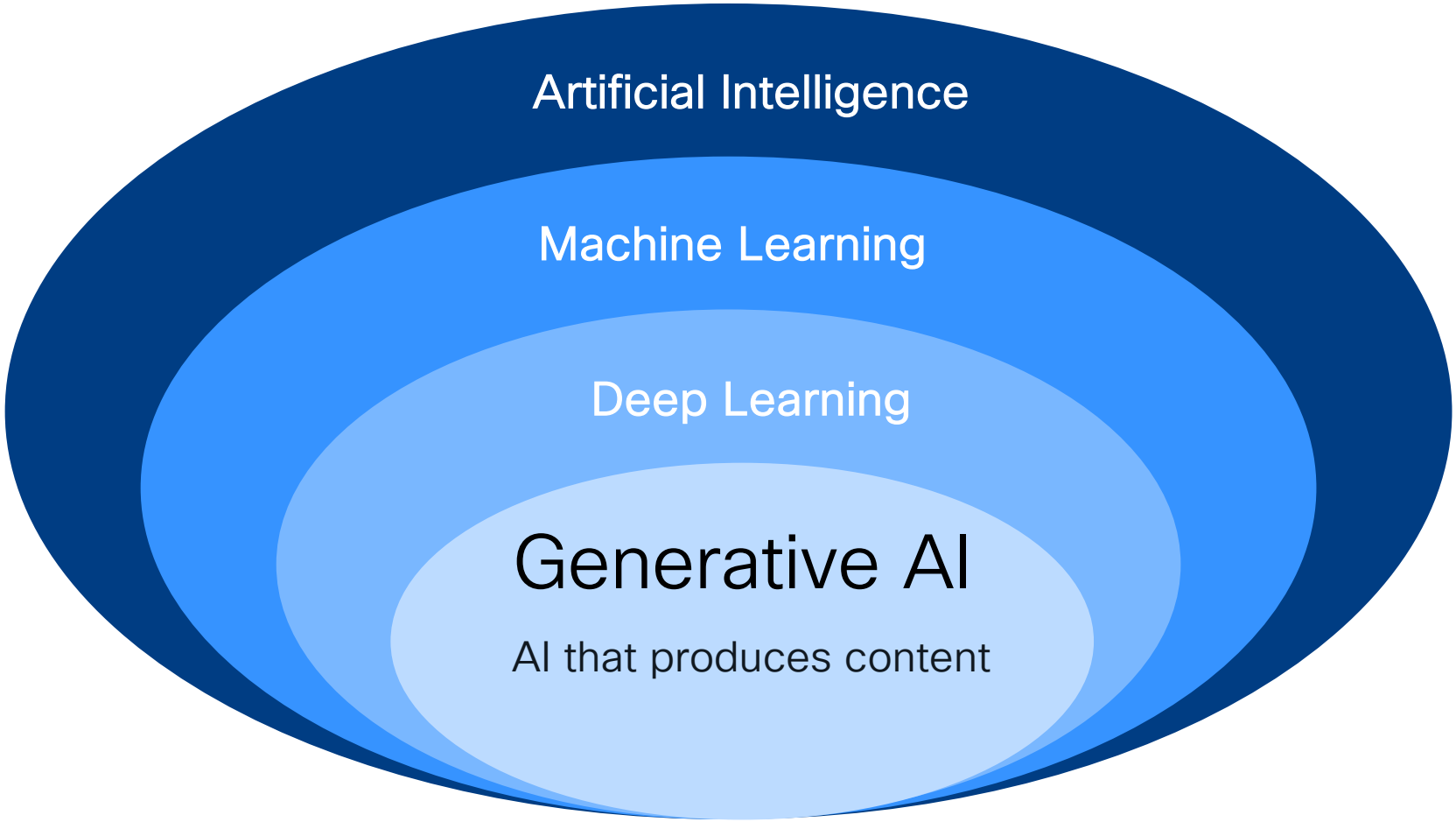
The Breakdown of Artificial Intelligence



The Breakdown of Artificial Intelligence



The Breakdown of Artificial Intelligence



Obsah

Infrastruktura pro AI

Leading trends impacting technology investment

Repatriation

Enterprises repatriating some workloads from the public cloud back on-prem

Gen AI Agents

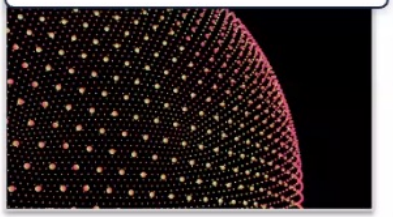
Proliferation of Gen AI and assistant use cases, driving workflow automation

Inference

Advanced computing is driving energy consumption; AI inferencing drives compute to local and edge networks.

Connectivity

WiFi7, satellite and fiber adoption are complicating network connectivity and orchestration



Risks

Increased cyber security threats are necessitating more proactive security measures and protocols

Impacted areas

- Data Center
- Service Provider
- Campus & Branch
- Decision Makers

Compute AI portfolio

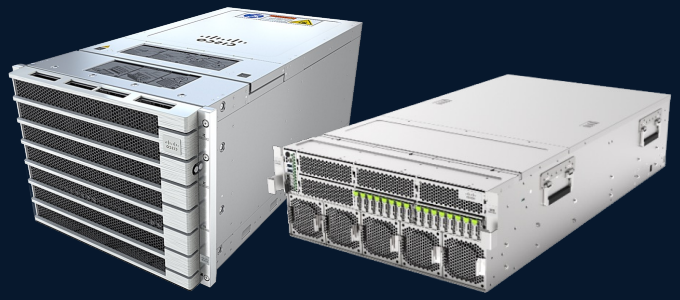
Address AI workloads with visibility, consistency, and control

Validated solutions for AI with compute, network, storage, and software

Build the model
Training

Optimize the model
Fine-tuning and RAG

Use the model
Inferencing



UCS Dense GPU Servers

UCS Blade (w/GPU Expansion) and Rack

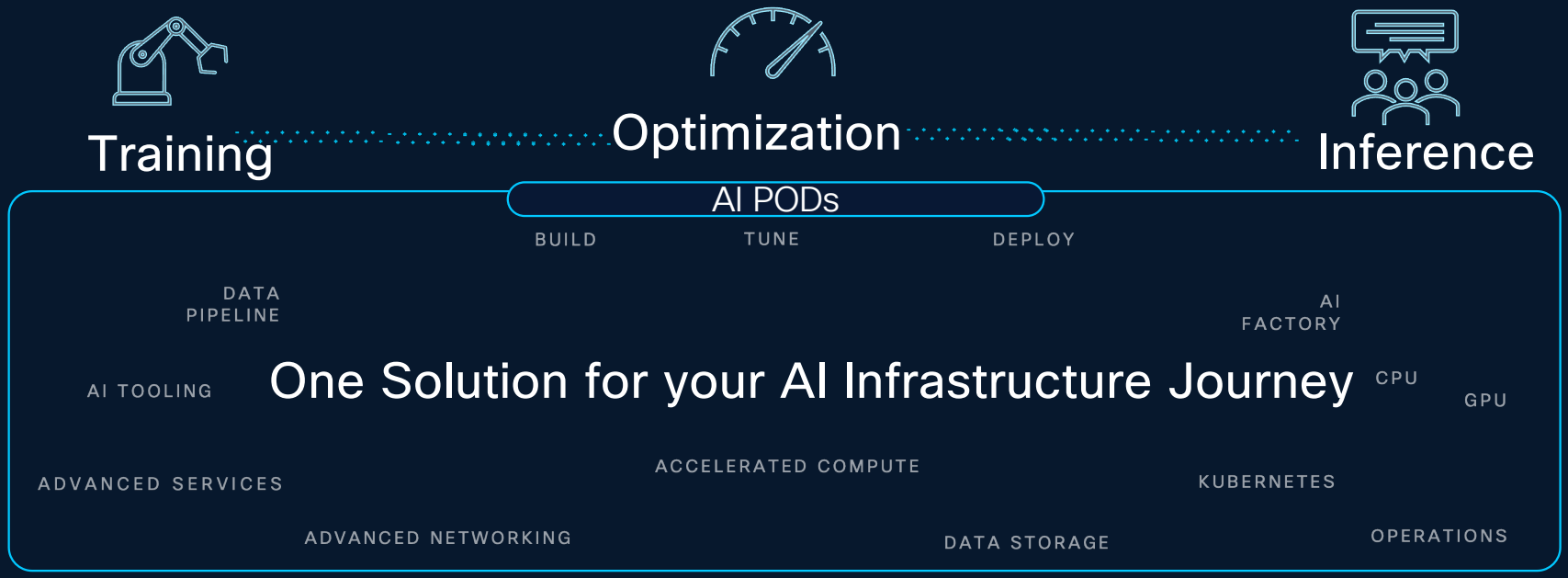
Enterprise AI Edge

Dense compute for demanding AI

Full stack AI with compute and networking

Introducing: Cisco AI PODs

A scalable architecture, built to support any AI workload simply & efficiently



Cisco AI PODs

A scalable architecture, built to support any AI workload simply & efficiently

Deploy AI with confidence

Cisco CVD, NVIDIA ERA

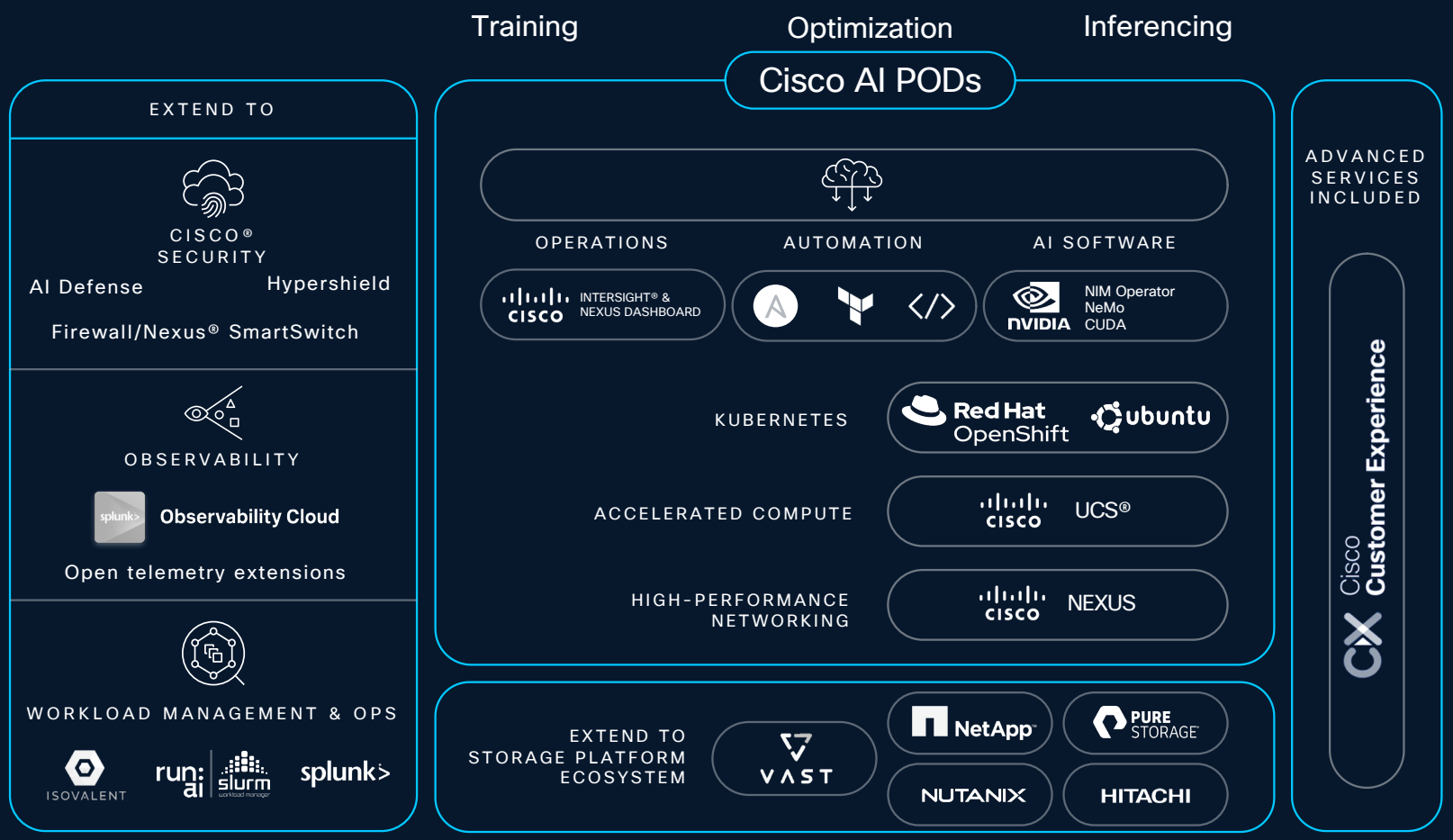
Fully supported stack including Cisco and 3rd party components

Cisco CX Success Track

Orderable, use case driven AI-Ready infrastructure stacks

Inferencing.
Optimization.
Training.

Incremental, atomic-level –or- fabric-based cluster scale



Bezpečnost AI

Cisco AI Defense

AI Security Journey

Safely enable generative AI across your organization

Discovery

Uncover shadow AI workloads, apps, models, and data.

Detection

Test for AI risk, vulnerabilities, and adversarial attacks

Protection

Place guardrails and access policies to secure data and defend against runtime threats.

The AI Defense Solution

AI asistenti pro administrátory

AI Assistants Have “Skills”, Not Features

AI Skills

- **Definition:** Any action that a Cisco AI Assistant can performance.
- **Skills:** Troubleshooting, configuration, recommendations, etc.

AI Assistant Platform

Individual AI Assistants Are Integrated Across Cisco

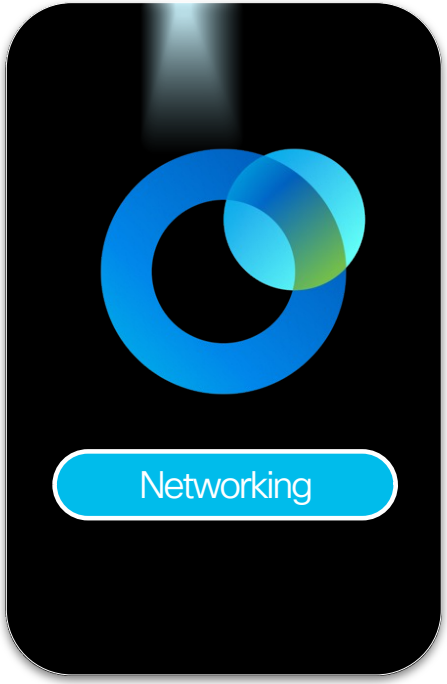
Security	Firewall, Secure Access, XDR, Hypershield, Duo
Networking	Meraki, Catalyst Center, ISE, Catalyst SD-WAN
Observability	Splunk Enterprise Security, Splunk Observability, Splunk Enterprise
Collaboration	Webex Meeting, Webex Teams, Webex Control Hub

Cisco Networking AI Assistant Skills

Documentation Summarization
Summarize key documentation and best practices for quick guidance.

Troubleshooting
Diagnose issues and recommend solutions based on network data.

Impact Analysis & Optimization
sess impacts of changes and optimize for efficiency.



Network Visibility
Monitor real-time and historical network health and performance.

Configuration & Migration
Assist with feature setup and migration readiness.

Support & Case Management
Streamline TAC support and automate case management tasks.

Cisco Firewall AI Assistant Skills

GA

Documentation Summarization
Search Cisco's product docs for clear, actionable, and simplified insights

Policy Rule Creation
Create policies with natural language

Ticketing Integration with CX
Enables TAC case creation and modification

Policy Insights
Enables quick discovery of policies with fast, rich data responses on-demand

Policy Analysis & Optimization
Proactively discover and remediate policy misconfigurations and anomalies

AIOps Integration
Insights into firewall traffic, configuration, capacity to enhance security posture.

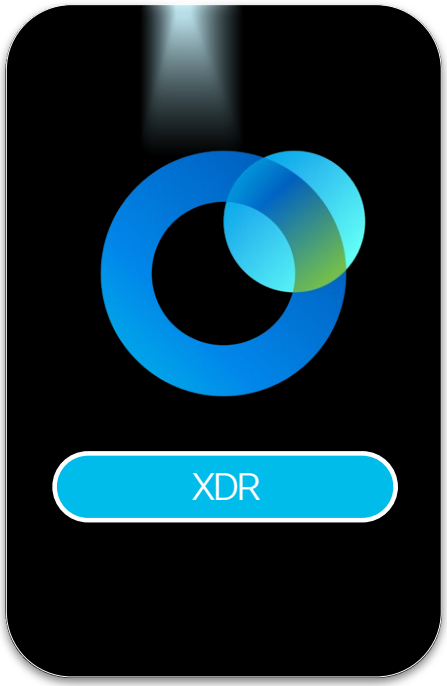
Cisco XDR AI Assistant Skills

Public Preview

Documentation Summarization
Provides concise incident summary to enable quick understanding of an ongoing incident.

Respond and Remediate
Automate response actions, create Webex War rooms, and generate incident reports

AI-Generated Notes
Automatic generation of incident investigation notes of manual actions for XDR audit logs



Explain and Recommend
Provides recommendations to remediate incidents, thereby reducing response times

Interpret Incidents
Ask natural language questions to rapidly understand an ongoing incident

Preemptive Detection & Response
Augment attack chain detection in XDR with recommended response actions

Improve alert fidelity | XDR + AI Assistant

Deliver risk- and impact-based prioritizations with **threat correlation**

Investigate, prioritize, respond, and recover **from one console**

Command every response and action with **AI-driven automation**

Get confident verdict with **cross-domain telemetry** and **threat intelligence enrichment**

AgenticOps - Agntcy

AgenticOps

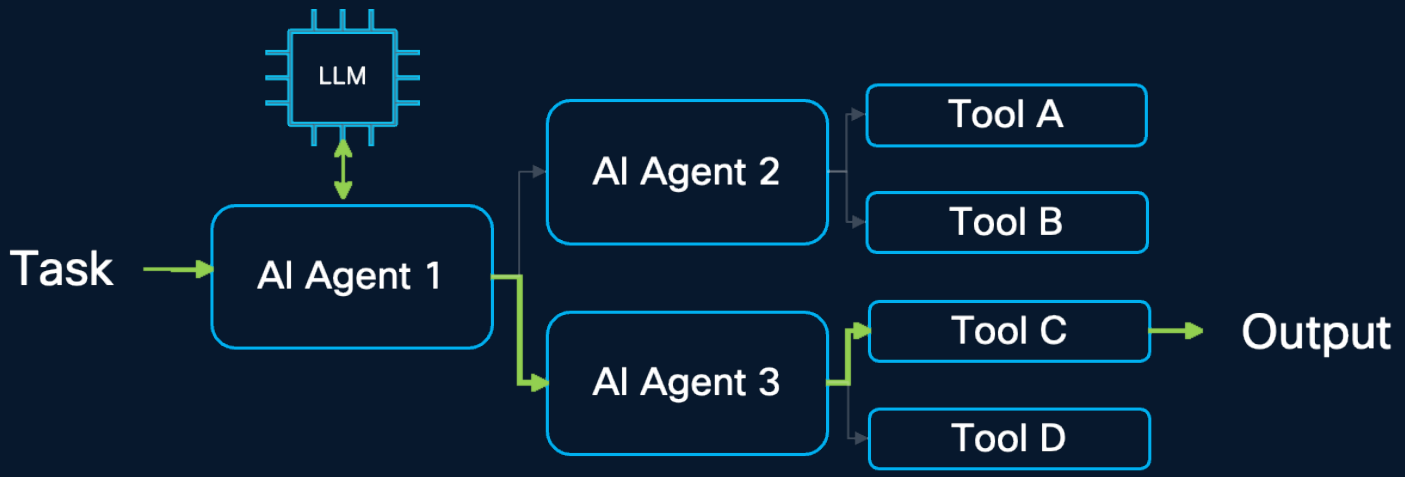
Cross-domain | Multiplayer | Purpose-built models

Agents Empower LLMs to Solve Real-World Problems

AI Agents reason on problems and use tools to solve them

AI Agent Experience

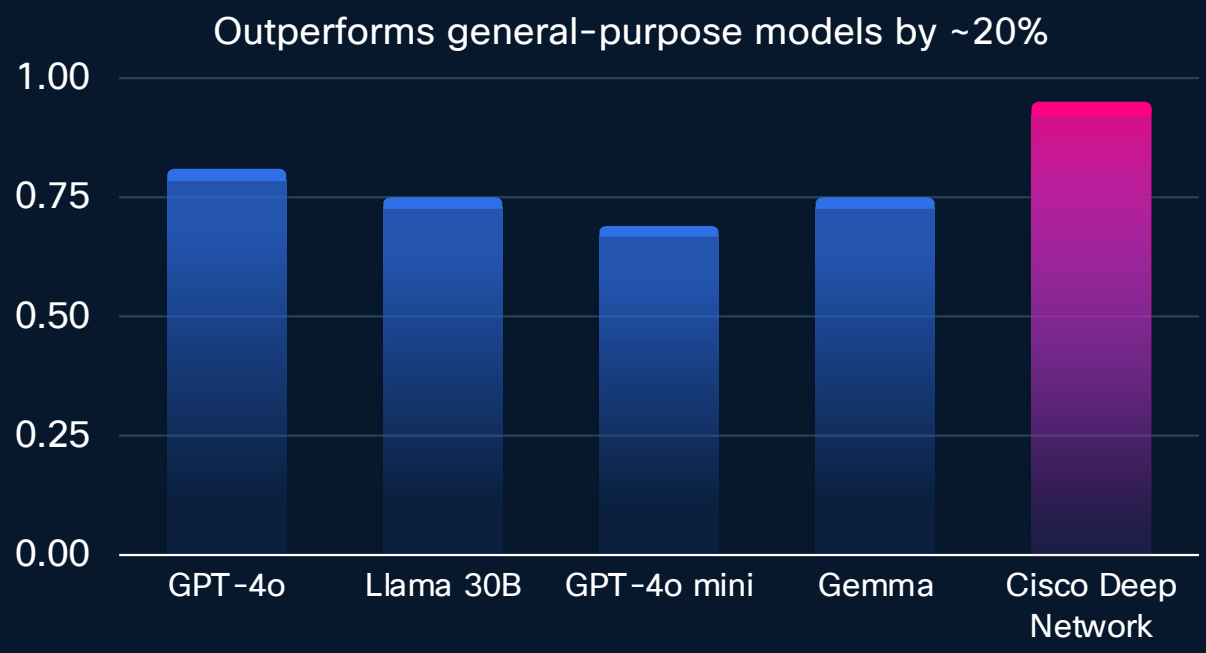
Agents LLMs, and Tools



Deep Network Model

Purpose-built for networking, expert accuracy

- More precise reasoning for troubleshooting, configuration, and automation
- Fine-tuned on 40+ years of expertise and expert-vetted for accuracy
- Evolves with live telemetry and real-world Cisco TAC and CX insights



Accuracy on CCIE-style multiple choice questions (590-question benchmark), May 2025

Capabilities

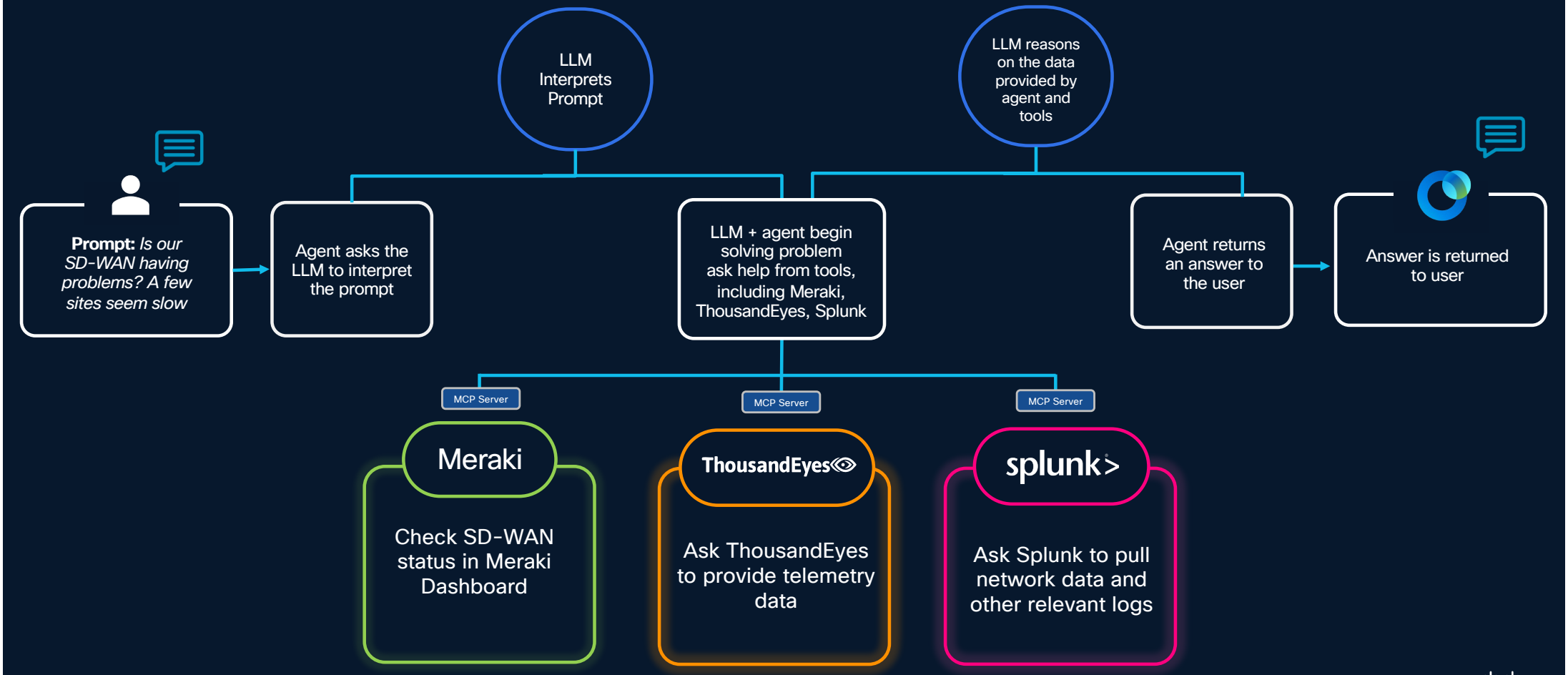
Reason & plan

Chooses Agents & Tools

Adapt & Recover

Execute Autonomously

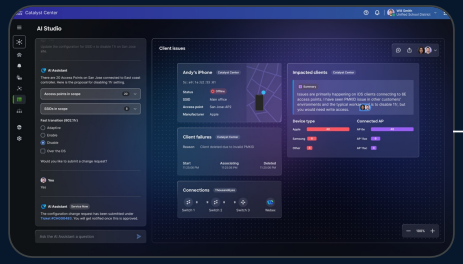
An Agentic Ops Example



Agentic Ops Across IT and SecOps

AI Assistant

AI Canvas



Campus and Branch

Catalyst Center
Topology, client details, location, etc.

webex
Voice and video experience

Cisco Meraki
Topology, client details, location, etc.

ThousandEyes
WAN, Internet, App Insights

SD-WAN
WAN Details

Identity Intelligence
User trust level, identity checks & reasons

Data Center

Nexus Dashboard
Data center network management.

Hyperfabric
Data center network management.

Intersight
Unified management, automation, security.

Security and Observability

splunk>
Cisco and third-party insights

Firewall
Security & connection events

ISE
Authentication Insights

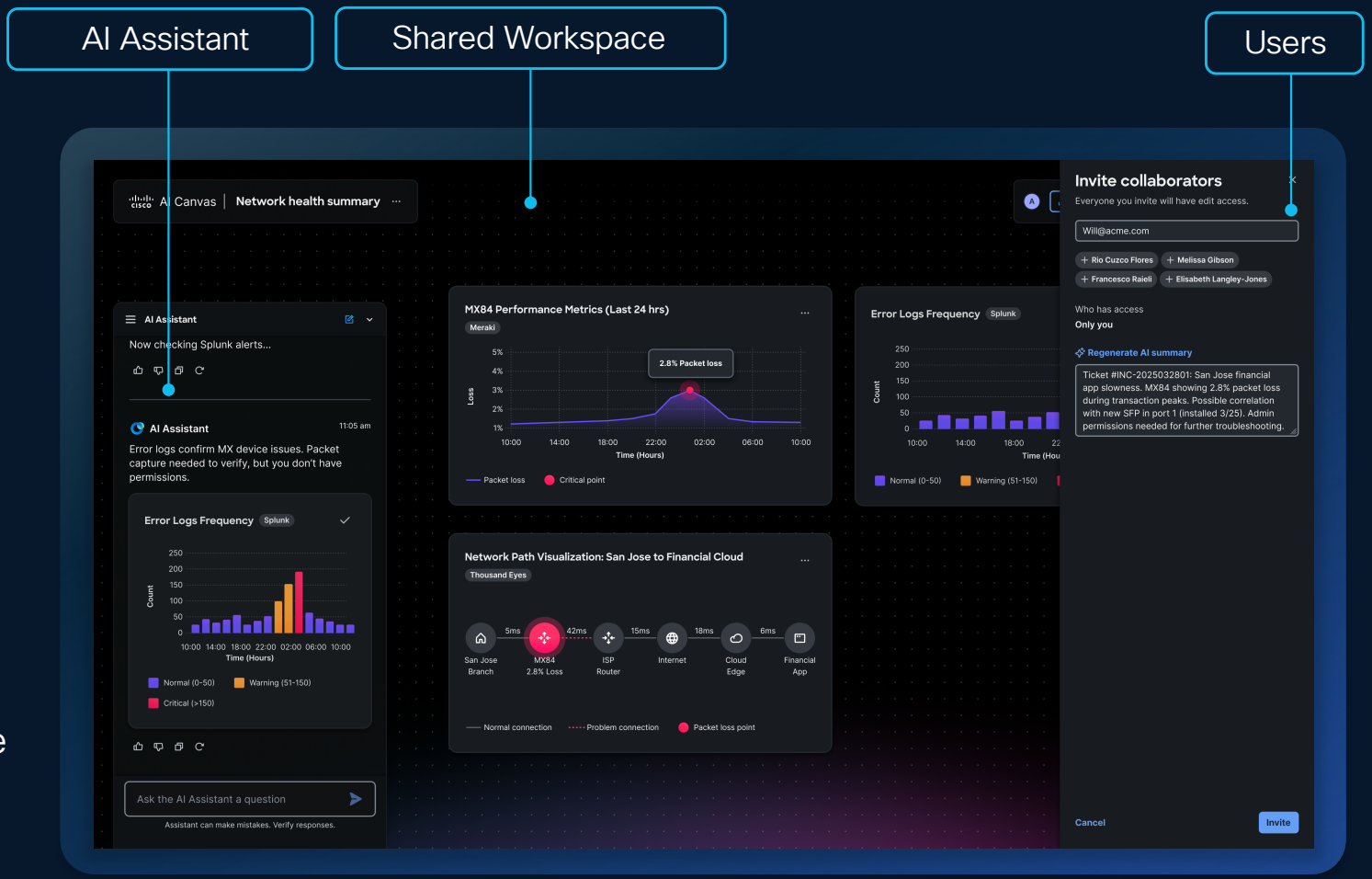
Duo
Authentication & compliance

Secure Access
Private & SAAS Resource Access

XDR
Related Threat Incidents

Introducing AI Canvas

- Single canvas for cross domain troubleshooting
- Generative UI with reasoning built-in
- Keeps NetOps, SecOps, IT and execs on the same page



AI Canvas

Investigate an open ticket from ServiceNow

- The AI Assistant guides interactions with the network in natural language
- AI Canvas reads the ticket and reasons how to solve the problem
- Collects information from tools like ThousandEyes, Meraki, and Splunk to troubleshoot the issue

AI Canvas

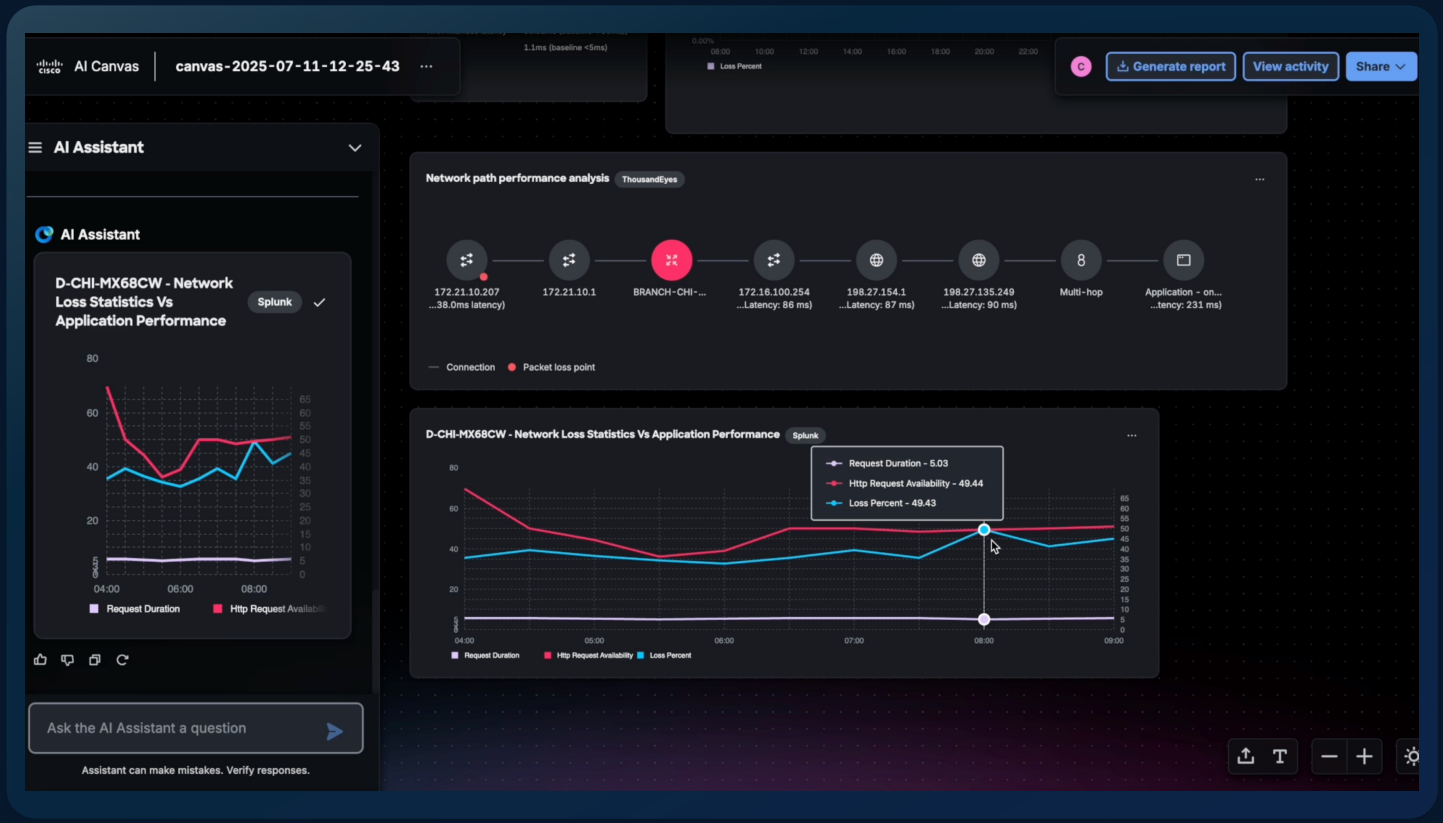
Collaboration Across Multiple Teams and Users

- One shared workspace for NetOps, SecOps, IT, and execs
- Drag and drop findings to persist and share with the team
- AI evolves Canvas with every question, insight, and action

AI Canvas

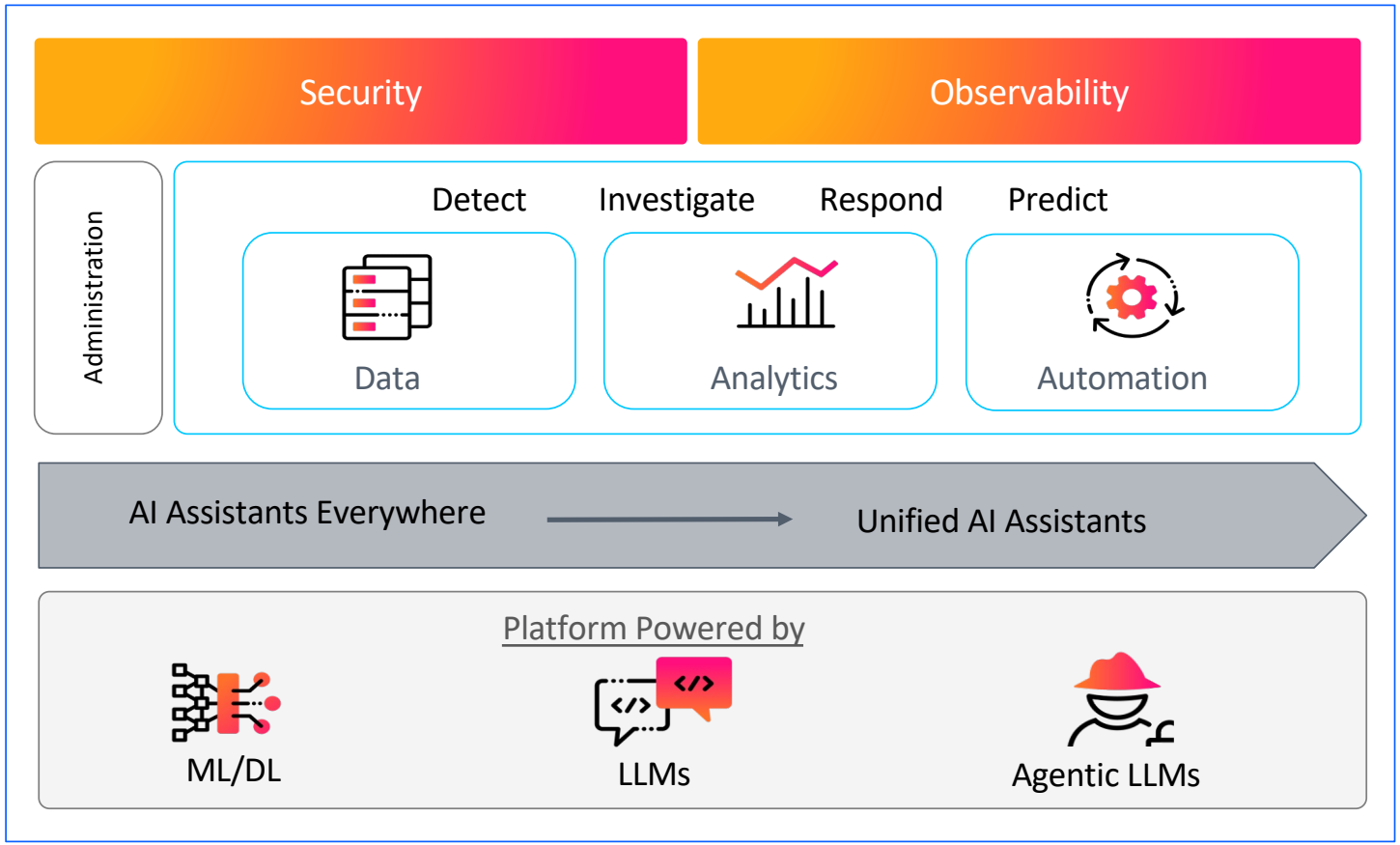
Troubleshooting and Execution Across Multiple Domains

- Unifies telemetry across Cisco networking, security, cloud, apps
- AI correlates and diagnoses across the full stack
- Executes agentic workflows across domains



Splunk AI

Splunk AI



Differentiated by:

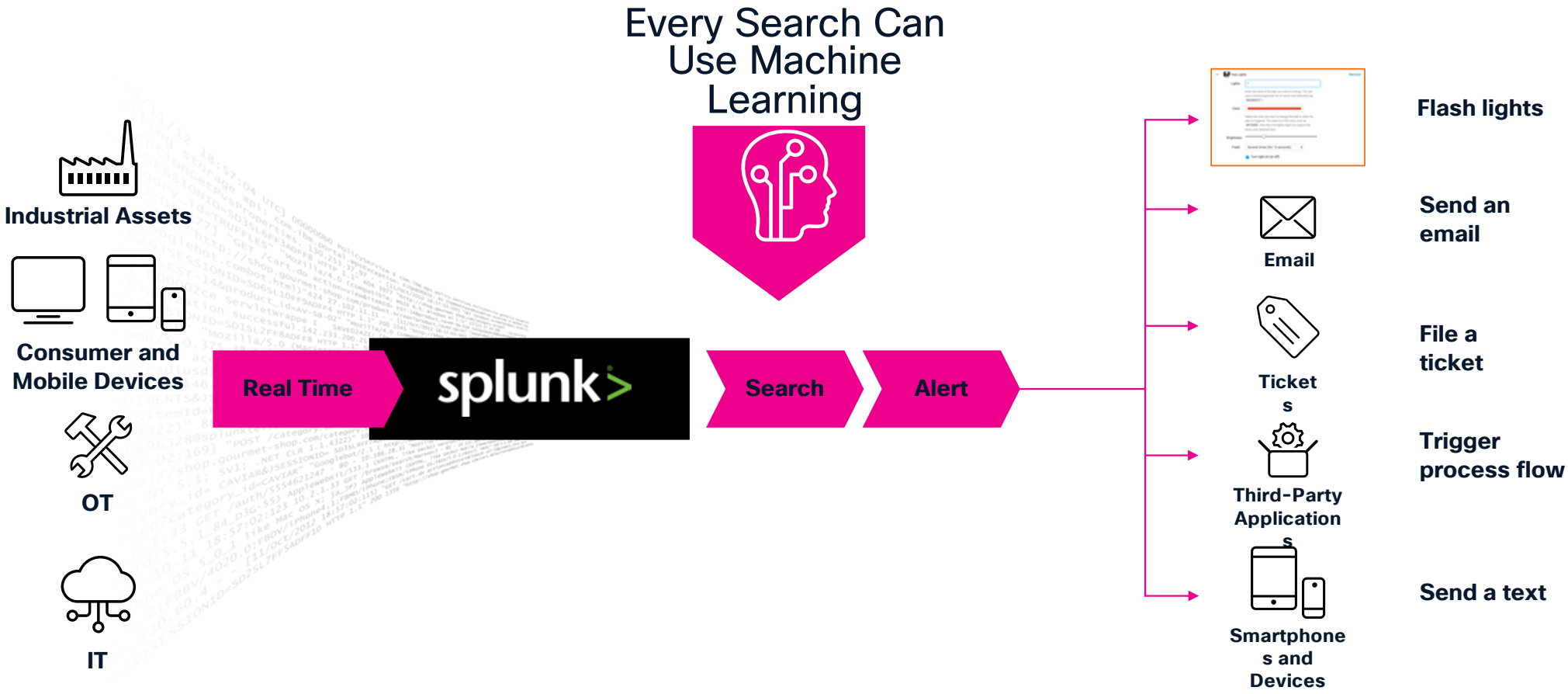
0010
01010
0101

Data Access:
Splunk + Cisco

Domain Expertise

Trusted Partner for
Safe AI

Splunk Machine Learning Tool Kit (MLTK)

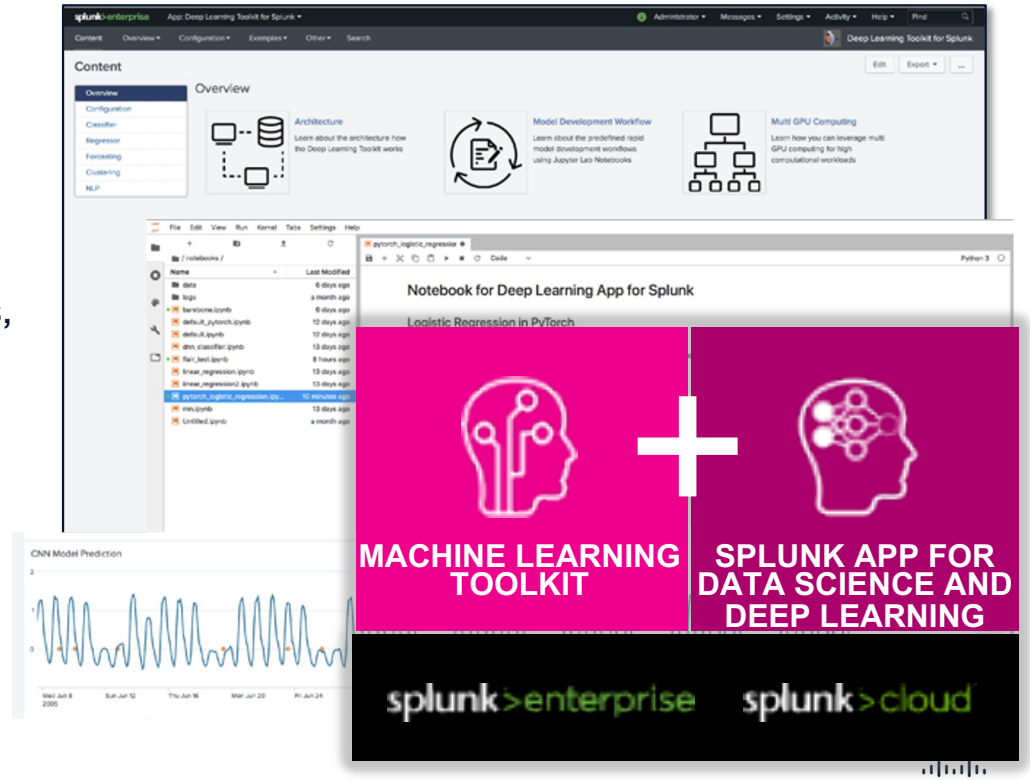


Splunk App for Data Science and Deep Learning (DSDL)

Extension for MLTK to operationalize advanced custom AI / ML use cases

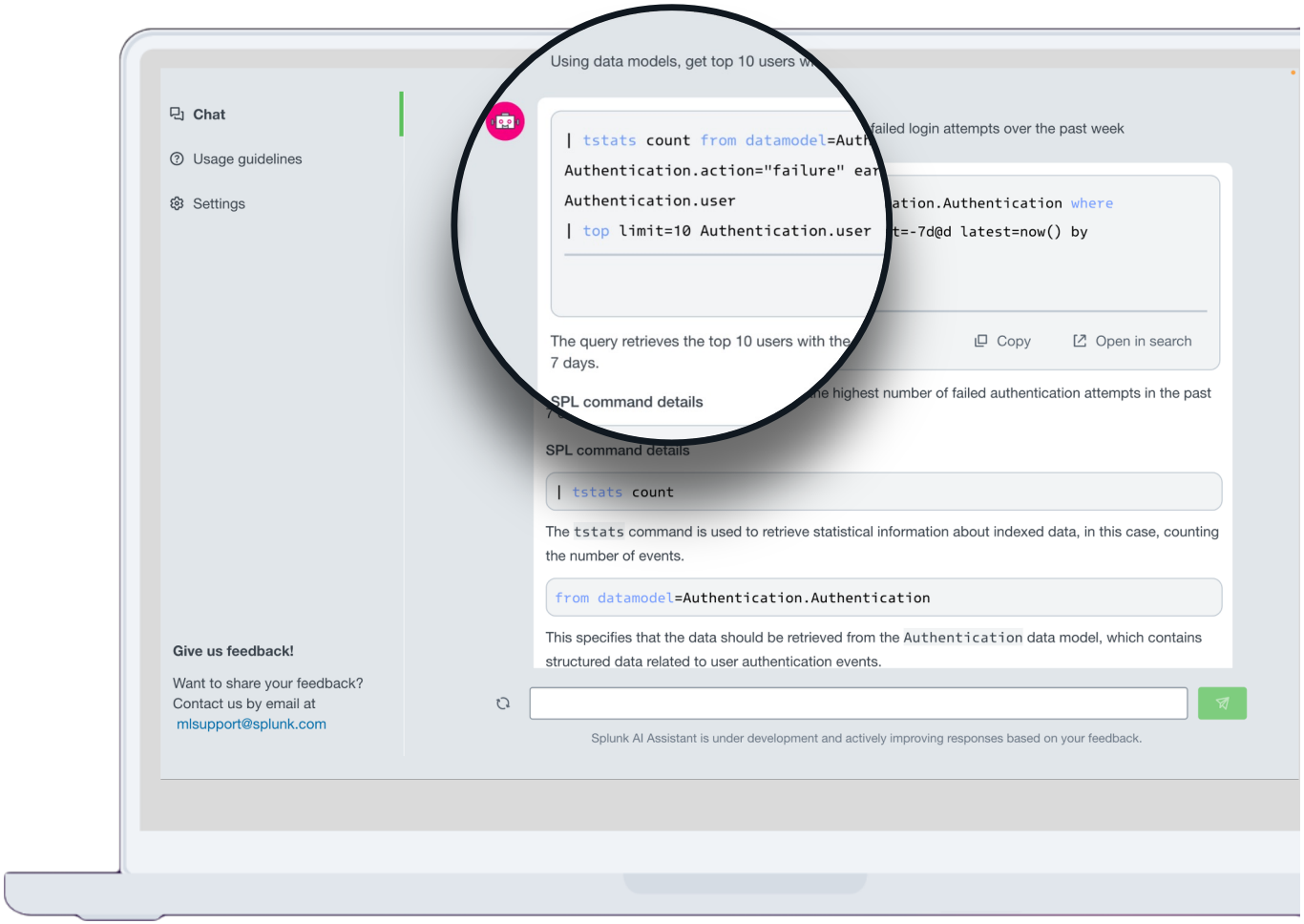
- **Built for Data Scientists**
- **Code Examples:** Guided model building, testing, and deployment of deep learning frameworks
- **Container Management:** Containers & Models can be productionized for scalability & optimization of resources, e.g. CPU & GPU
- **Frameworks:** PyTorch, Tensorflow, SpaCy, DASK, Rapids, Spark, Jupyter Notebooks & Tensorboard, ...

- **Extensible to operationalize any use case**
- **Open Source:** New frameworks & Python Libraries freely available for integration into DSDL via github
- **Acceleration:** Support for GPU accelerated machine learning and inference pipelines



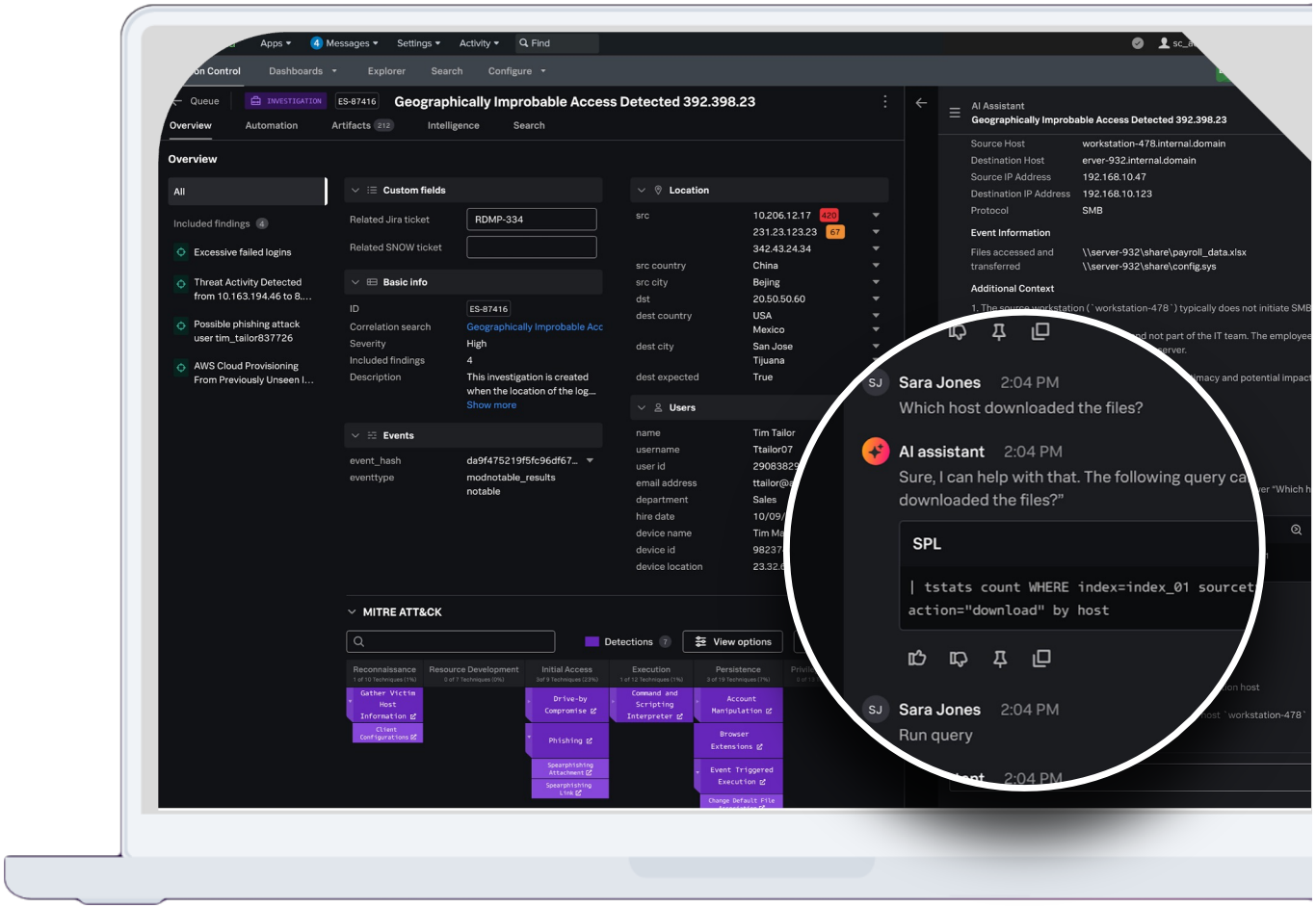
Splunk AI Assistant for SPL

- Write or explain SPL with bi-directional translation
- Upskill new and advanced Splunk users quickly
- Access the full knowledge base for answers in Splunk product



NEW – Splunk AI Assistant for Security

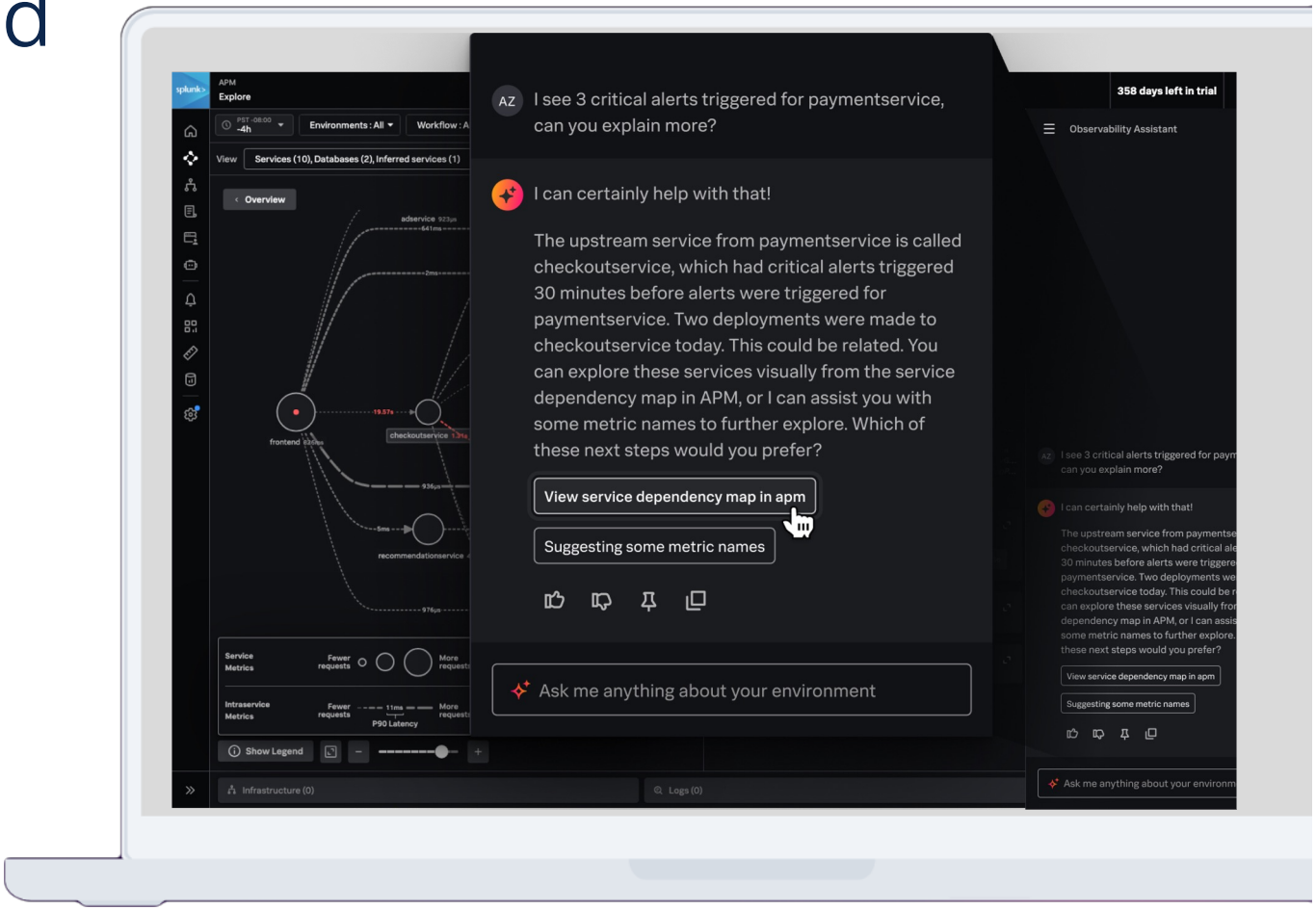
- Investigate faster
- Answer analyst questions to speed up daily workflows
- Save time while addressing threats more rapidly
- Access natively within Splunk ES



Introducing – Splunk AI Assistant for Observability Cloud

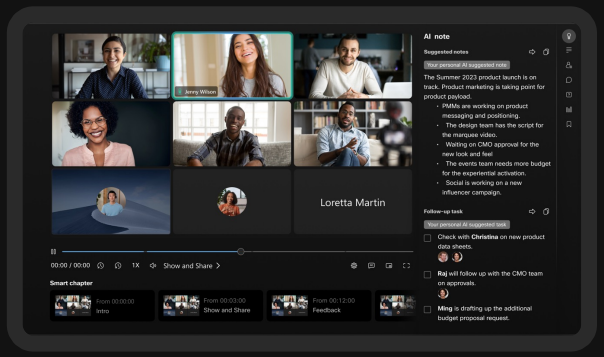
Find and fix issues faster using natural language in Splunk Observability Cloud

- Surface key insights by chatting with your data
- Accelerate investigations by creating new charts
- Get context and support as you troubleshoot

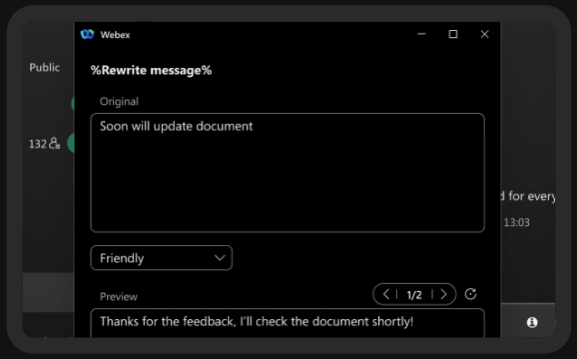


AI asistenti pro uživatele

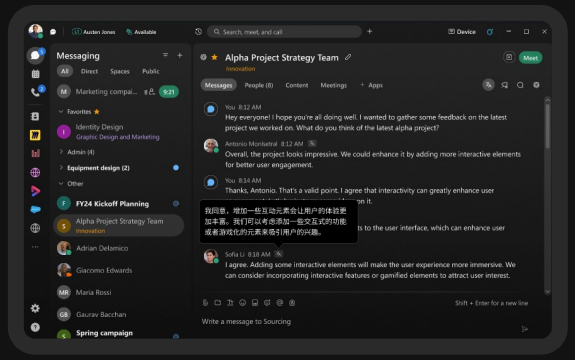
AI-Powered Webex Suite



Catch up quickly with
Meeting, Messaging, Vidcast, and Slido Summaries



Send the perfect message with
Change the Tone



Communicate globally with
Translation in 30+ languages

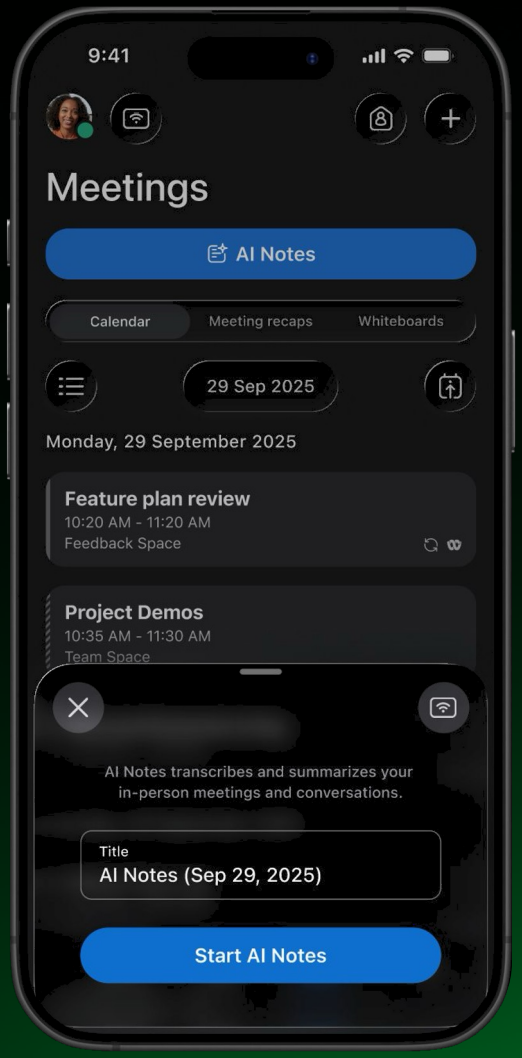
New AI Agents for Webex Suite

- Notetaker
- Polling Agent
- Task Agent
- Meeting Scheduler
- Receptionist

INTRODUCING

Notetaker

Instantly transcribe, summarize and capture action items from in-person conversations



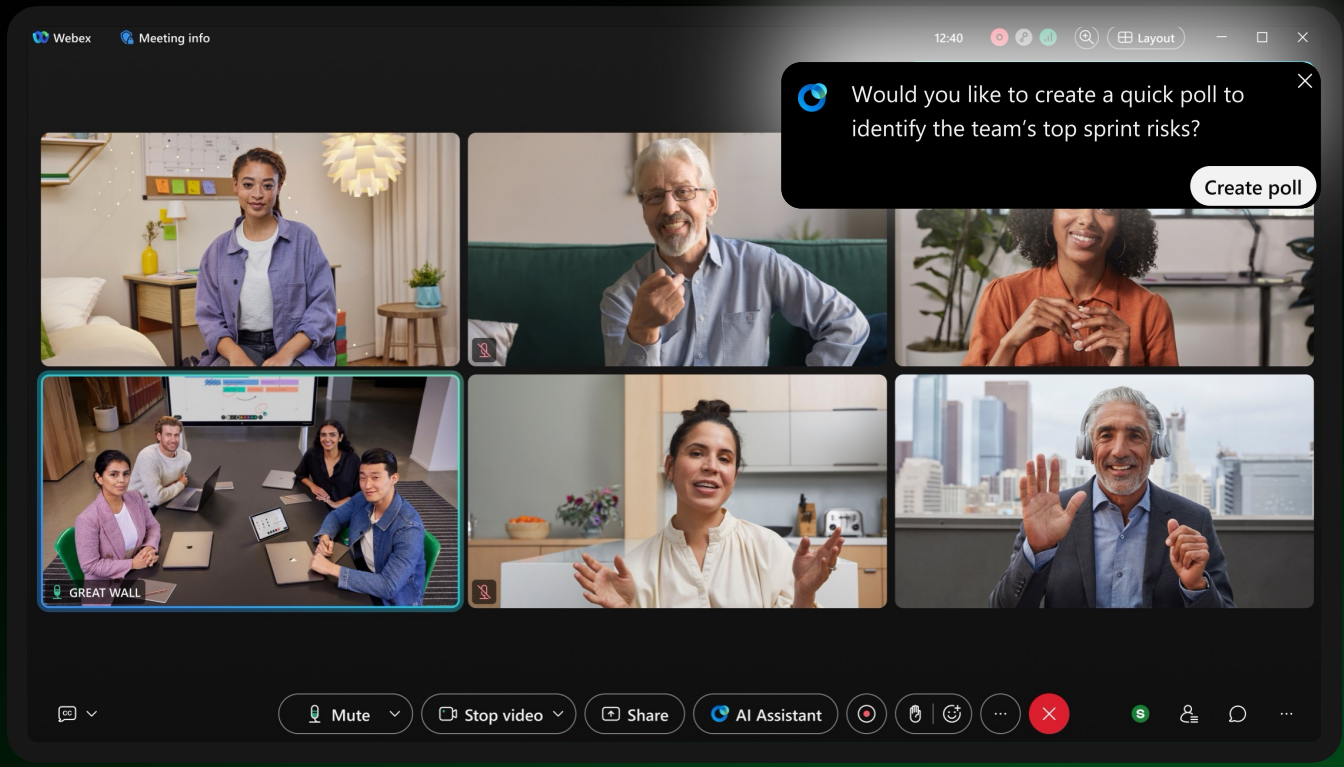
General Availability
Q1 CY26

General Availability
Q1 CY26

INTRODUCING

Polling Agent

AI spots discussion topics and prompts live polls for immediate engagement

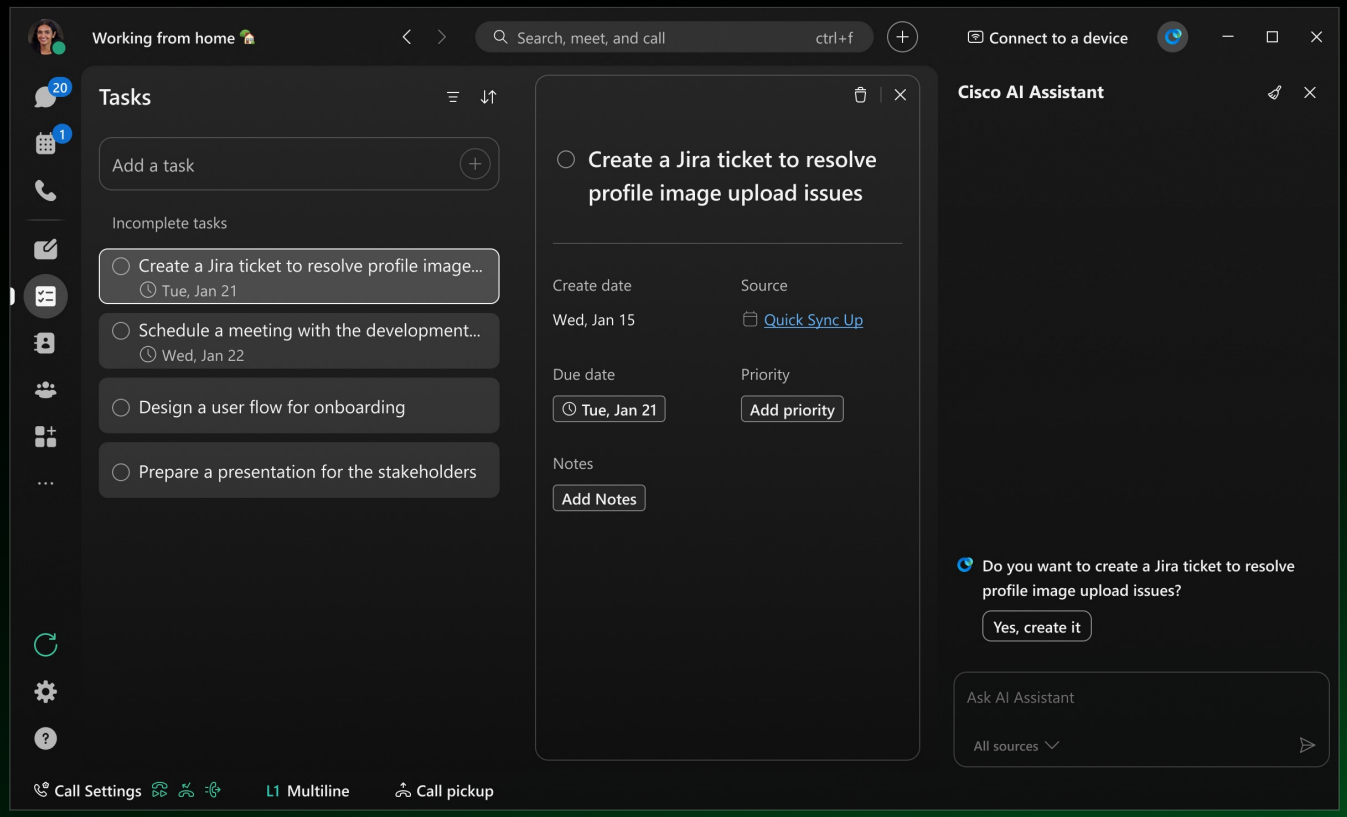


General Availability
Q1 CY26

INTRODUCING

Task Agent

Action items in one place with proactive tips to help you complete each task

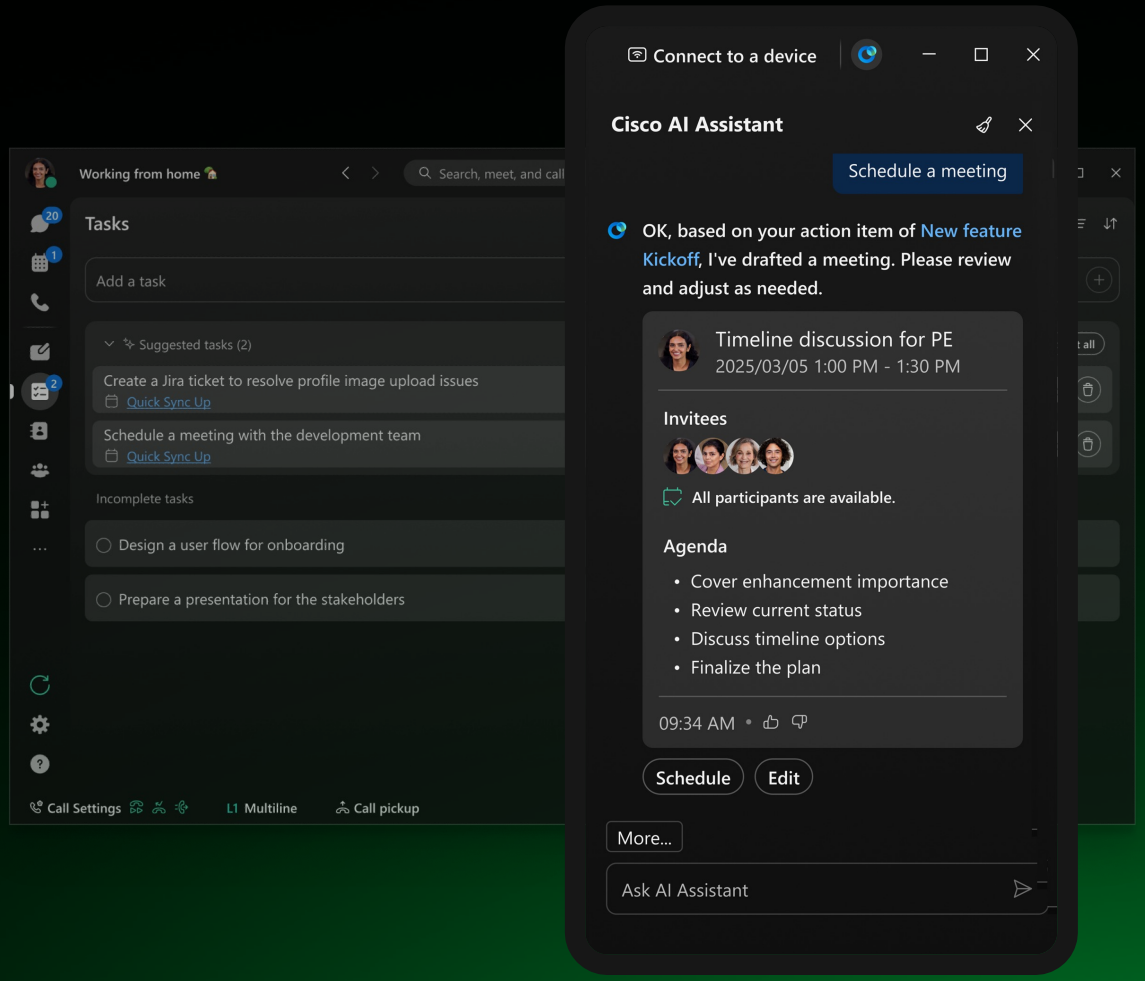


General Availability
Q4 CY25

INTRODUCING

Meeting Scheduler

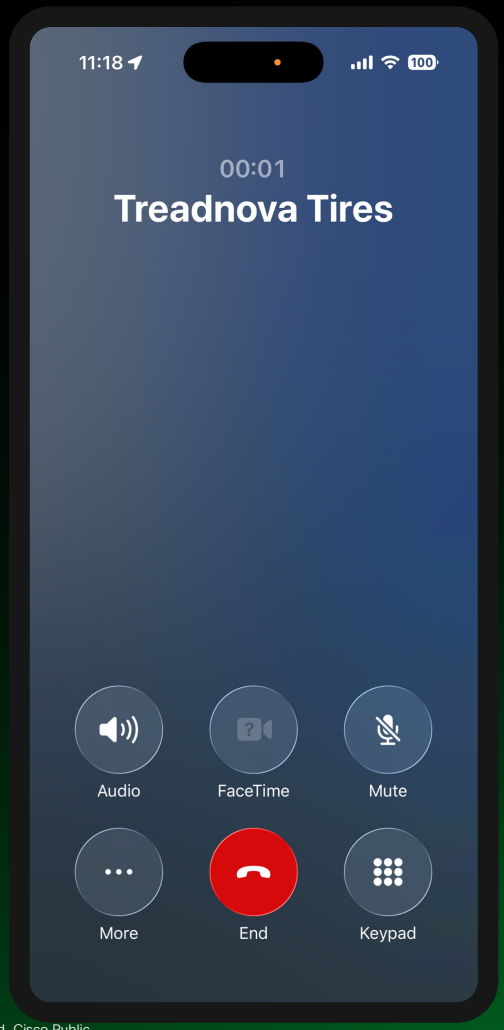
Use meeting action items to trigger smart, automated scheduling



Controlled Availability
Q1 CY26

Receptionist

Automate routine queries, transfer calls, and more - powered by Webex AI Agent



More powerful search capabilities

Across meetings, calling and messaging in Webex

Cisco AI Assistant

And across enterprise content

Amazon Q

Glean

Copilot

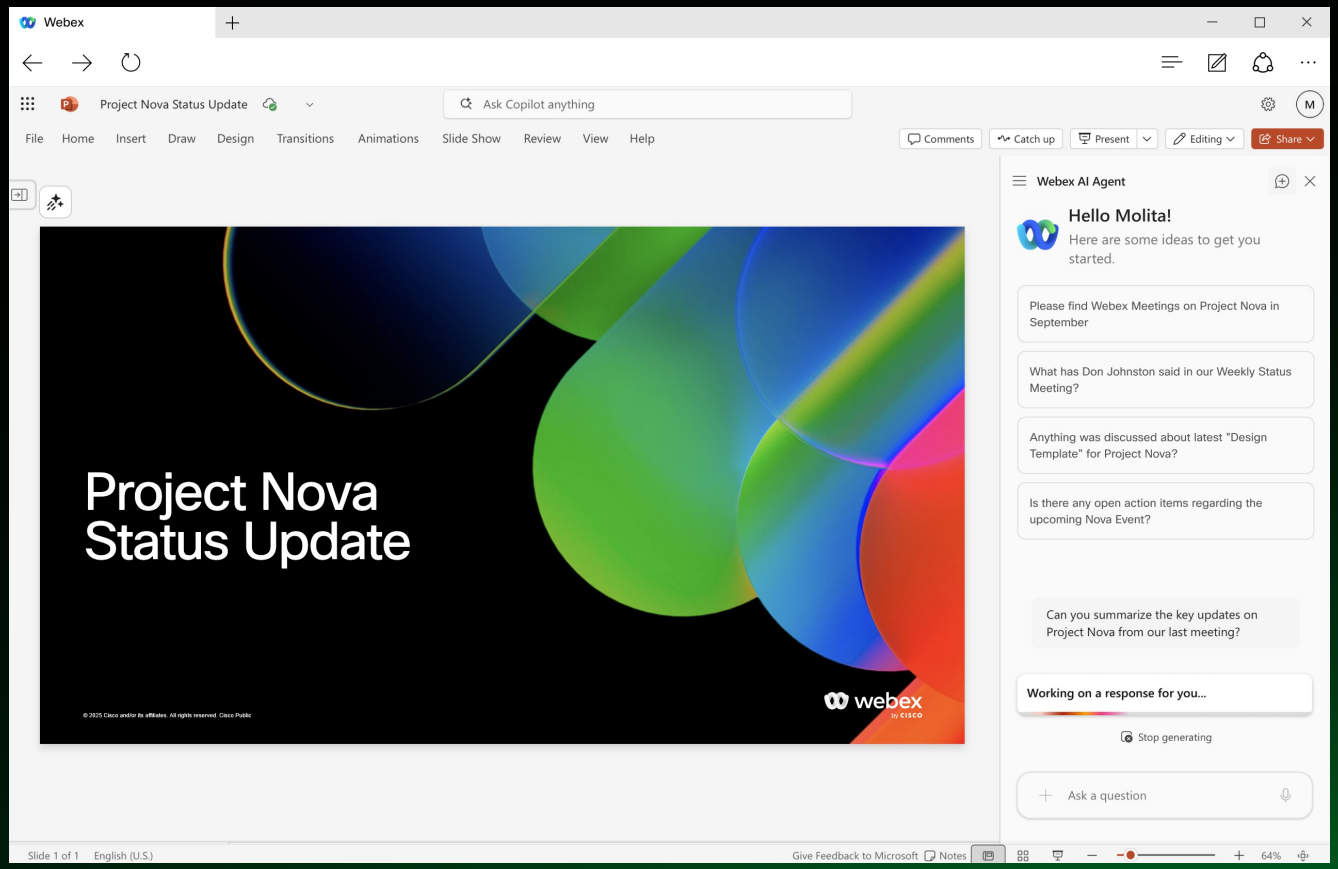
General Availability
Q4 CY25

INTRODUCING

Copilot integration

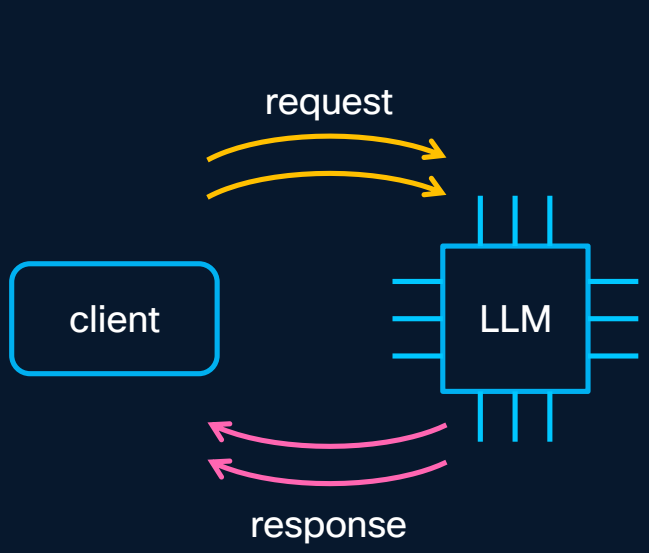
Bi-directional integration to access collaboration content and productivity tools

Copilot

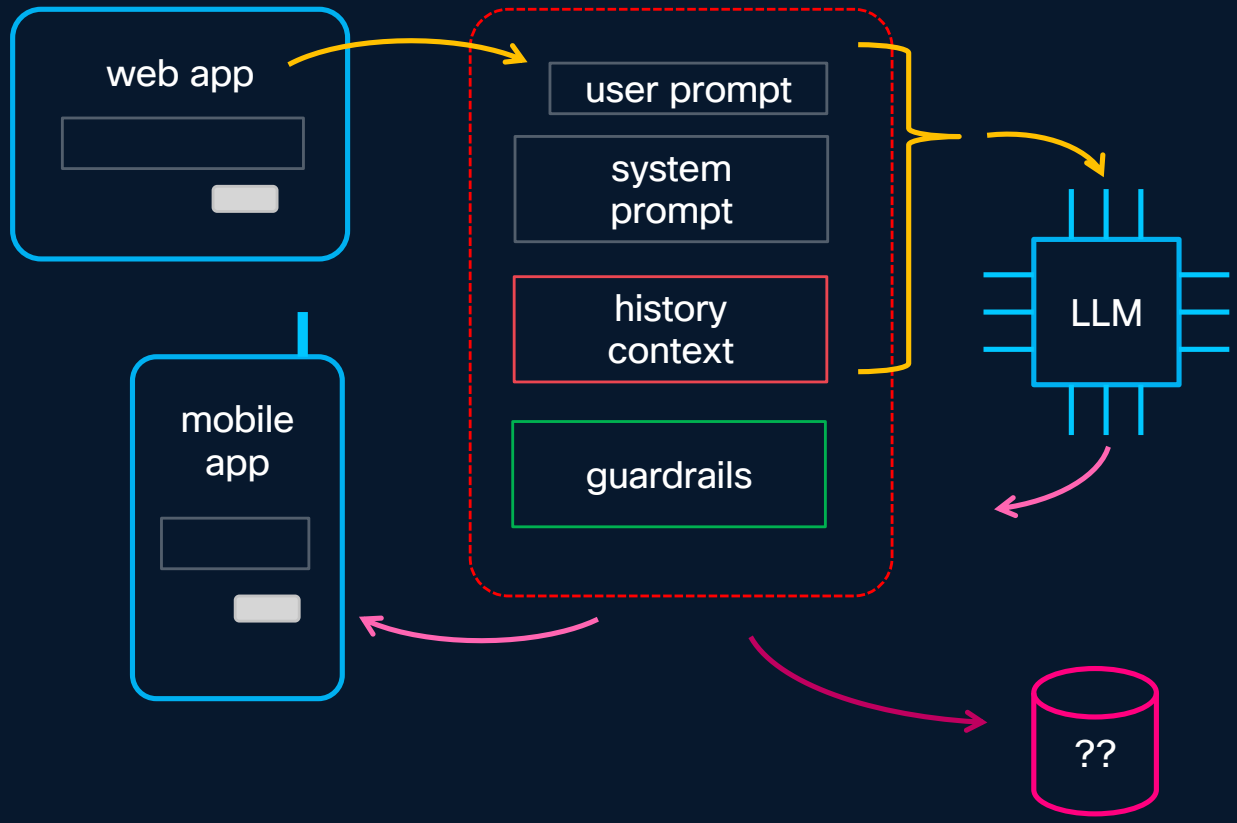


Cisco on Cisco

Plain LLM vs. Chat



no context



Demo

References

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  https://blogs.cisco.com/networking/meet-the-cisco-deep-network-model-trained-by-the-experts-purpose-built-for-the-network

Děkuji za pozornost