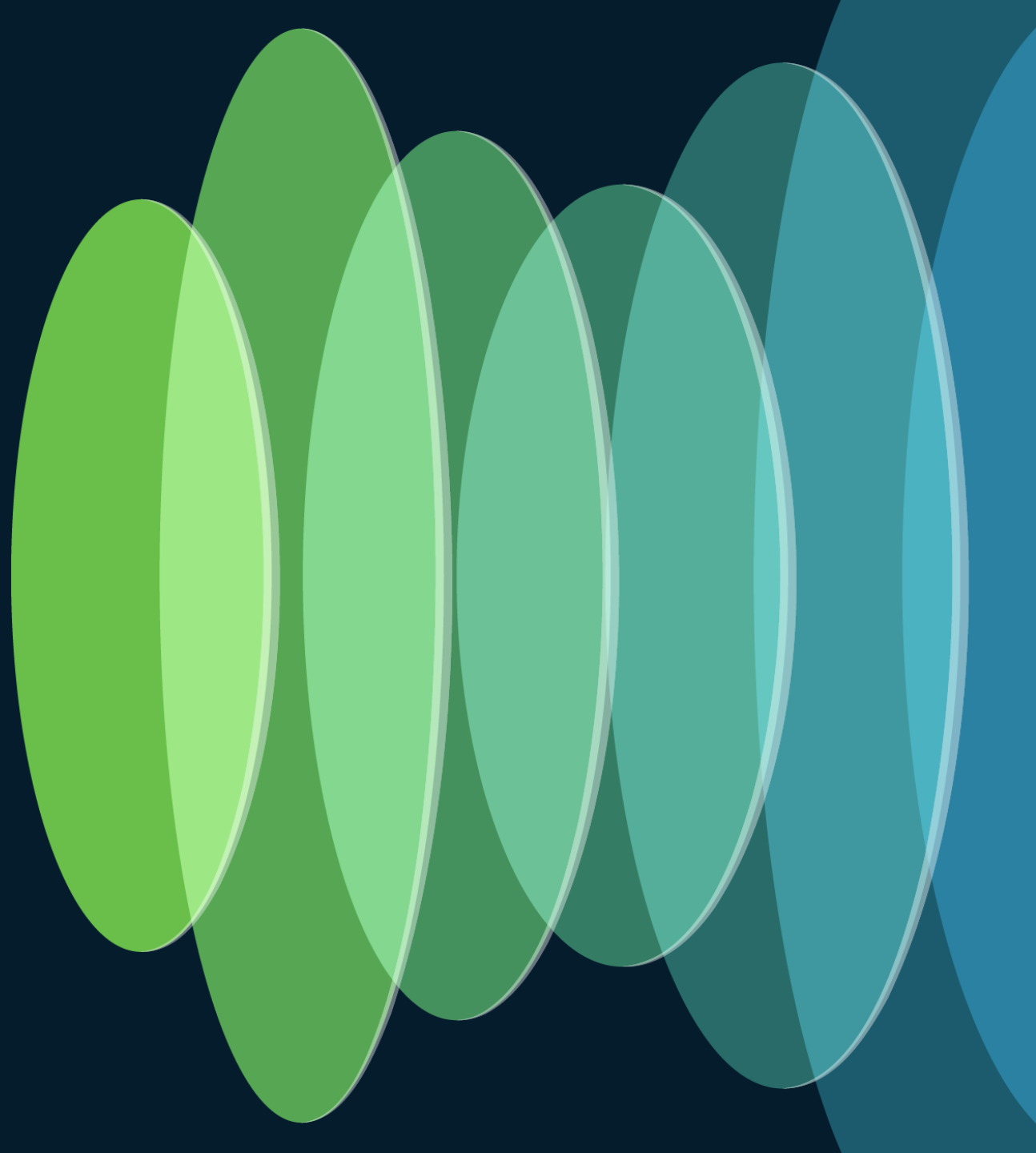


CISCO *Live!*
IT Leadership Program





Top 10 IT Predictions

Carl Solder, CTO Cisco ANZ

ITLGEN-1013

CISCO *Live!*
IT Leadership Program

#CiscoLiveAPJC

Let's get started

A close-up photograph of numerous small green seedlings growing out of dark, moist soil. Each seedling has two rounded leaves, and many of the leaves are covered with clear water droplets, suggesting a recent watering or rain. The background is dark and out of focus, emphasizing the seedlings in the foreground.

#1 NetZero



Paris Climate Agreement

2050 Target

for NetZero Emissions

Australia
Bangladesh
Cambodia
Fiji
India
Indonesia
Japan
Malaysia
Myanmar
New Zealand
Philippines
PNG
Singapore
South Korea
Sri Lanka
Taiwan
Tonga
Thailand
Vietnam

Where to Start?

Your NetZero Journey



39%

GHG Global Emissions originate from the Workplace
(World Green Business Council)

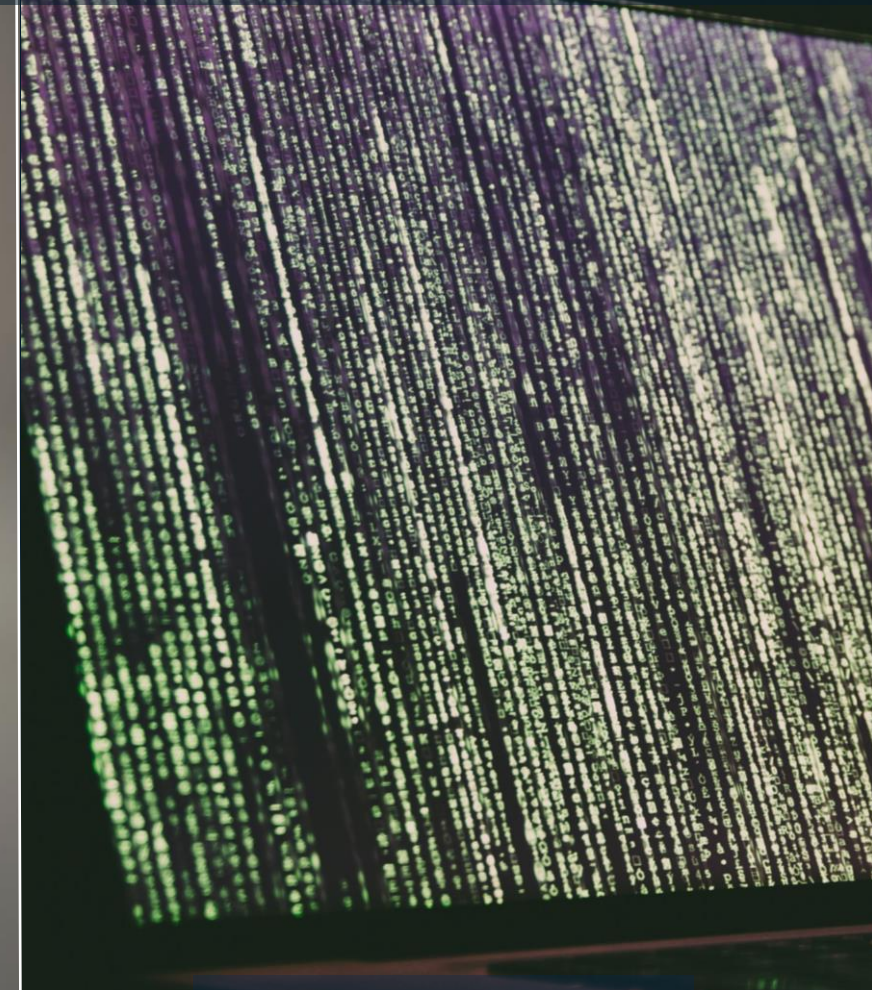
Three *Innovation* Focus Areas



Hardware
and the *Tech*



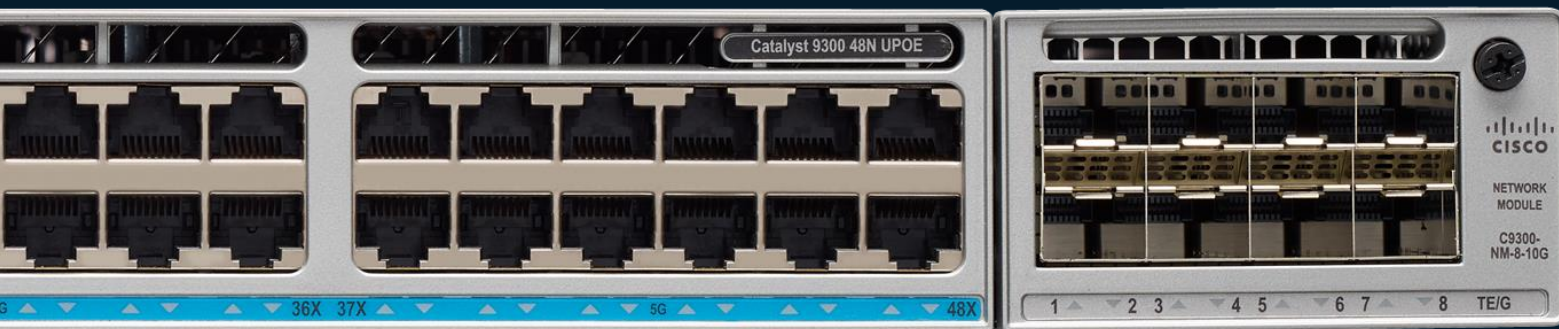
Energy, Emissions and
Automation



API's, Telemetry
And *Observability*

99.5%

of all components fully recyclable or reusable



Smart *Programmable* Buildings

Granular control over delivery and consumption of power

Connect and Power Everything

*IT is moving from being an
Energy Consumer to an Energy Provider*



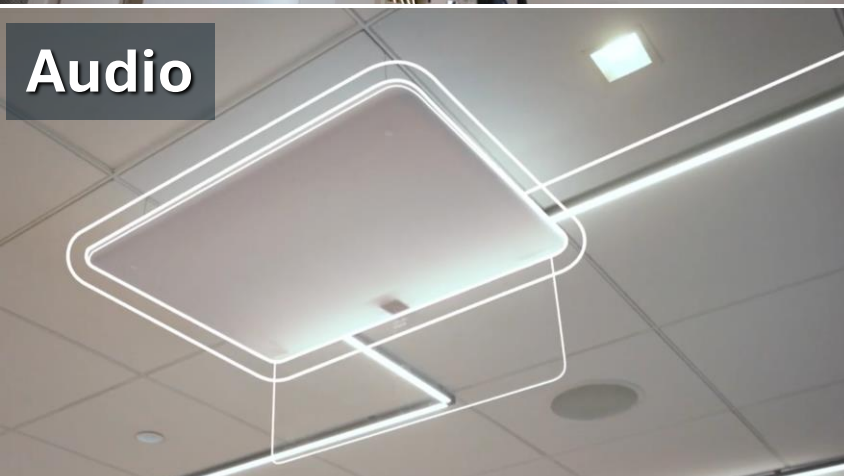
POE



Network



Video



Audio



Security



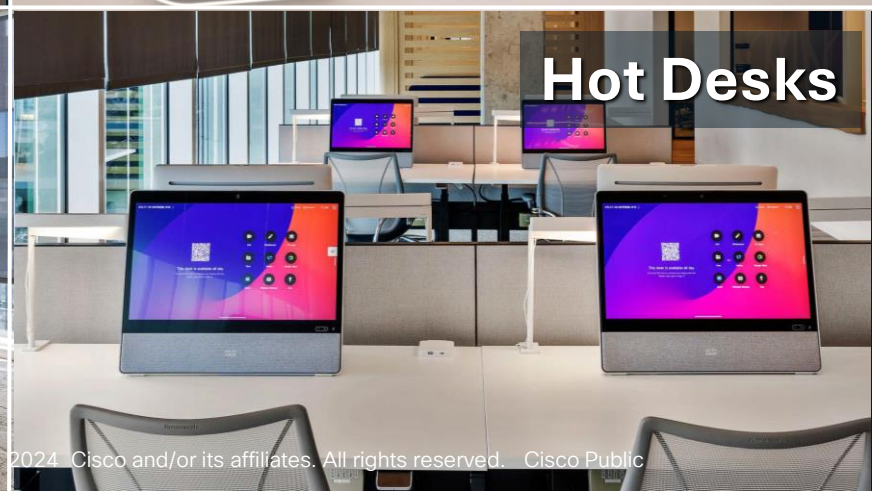
HVAC



Lighting



Window Shades



Hot Desks

cisco *Live!*

August Summary



Estimated Cost ⓘ

\$23,503.50 USD ▾



Switch Power Consumption ⓘ

321.6 Watts



Estimated Emissions ⓘ

5,187 kg CO₂e

Est. Daily Cost this Month

\$783.45

Estimated daily cost so far this month, based on your sites' energy usage and the average energy cost in each site's region

Share of Daily Cost Per Site



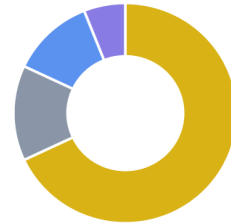
SJ-Site-1	21%	Brazil-Site	6%
SJ-Site-2	18%	Madison-Site	5%
SF-Site	12%	Chennai-Site	5%
UK-Site	10%	Tokyo-Site	4%
Barcelona-Site	6%	All Other Sites	13%

Emissions this Month

554.9 kg CO₂e

Estimated monthly carbon dioxide equivalent emissions. Emissions are estimates from utility data and third-party services. [See Methodology](#)

Energy Mix



80% Average percentage of energy from low-carbon sources

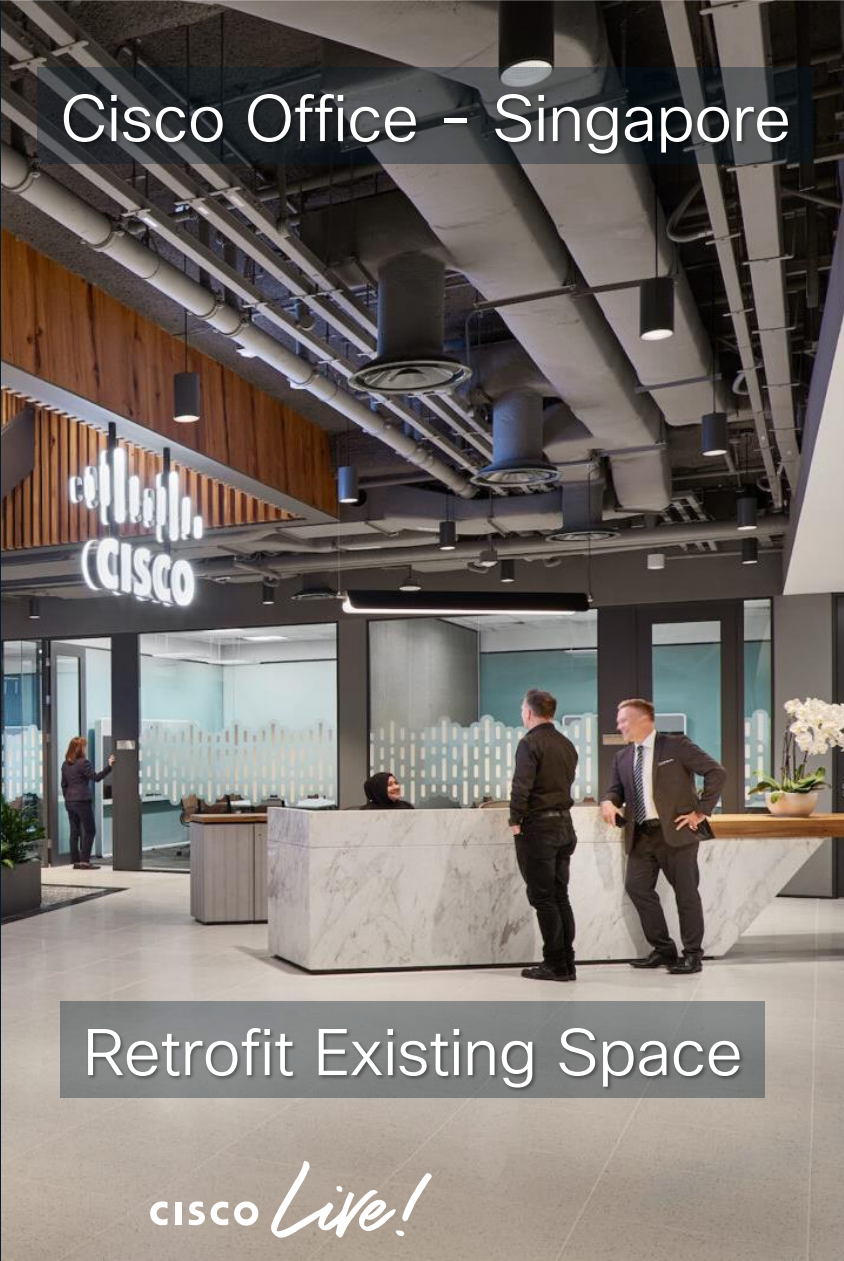
Solar	68%	Coal	0%
Natural Gas	14%	Geothermal	0%
Wind	12%	Hydro	0%
Nuclear	6%	Hydro Storage	0%
Battery Storage	0%	Oil	0%
Biomass	0%	Unknown	0%

Equivalent of 1,377 miles driven
in an average gasoline-powered passenger vehicle (US EPA). [See More](#)

Sustainability Insights

Smart Building Examples

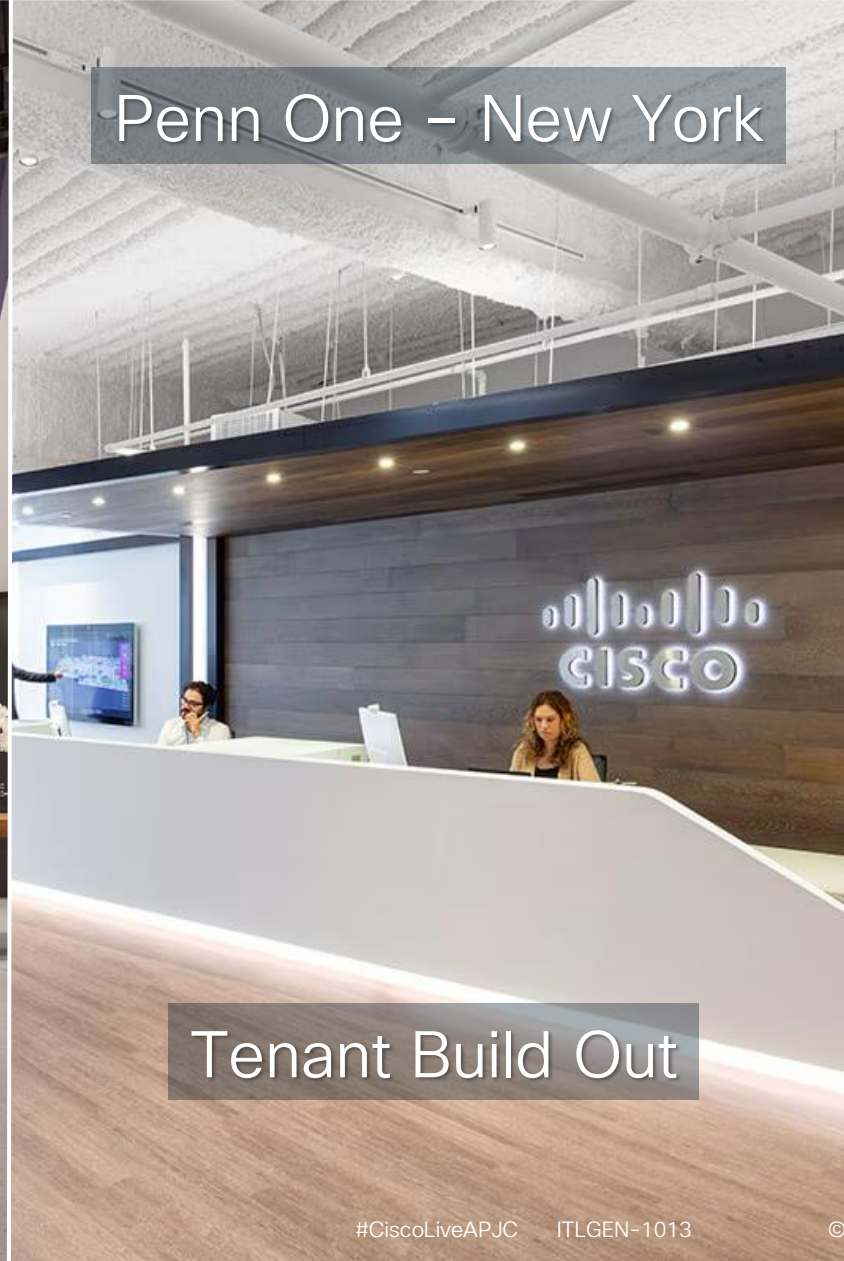
Cisco Office – Singapore



Retrofit Existing Space

cisco *Live!*

Penn One – New York



Tenant Build Out

#CiscoLiveAPJC

ITLGEN-1013

Bishops Gate – London



New Build

© 2024 Cisco and/or its affiliates. All rights reserved. Cisco Public

#2 Workspaces



From Mandate to Magnet:

The Race to Reimagine Workplaces
and Workspaces for a Hybrid Future

Global Edition



© 2024 Cisco and/or its affiliates. All rights reserved.

Webex Global Hybrid Work Study 2024

Online Survey

3,800 Employers
14,050 Employees

80%

of Employers are mandating
Full or *Partial* return to office

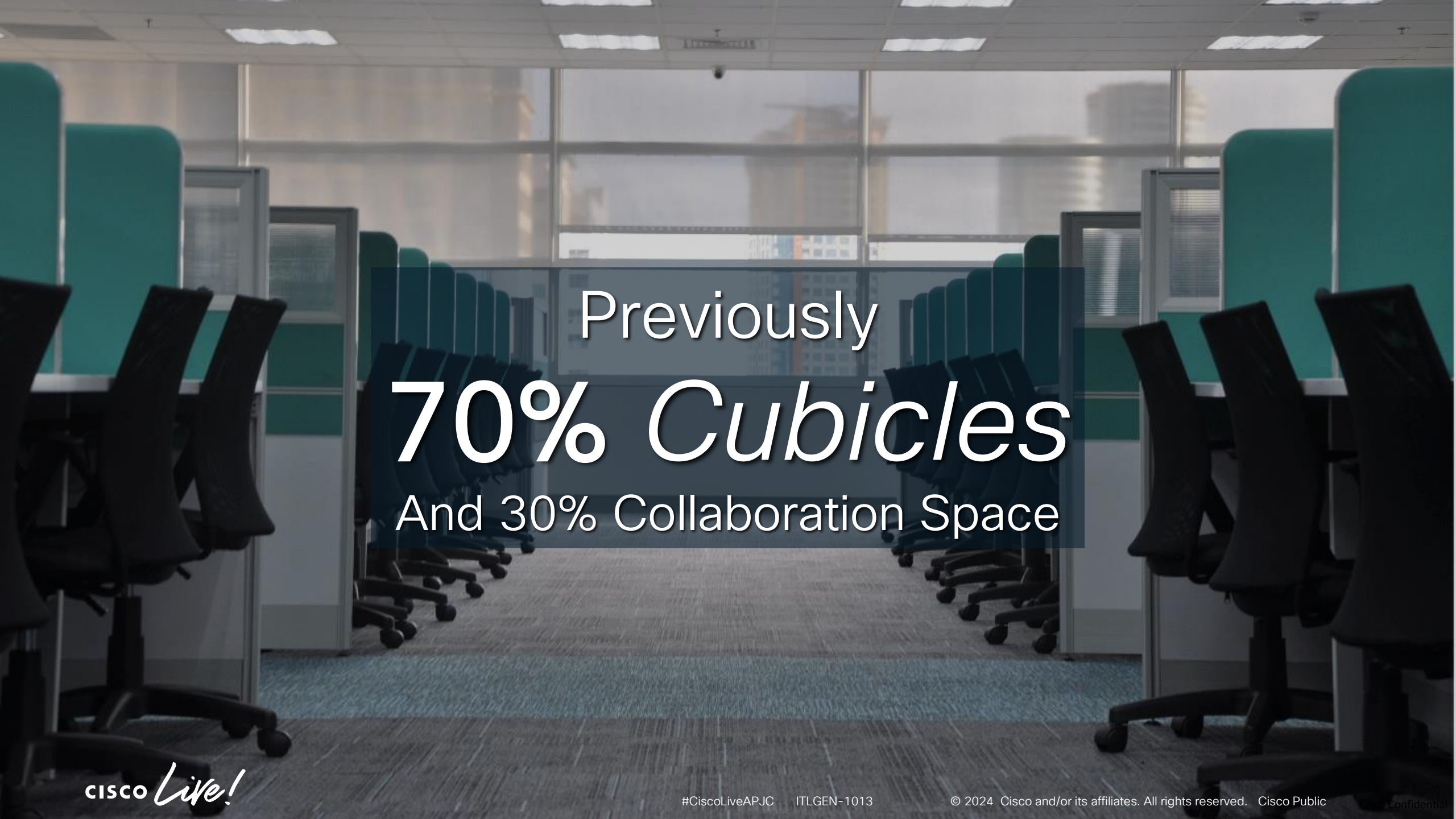
50%+

office space still *Dedicated* to
Personal working spaces



A Workspace Template for the Future

Cisco Office Penn One Plaza NY



Previously
70% *Cubicles*
And 30% Collaboration Space



Now
70% Collaboration
And 30% Cubicle Space

Jump Room Spaces

Quiet Rooms for Hybrid Meetings



Ad-Hoc Meeting Spaces

Huddle Rooms for Greater Collaboration



Distraction Free Spaces

Directional Audio / Remove Visual Distractions

Distance Zero

Equivalent Collab Experience for Remote Users



Speakers ALWAYS in the Limelight



Show on Map

All Rooms Desks

12 Meeting Rooms on this floor

5 Available 1 Booked 6 Occupied 0 No Data

Room Finder

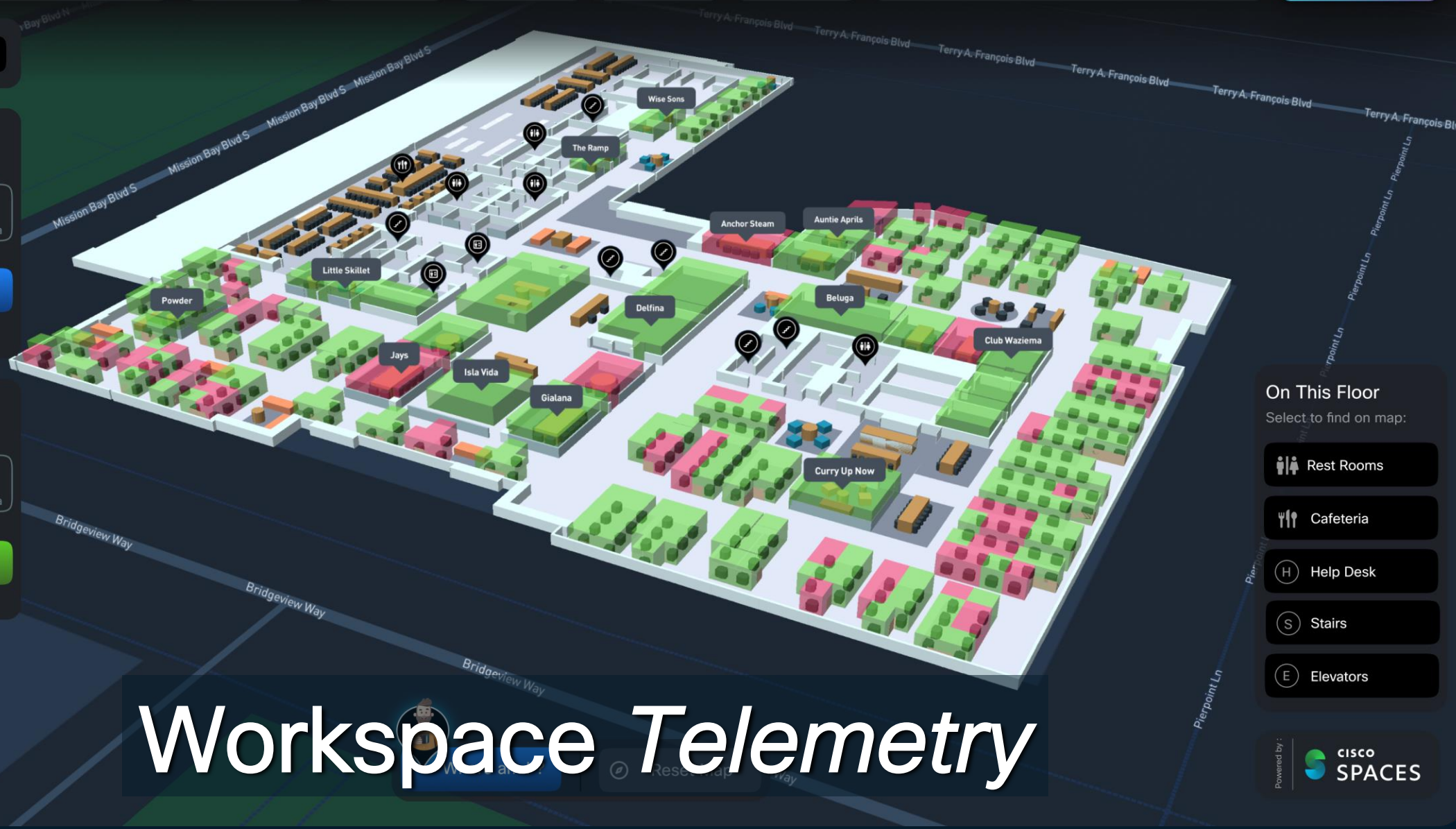
Data Source: Webex

106 Desks on this floor

78 Available 22 Occupied 2 No Data

See Available Desks

Data Source: Webex + Spaces



On This Floor

Select to find on map:

- Rest Rooms
- Cafeteria
- Help Desk
- Stairs
- Elevators

Workspace Telemetry

300%

increase in *Employees* coming
coming back to the NY *Office*

#3 Artificial Intelligence

2024 AI Data Points

\$4.4T

*Expected size of emerging
AI market*

65%

*of companies use AI in at least one
business function*

2M

*Expected growth of token size in
context windows*

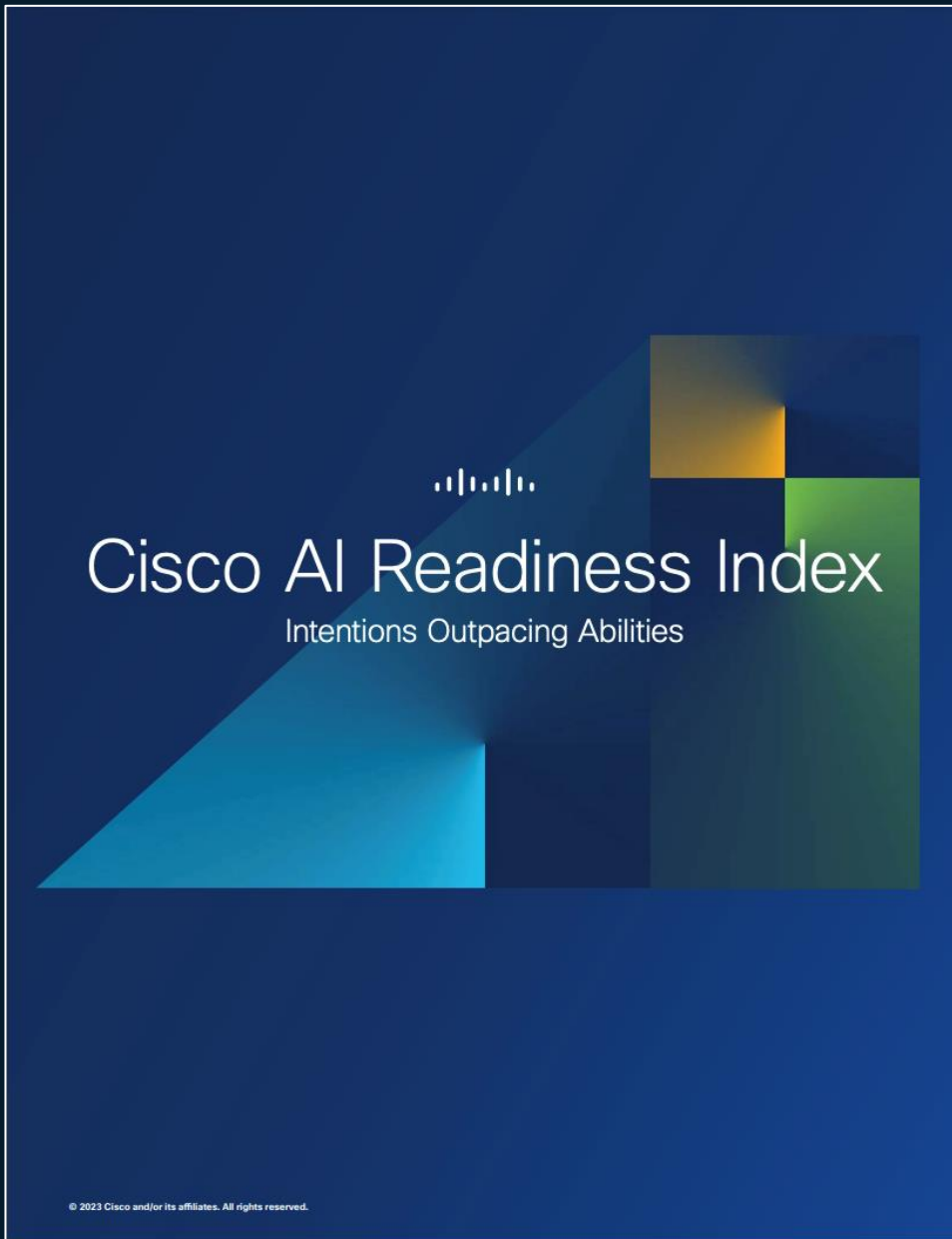
SLM

*The move towards purpose built
Small Language Models*

2023 Cisco AI Readiness *Index*

67%

*Felt they had a year to implement AI
BEFORE
significant **negative** business impact
from business competitors*



What have *customers* been doing in the **last year**?

A Stark Contrast and a *Growing Divide*



Asia

Vs.



Australia/New Zealand

AI Investment Areas in 2024

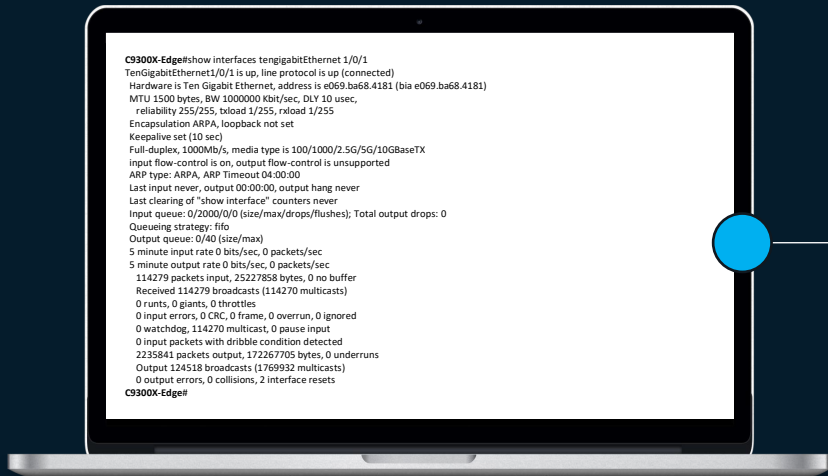


A woman with glasses is looking at multiple computer monitors in a server room. The monitors display various data and code. The text "#4 LLMOps" is overlaid on the image.

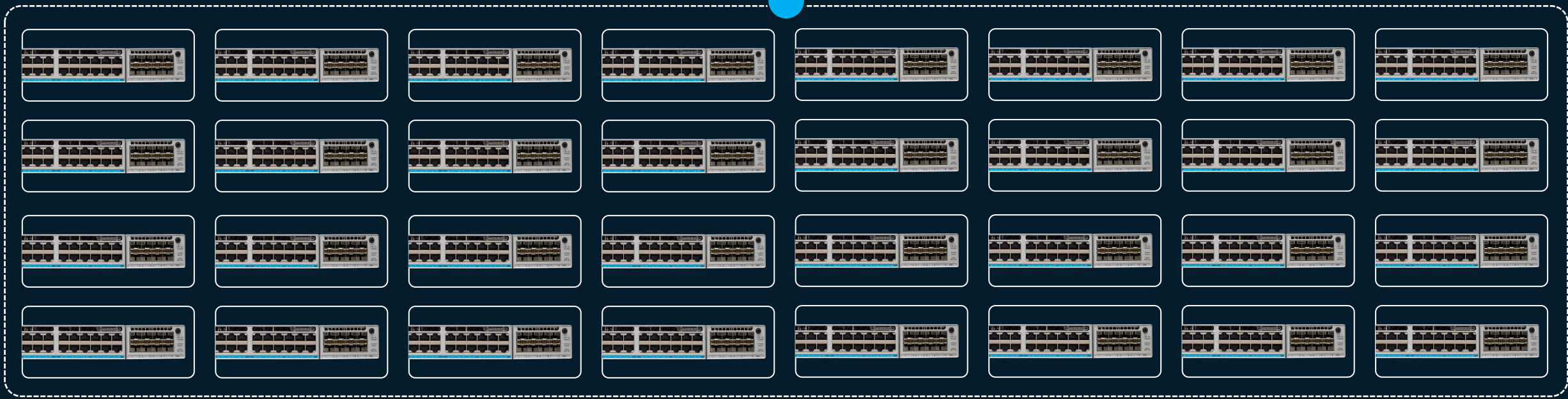
#4 LLMOps

```
C9300X-Edge#show interfaces tengigabitEthernet 1/0/1
TenGigabitEthernet1/0/1 is up, line protocol is up (connected)
  Hardware is Ten Gigabit Ethernet, address is e069.ba68.4181 (bia e069.ba68.4181)
  MTU 1500 bytes, BW 1000000 Kbit/sec, DLY 10 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Full-duplex, 1000Mb/s, media type is 100/1000/2.5G/5G/10GBaseTX
  input flow-control is on, output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 00:00:00, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/2000/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    114279 packets input, 25227858 bytes, 0 no buffer
    Received 114279 broadcasts (114270 multicasts)
    0 runs, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 114270 multicast, 0 pause input
    0 input packets with dribble condition detected
  2235841 packets output, 172267705 bytes, 0 underruns
    Output 124518 broadcasts (1769932 multicasts)
    0 output errors, 0 collisions, 2 interface resets
C9300X-Edge#
```

CLI has been a NetOps staple for *decades*



As Device Count Increased CLI becomes *Unwieldy*





SDN gave rise to DevOps

Scripting that Automates and Assures Infrastructure

AIOps

*Background AI engines Fine Tuning &
Optimising Infrastructure Administration*



Introducing LLMOps

Large Language Model Operations

cisco *Live!*

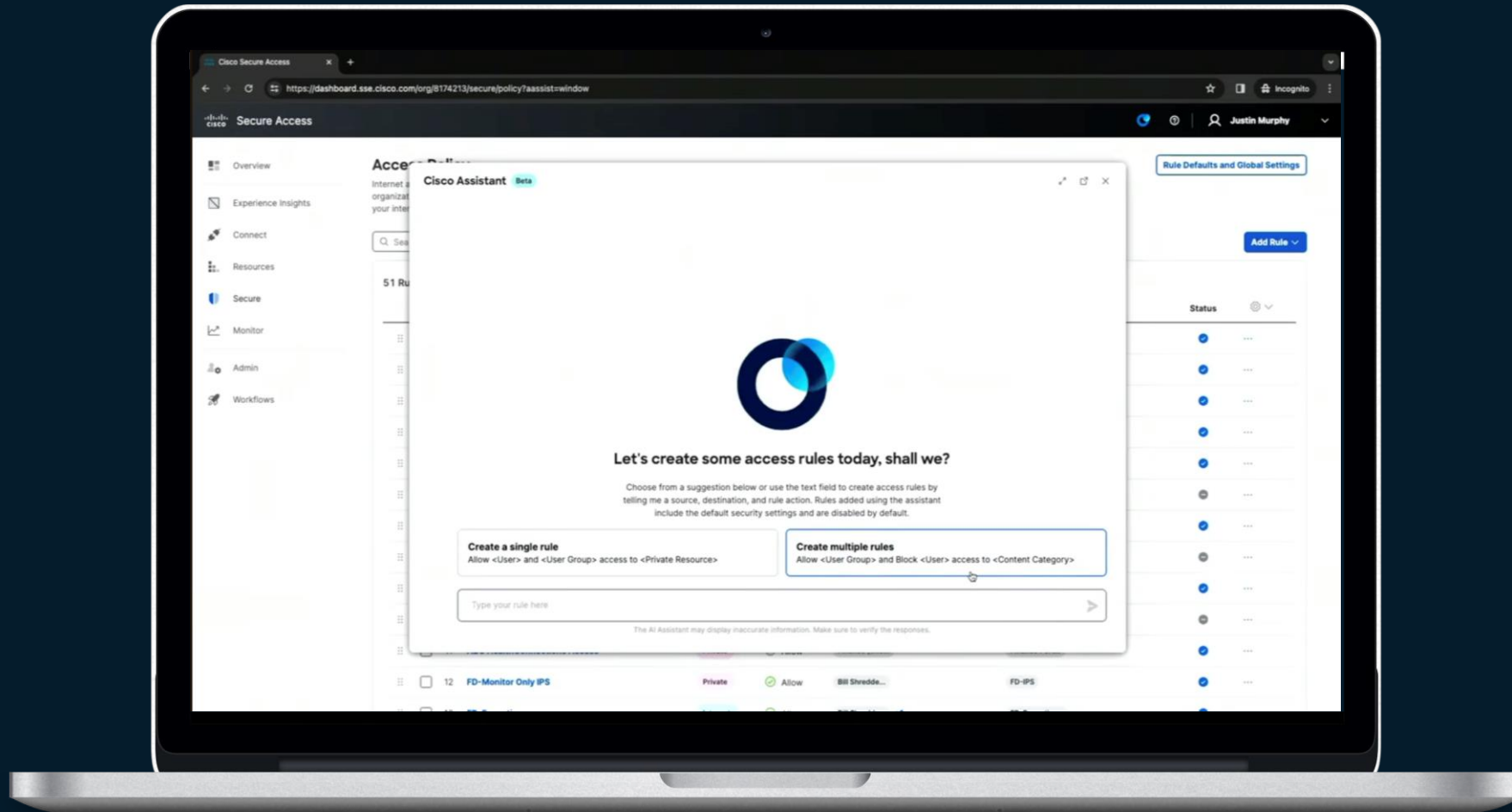
#CiscoLiveAPJC

ITLGEN-1013

© 2024 Cisco and/or its affiliates. All rights reserved. Cisco Public

Cisco Confidential

LLMOps Enabled by AI Assistants



Here are the policies controlling access to SalesApp

Access Control Policy	Status	Last Modified
Application_Access	Targeting 4 devices	2023-11-10 08:16:14 Modified by "Firepower System"
Edge_Control_Application	Targeting 3 devices	2023-12-09 12:10:26 Modified by "Firepower System"

Ask the AI Assistant a question





Congratulations, **Block-Outbound-SalesApp** rule has been successfully created!

Would you like to create this rule?

Yes

No

Ask the AI Assistant a question



LLMOps – A Pathway to True AI Native Networking



Assist

*Diagnose, Optimize,
Summarize*

Augment

*Delivery & Troubleshooting
Services*

Automate

*Day 0-2 Ops across Cisco &
Third Parties*

The Evolution of Network Operations



NetOps



DevOps



AIOps



LLMOps

Where many customers are Today



NetOps



DevOps



AIOps

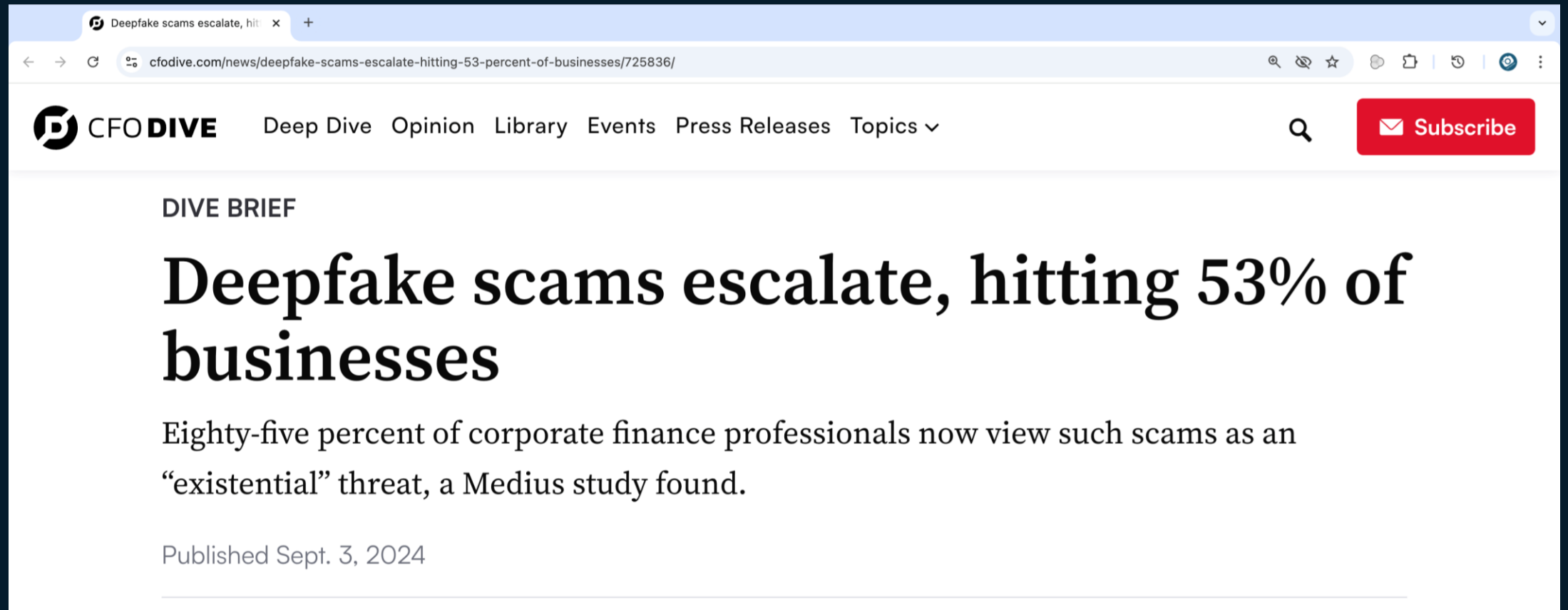


LLMOps

A full-page background image showing two men in blue hoodies in a server room. They are leaning over a desk with laptops and tangled cables, pointing their index fingers at each other in a confrontational manner. The room is dimly lit with blue light from the server racks. A large, glowing moon is visible through a window in the background.

#5 Deep Fakes

Escalation in Deep Fake *Scams*



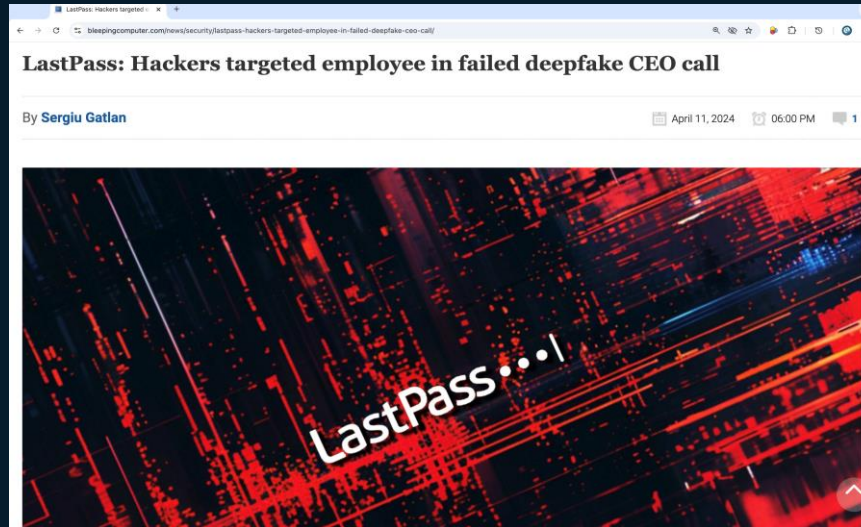
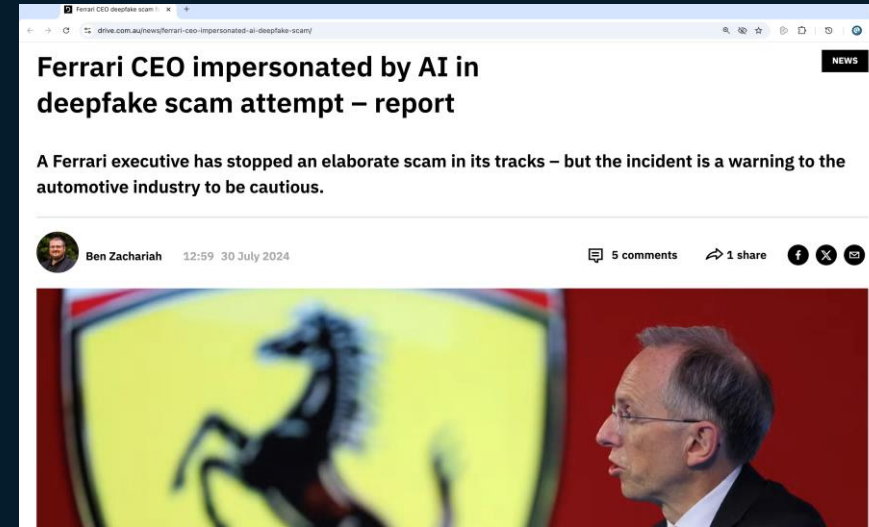
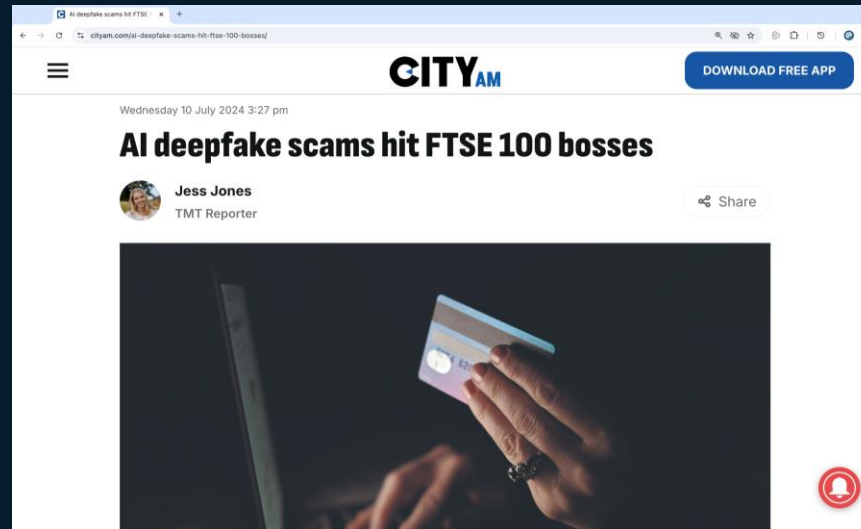
The screenshot shows a web browser window with a single tab titled "Deepfake scams escalate, hitting 53% of businesses". The address bar shows the URL "cfodive.com/news/deepfake-scams-escalate-hitting-53-percent-of-businesses/725836/". The website header includes the CFO DIVE logo, navigation links for "Deep Dive", "Opinion", "Library", "Events", "Press Releases", and "Topics", a search icon, and a red "Subscribe" button. The main content area features the text "DIVE BRIEF" followed by the headline "Deepfake scams escalate, hitting 53% of businesses" in a large, bold font. Below the headline is a sub-headline: "Eighty-five percent of corporate finance professionals now view such scams as an 'existential' threat, a Medius study found." The article is dated "Published Sept. 3, 2024".

Deepfake scams escalate, hitting 53% of businesses

Eighty-five percent of corporate finance professionals now view such scams as an “existential” threat, a Medius study found.

Published Sept. 3, 2024

Deep Fakes are on the *Rise*



Text to Voice Synthesis

IBM

∞ Meta



synthesia



MURF.AI

ElevenLabs



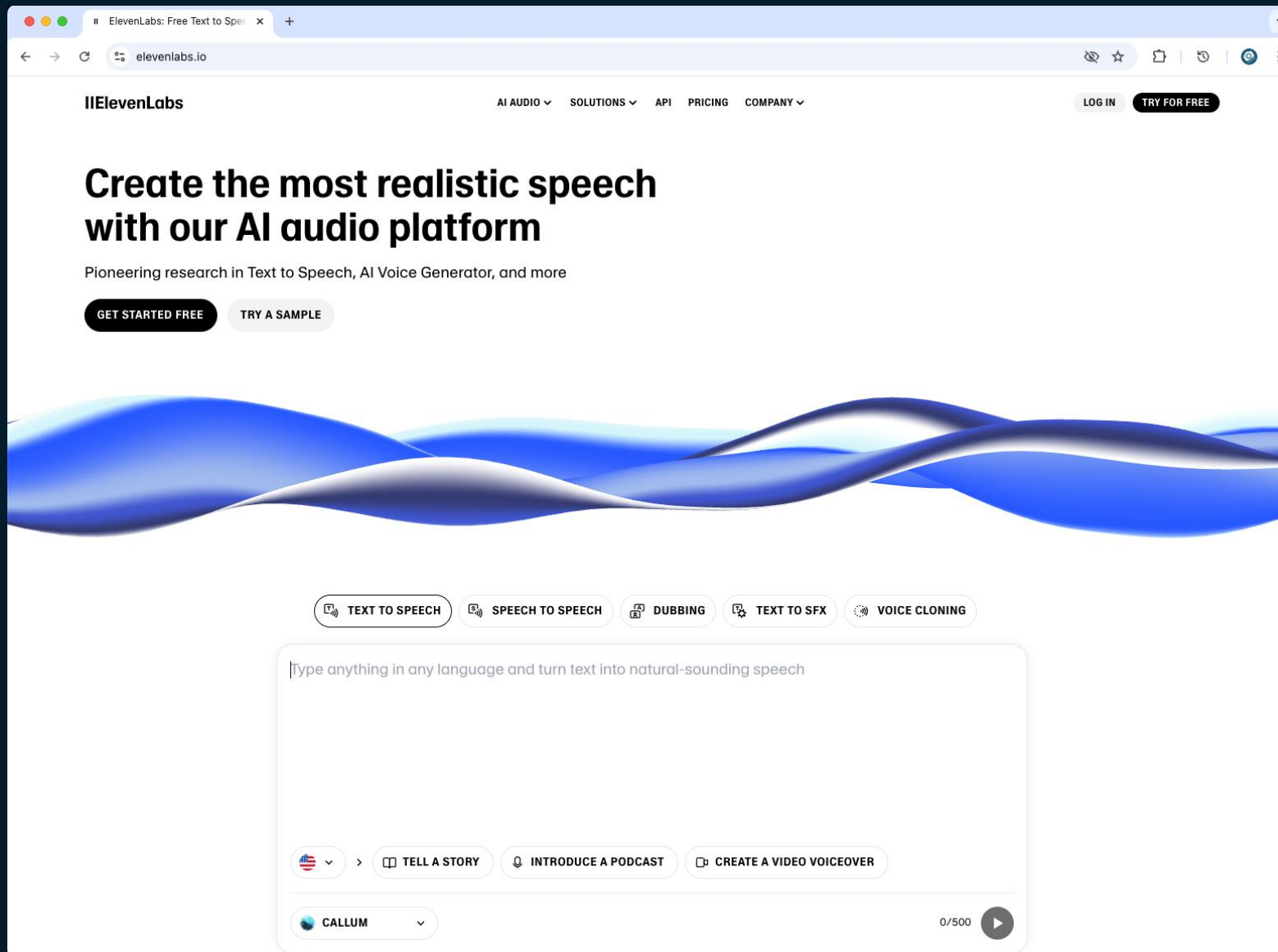
LOVO



Speechify



WELLSAID



Deep Fakes – Seeing is No Longer Believing

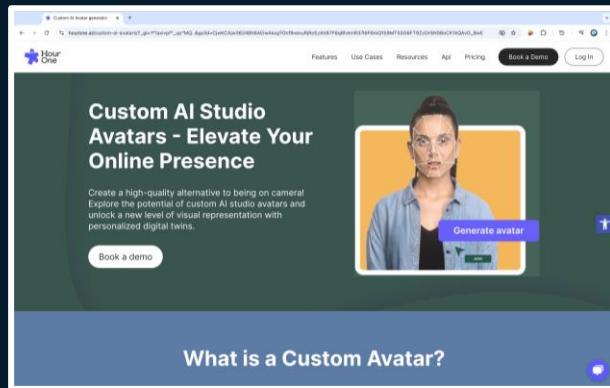
Reid Hoffman interviews the AI version of himself



<https://www.youtube.com/watch?v=rgD2gmwCS10>

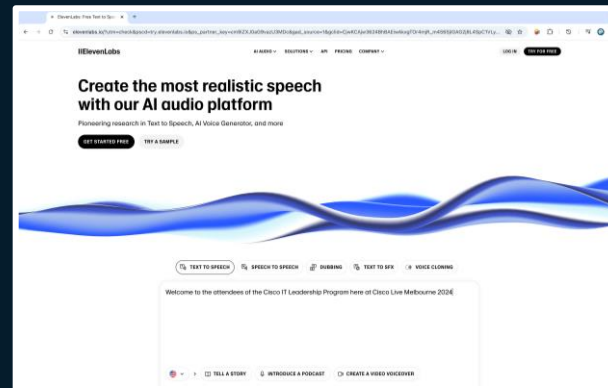
The Tech – Powering the AI version of Reid

Video Avatar
by Hour One



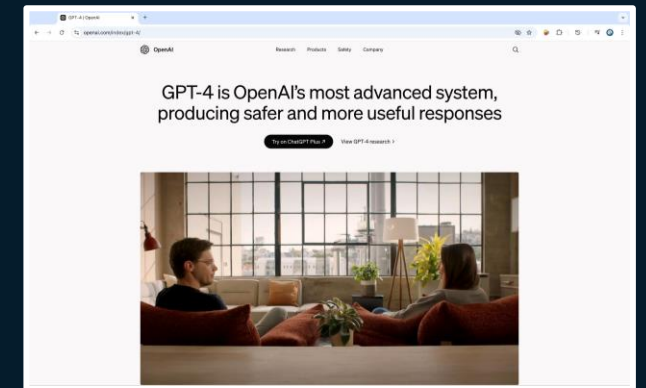
USD\$95/Month

Voice
by Eleven Labs



USD\$99/Month

Reid Persona
Custom GPT4 Chatbot



USD\$89/Month

About \$300/Month to Generate AI Reid

The Scam – Deep Fake *Video Conference*

CNN Business

Markets Tech Media Calculators Videos

Watch Listen Live TV

Sign in

Markets →

DOW

41,954.24

0.94% ▼

S&P 500

5,695.94

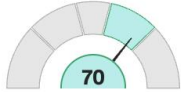
0.96% ▼

NASDAQ

17,923.90

1.18% ▼

Fear & Greed Index →



Greed
is driving the US market

Latest Market News →

CBS News says heated Ta-Nehisi Coates interview did not meet editorial standard...

Why a key borrowing rate is above 4% again

One year on, the Israel-Hamas war has taken an unprecedented toll on journalists

Business / Tech

British engineering giant Arup revealed as \$25 million deepfake scam victim



By [Kathleen Magramo](#), CNN

🕒

3 minute read · Updated 4:53 AM EDT, Fri May 17, 2024

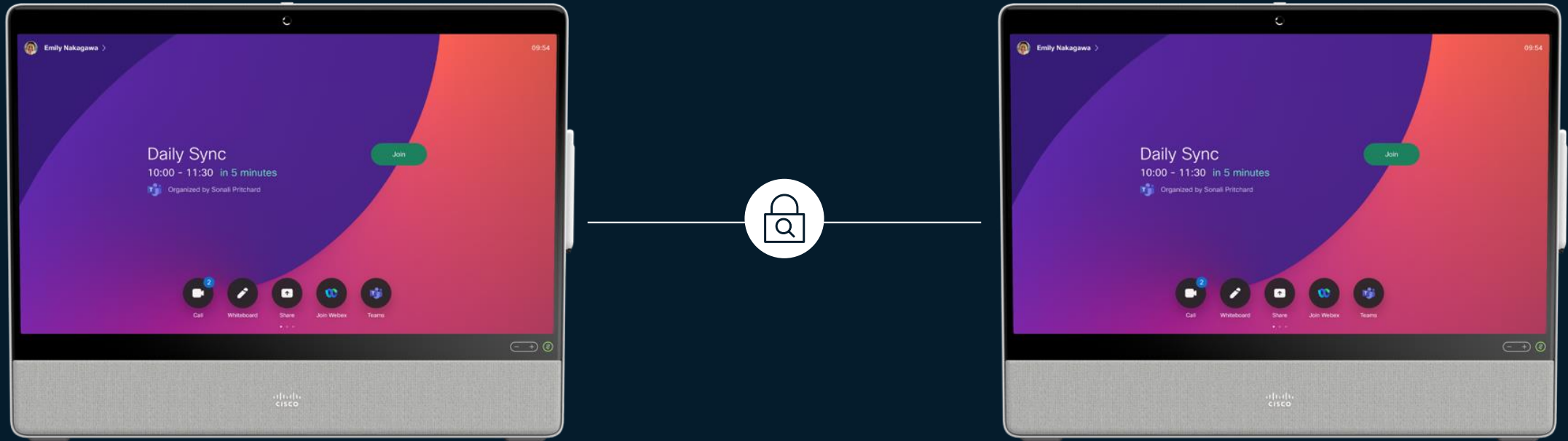








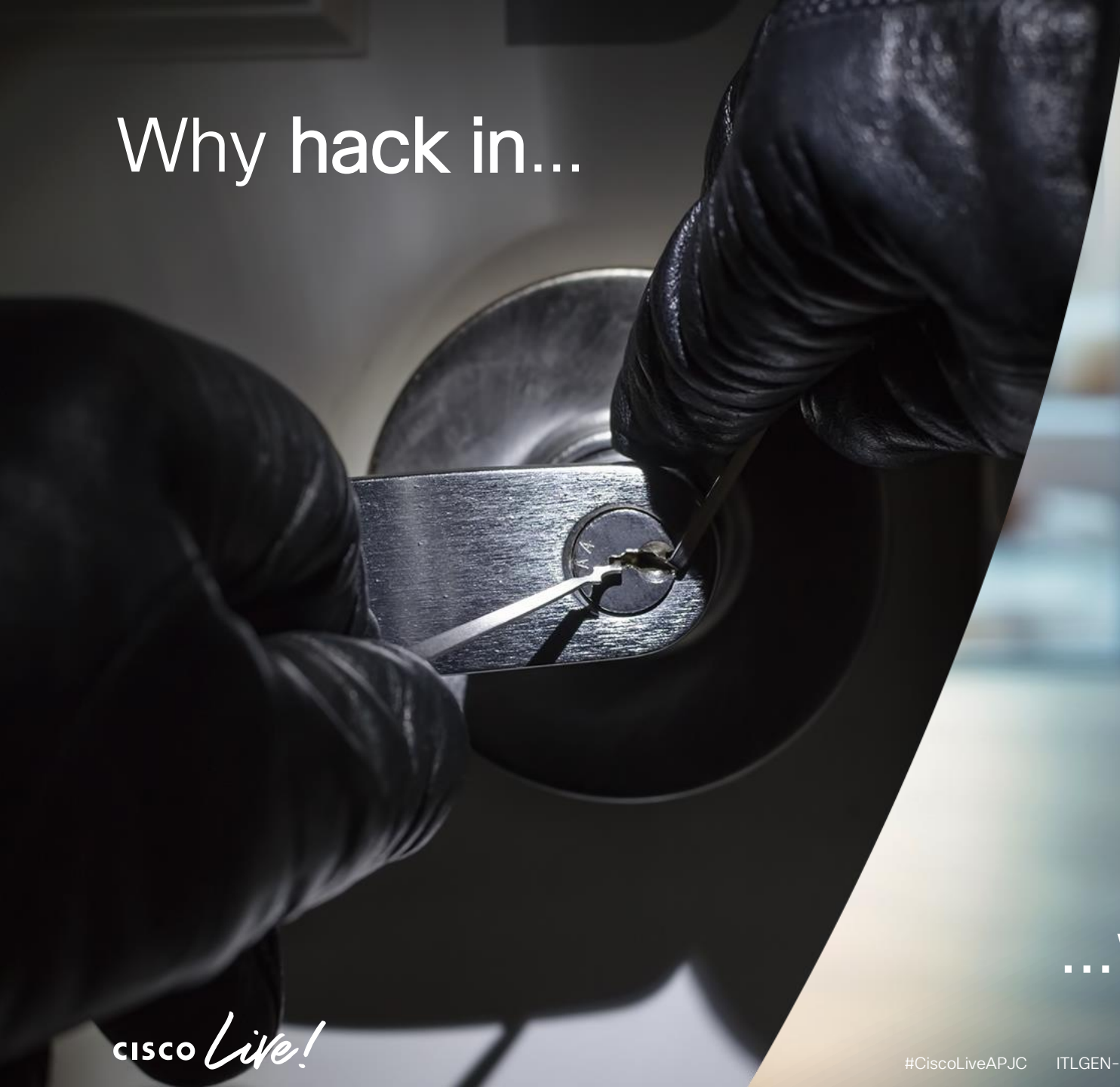
The Need to Validate and Verify Identity





#6 Identity

Why hack in...



...when you can login?



Employees are the *Weakest Link* in a company's Cyber Defense *Perimeter*



Adversaries
are using
the human factor
to *exploit this*
Cyber weakness

Evolution of Identity Theft – Session *Hijacking*

The screenshot shows a web browser window with the URL `techreport.com/news/session-hijacking/`. The page features the Techreport logo and a navigation menu with categories like News, Statistics, Software, Crypto, Streaming, Gambling, Gadgets, and About. The article title is "Session Hijacking Is Back: MFAs No Longer Safe" by Krishi Chowdhary, a Journalist. It was updated on October 4, 2024, at 2:47 AM. The article includes three key points about session hijacking and a sidebar titled "Why Trust Tech Report" which states that Tech Report is one of the oldest hardware, news, and tech publications.

Session Hijacking is Back: MF x

techreport.com/news/session-hijacking/

Techreport English

News Statistics Software Crypto Streaming Gambling Gadgets About

Home > Session Hijacking Is Back: MFAs No Longer Safe

NEWS

Session Hijacking Is Back: MFAs No Longer Safe

Krishi Chowdhary • Journalist

Updated: October 4, 2024 | 2:47 AM

Disclosure Share

- Session hijacking has now evolved with modern methods capable of bypassing MFA checks.
- Aitm, BitM, and infostealers are the main tools of session hijacking.
- Antiviruses, EDR, and in-app controls can still prove to be effective against these attacks.

Why Trust Tech Report

Tech Report is one of the oldest hardware, news, and tech



First Time Access



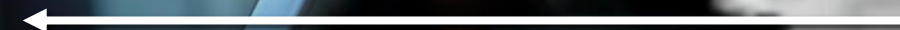
Set Session-ID in Cookie



Access Page Again
with Cookie



Get Data





Install Malware



2 Hijack Cookie



Copy Cookie



salesforce

4

Access Page Again
with Cookie

Get Data

5

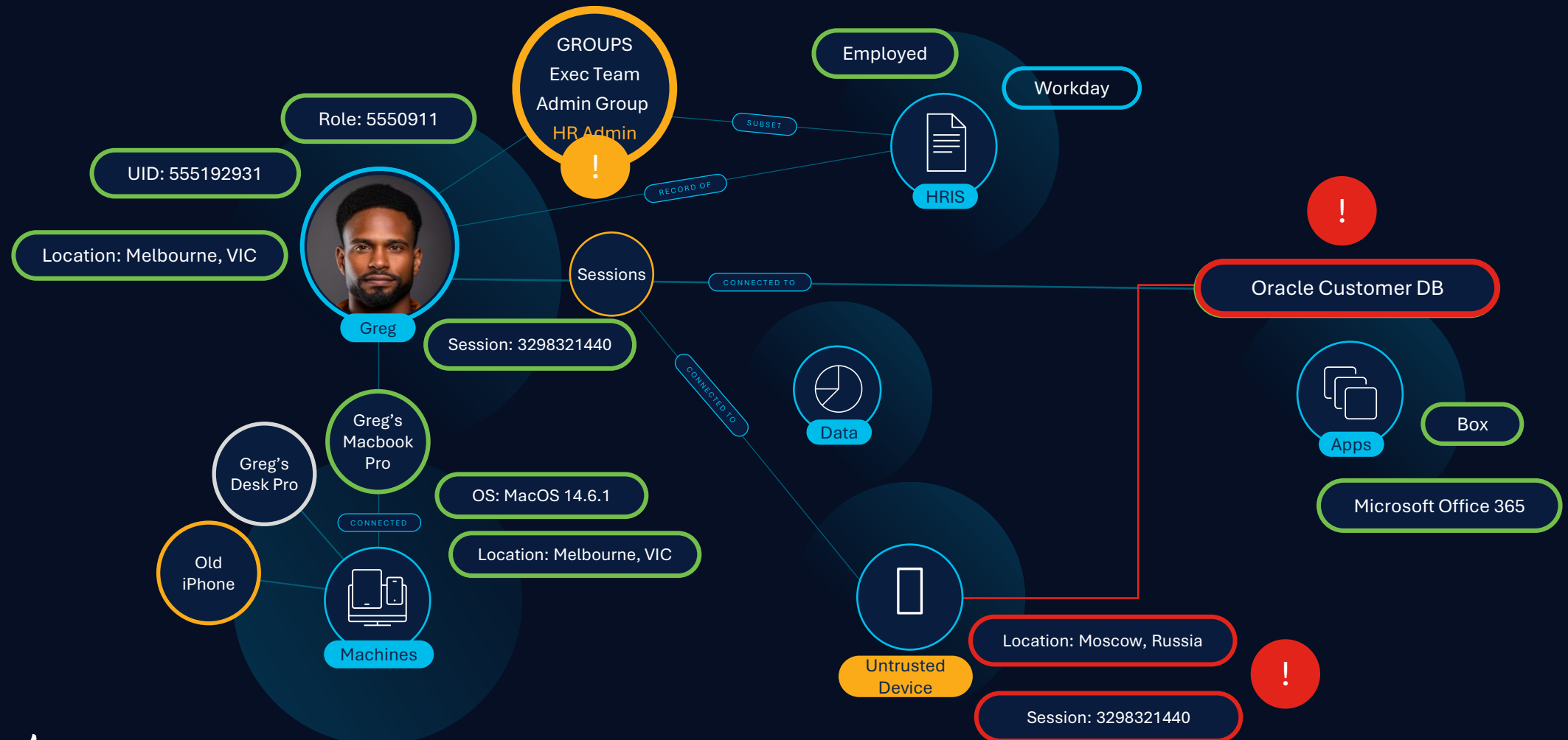
cisco *Live!*

#CiscoLiveAPJC ITLGEN-1013

© 2024 Cisco and/or its affiliates. All rights reserved. Cisco Public

Identity Graph Analytics

Contextual Visibility | Advanced Defense





#7 Digital Twin

Digital Twin

/ Dig · i · tal twin /

noun

1. A Digital Twin is a **virtual representation of real-world entities and processes**, synchronized at a specific frequency and fidelity.

NFL Digital Athlete

“A virtual representation of an athlete that can be used to better predict and prevent player injuries”

The screenshot displays the NFL's Digital Athlete interface. At the top, there's a navigation bar with links for WATCH, GAMES, NEWS, TEAMS, and STATS, along with a 'WATCH WEEK 7 GAMES' button. A 'GAME PASS' banner is also visible. The main content area features a large image of a football player in a red jersey, with a blue digital twin silhouette overlaid. To the left of the player, there's a 'DIGITAL ATHLETE MODEL' section with two progress bars: 'PREDICTIVE TWIN' at 81.18% and 'DIGITAL TWIN' at 78.43%. Below this, a 'MITIGATION MODEL' box shows a 'PROJECTED INJURY RISK' of 1.8%. The player's name 'K. MURRAY' is visible. To the right of the player, there are three line graphs showing different metrics over time. Below the main image, the text reads: 'NFL's Digital Athlete' followed by a paragraph: 'The NFL and AWS are building the "Digital Athlete," a virtual representation of an NFL player that can be used to better predict and eventually prevent player injury. Check out more on the Digital Athlete and how the NFL is leveraging data and machine learning to make the game safer for players.'



Virtual Singapore – Digital Twin

“Assist with urban planning and design, infrastructure and transpiration optimization, disaster management and resilience”

A detailed image of the SpaceX Dragon X spacecraft in space. The white capsule is shown from a side-on perspective, with its large circular hatch open. The word "SPACEX" and the American flag are visible on the side. To the right, a portion of the International Space Station (ISS) is visible, showing complex structural elements and solar panel arrays. The background is the blackness of space with a thin blue line of the Earth's atmosphere at the bottom.

SpaceX Dragon X

“Utilize virtual simulation to monitor systems and evaluate operation of craft in flight”



Commonwealth Bank

“Digital twin of the bank's home lending service to optimize and streamline customer experience”

Seance AI - Commune with lo x +

seanceai.com

Seance AI

Features Pricing About Us

Sign in with Google

Create and Share a Seance with a loved one using AI.

Here is where AI meets the afterlife, and love endures beyond the veil.
Start your adventure today and let your loved ones speak to your heart once again.

Begin Your Seance Experience →

or

Séance AI

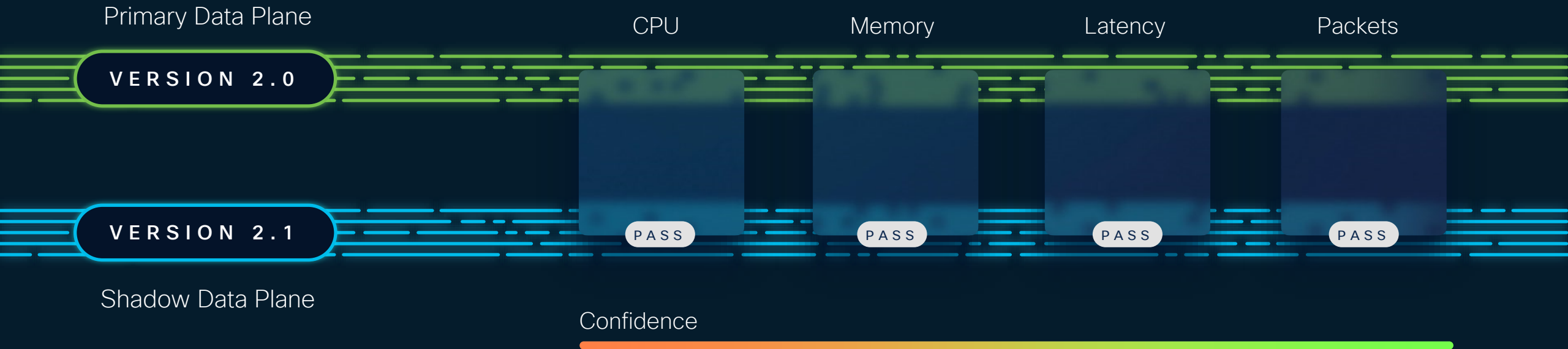
“Create a digital AI Avatar of a lost loved one”

A Startup by

AE.STUDIO

Cisco Digital Twin Use Case *Patching and OS Upgrades*

Digital Twin - Upgrades



Digital Twin - Upgrades

Primary Data Plane

VERSION 2.0

VERSION 2.1

Shadow Data Plane

#8 Cloud

Cloud Adoption – \$1 Trillion Market in 2024



The screenshot shows a web browser displaying a Business Wire article. The browser's address bar shows the URL: businesswire.com/news/home/20201015005069/en/Cloud-Adoption-and-Opportunities-Will-Continue-to-Expand-Leading-to-a-1-Trillion-Market-in-2024-According-to-IDC. The Business Wire logo is in the top left, and 'Log In' and 'Sign Up' links are in the top right. The IDC logo is centered below the header. The article title is 'Cloud Adoption and Opportunities Will Continue to Expand Leading to a \$1 Trillion Market in 2024, According to IDC'. The date and time are 'October 15, 2020 08:30 AM Eastern Daylight Time'. The main text states that the COVID-19 pandemic has accelerated cloud adoption and that worldwide spending on cloud services will surpass \$1.0 trillion in 2024 with a CAGR of 15.7%.

Cloud Adoption and Opportunities Will Continue to Expand Leading to a \$1 Trillion Market in 2024, According to IDC

October 15, 2020 08:30 AM Eastern Daylight Time

FRAMINGHAM, Mass.--(BUSINESS WIRE)--The COVID-19 pandemic has largely proven to be an accelerator of cloud adoption and extension and will continue to drive a faster conversion to cloud-centric IT. According to a new whole cloud forecast from International Data Corporation (IDC), total worldwide spending on cloud services, the hardware and software components underpinning cloud services, and the professional and managed services opportunities around cloud services will surpass \$1.0 trillion in 2024 while sustaining a double-digit compound annual growth rate (CAGR) of 15.7%.

According to a new IDC forecast worldwide spending on the whole cloud opportunity (offerings, infrastructure, and services) will surpass \$1.0 trillion in 2024 while sustaining a double-digit compound annual growth rate (CAGR) of 15.7%.

Cloud Trends to be *Aware of*

Cloud
Cost Pressures



Industry Cloud
Platforms



Private/Public
Multi-Cloud



Cloud
Repatriation



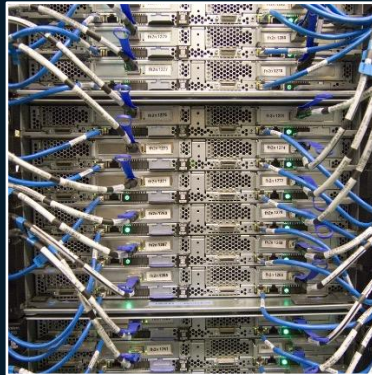
Cloud
Gaming



Low/No
Code



Edge AI
Compute



Serverless
Compute

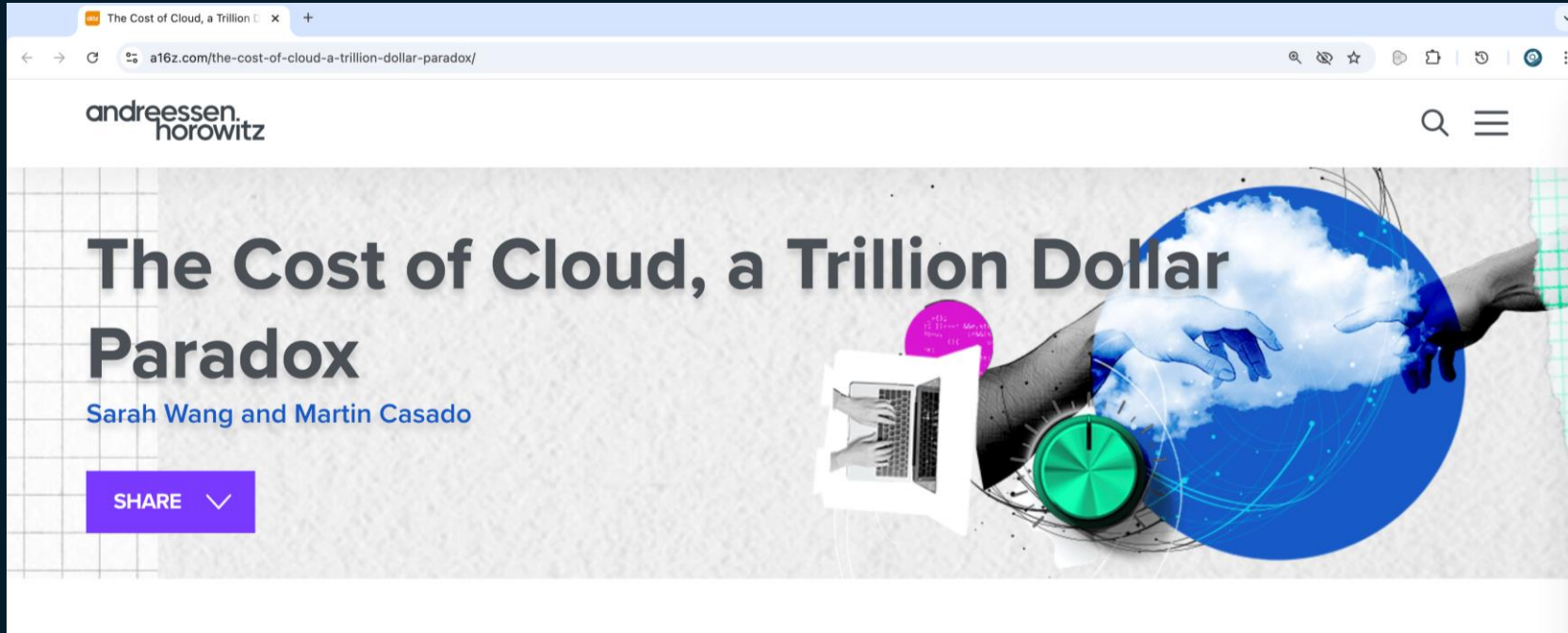


Cloud AI
Security



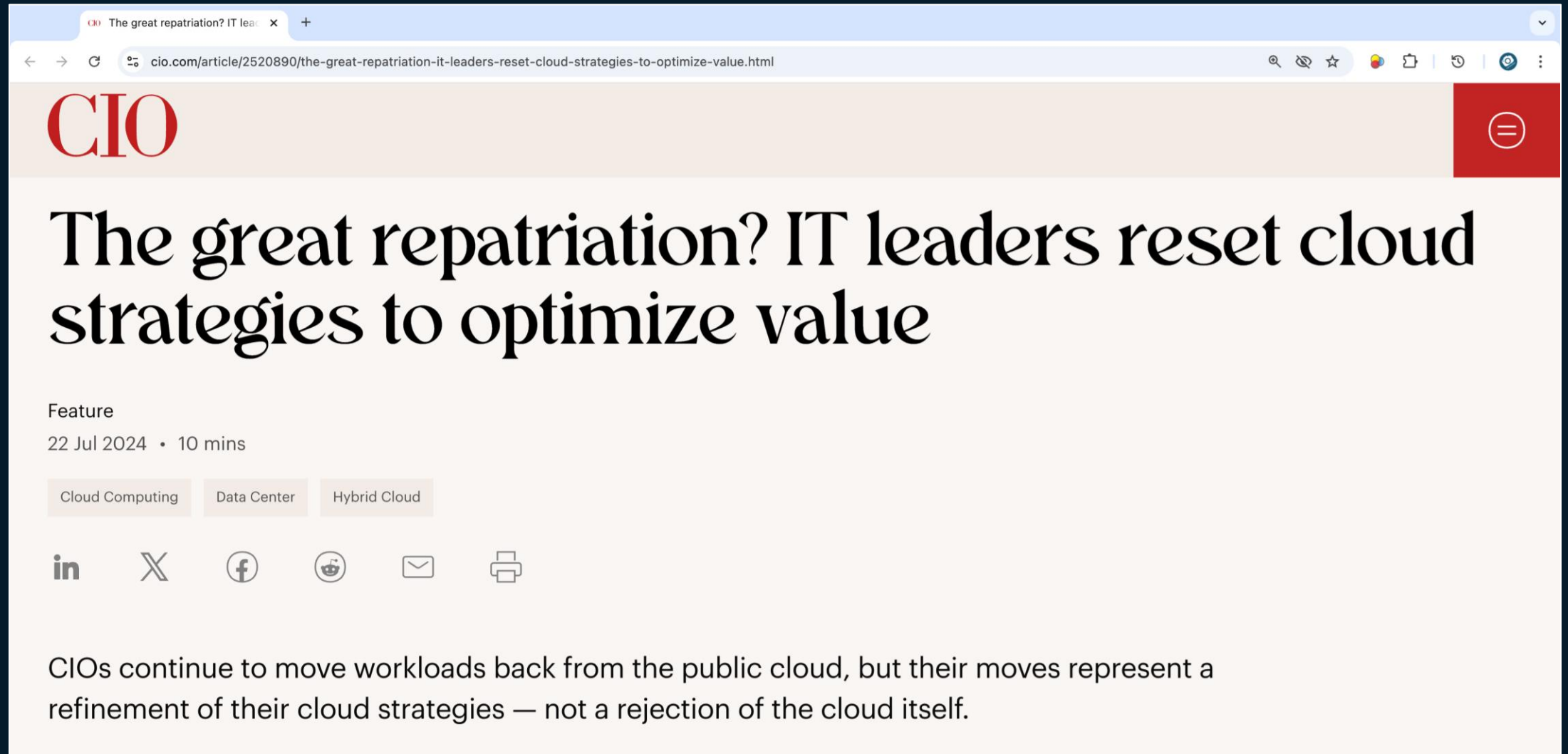
AI-as-a-Service

The Cloud Paradox



Andreessen Horowitz (Venture Capitalists)
*“You’re crazy if you don’t start in the cloud;
you’re crazy if you stay on it”*

The Definition of Hybrid Cloud is *Evolving*



The screenshot shows a web browser displaying a CIO article. The browser's address bar shows the URL: cio.com/article/2520890/the-great-repatriation-it-leaders-reset-cloud-strategies-to-optimize-value.html. The CIO logo is in the top left, and a red menu button is in the top right. The article title is 'The great repatriation? IT leaders reset cloud strategies to optimize value'. Below the title, it says 'Feature' and '22 Jul 2024 • 10 mins'. There are three tags: 'Cloud Computing', 'Data Center', and 'Hybrid Cloud'. Below the tags are social media sharing icons for LinkedIn, X, Facebook, Reddit, Email, and Print. The article text begins with 'CIOs continue to move workloads back from the public cloud, but their moves represent a refinement of their cloud strategies — not a rejection of the cloud itself.'

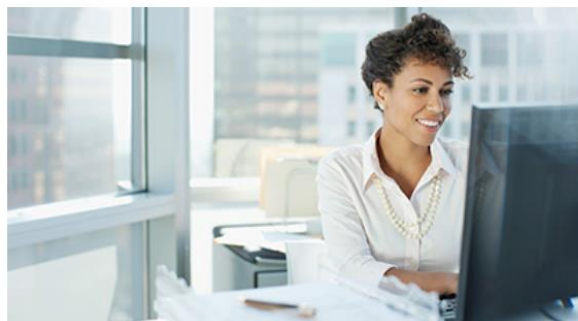
The great repatriation? IT leaders reset cloud strategies to optimize value

Feature
22 Jul 2024 • 10 mins

Cloud Computing Data Center Hybrid Cloud

in X f reddit email print

CIOs continue to move workloads back from the public cloud, but their moves represent a refinement of their cloud strategies — not a rejection of the cloud itself.



TECH SUPPLIER

Jun 2024 - IDC Survey - Doc # US50903124

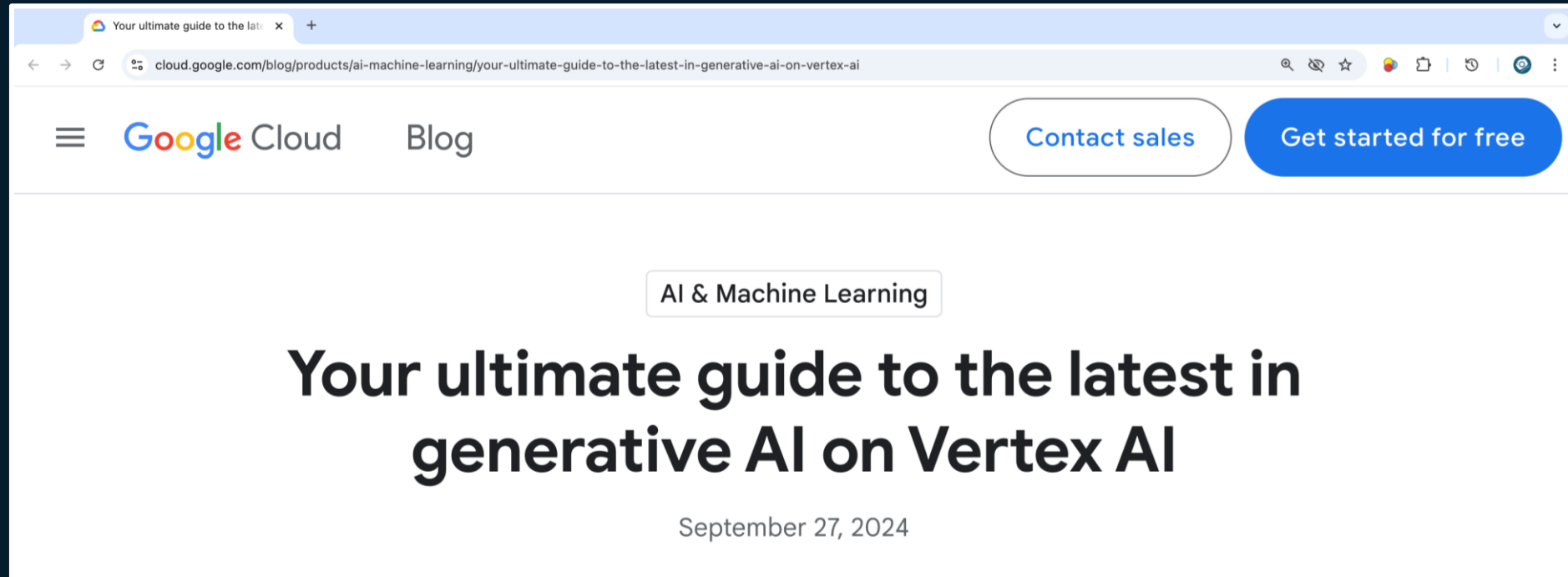
Assessing the Scale of Workload Repatriation: Insights from IDC's Server and Storage Workloads Surveys, 1H23 and 2H23

By: [Natalya Yezhkova](#)

80%
of Respondents

“Expect to see some level of repatriation of compute and storage resources in the next 12 months.”

AI-as-a-Service



Global companies using **AI-aaS** to rapidly deploy
AI services to *supercharge* their business

AI-as-a-Service Examples



*AI Natural
Language
Travel Chatbot*



*OnStar
Virtual
Assistant*



*Moto
Smartphone
Assistant*



*Snapchat
MyAI
Chatbot*



*Telecom Italia
AI Voice
Agent*



*VW USA
MyVW
Virtual
Assistant*



*Troubleshoot
Electronic
Product Issues*



*Better
Search &
Listing
Suggestions*



*Improve Fan
Experience in
Stadium App*



*Travel
Planner
Chatbot*



*Mercedes
Smart Sales
Assistant*



*Personalised
offers on
Target App*

#9 Retrieval Augmented Generation (RAG)

What is the Problem *Statement*?

Generative AI Models

General in Purpose – Not Trained for Purpose Specific

Google Gemini – Anthropic Claude – OpenAI ChatGPT



Large Language Models *Are also Prone to Hallucinations*

Leading to Response Inconsistencies and Loss of Trust

The Industry has a *Potential* Solution

Retrieval Augmented Generation

Enhancing the accuracy and optimizing the output of a Large Language Model using a Trusted External Data Source

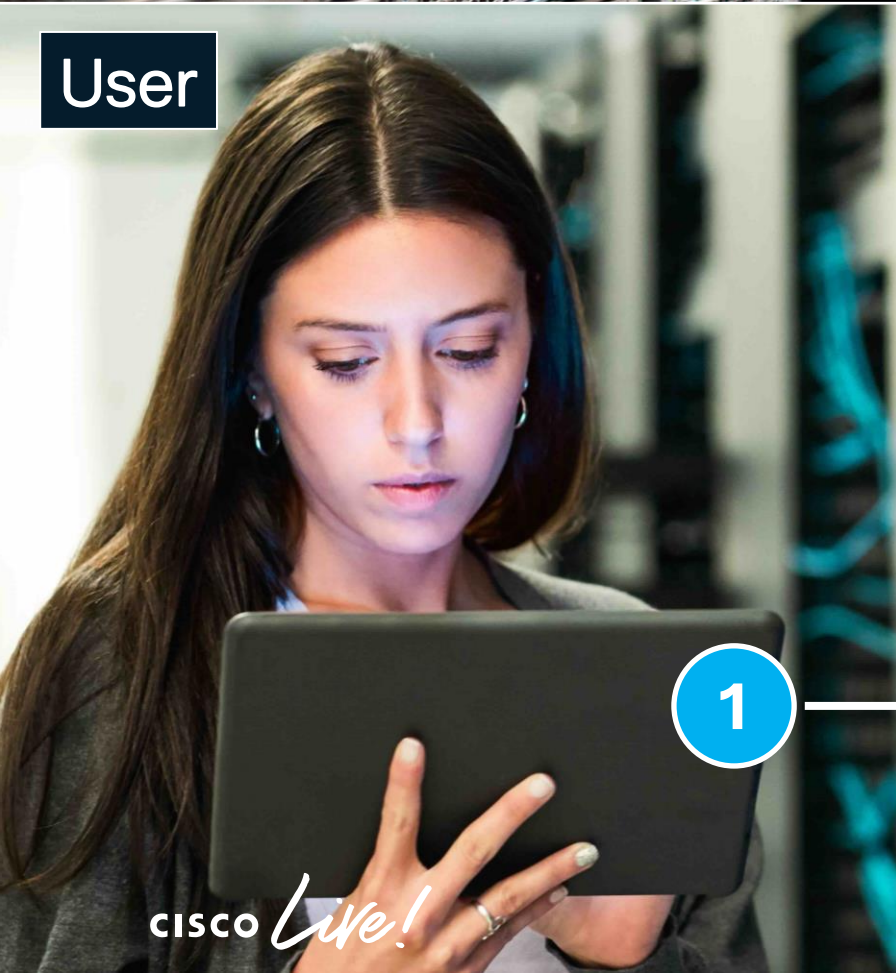
A man with glasses and a dark jacket is working in a server room. He is focused on a network switch in the foreground, with his hands on the ports. In the background, there are server racks with glowing blue lights and complex wiring. The overall atmosphere is high-tech and professional.

Here is how it works

Knowledge Repository



User



Embedding Model



Vector Database



LLM



Knowledge Repository

2

User

Embedding Model

Vector Database

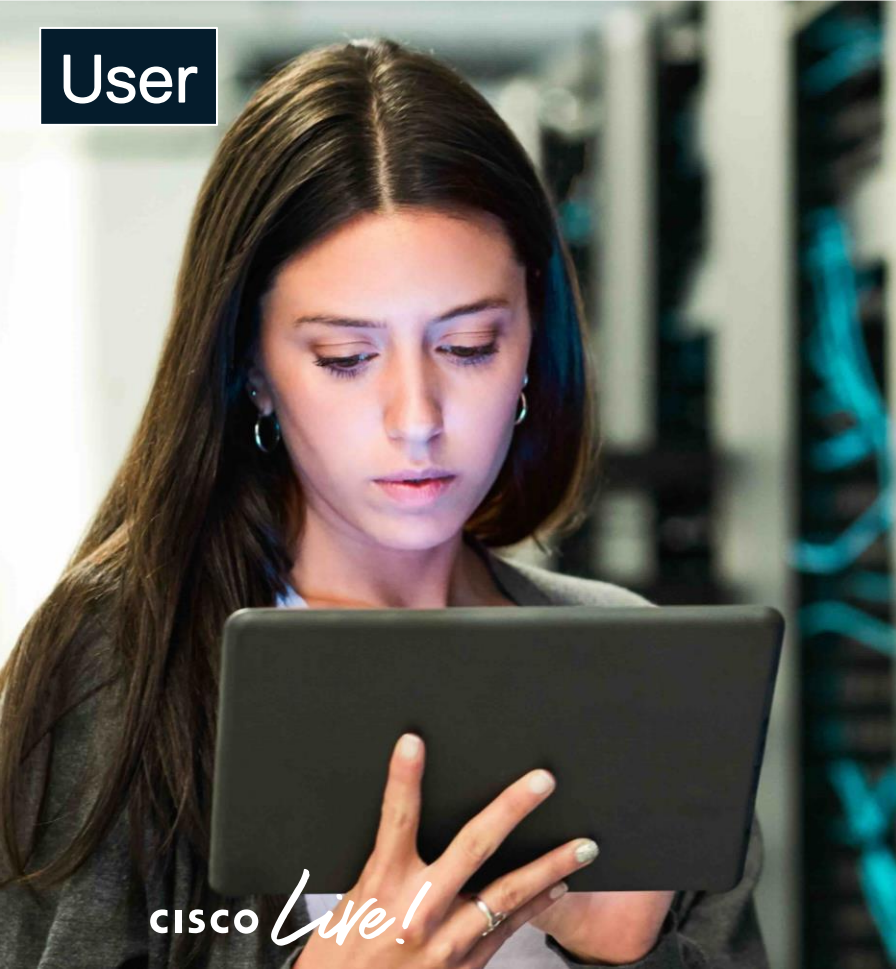
LLM



Knowledge Repository



User



cisco *Live!*

DATA-DB

3

Embedding
Model

Vector
Database

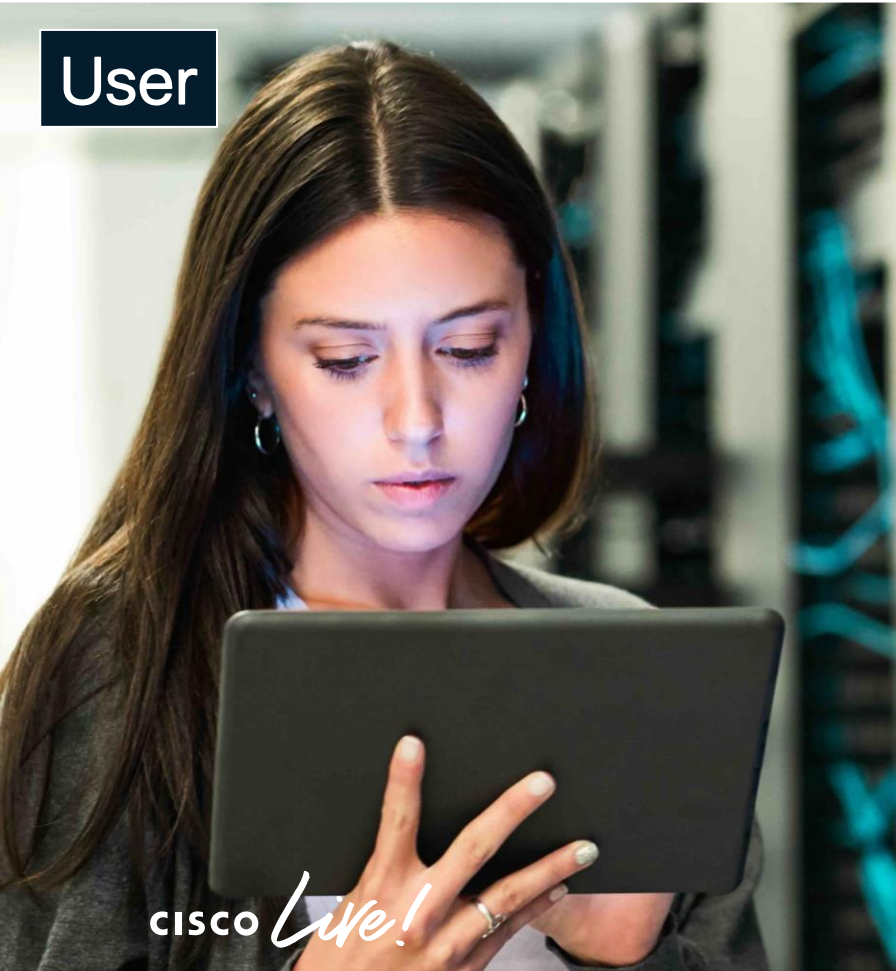
LLM

3

Knowledge Repository



User



cisco Live!

Embedding
Model

Vector
Database

LLM

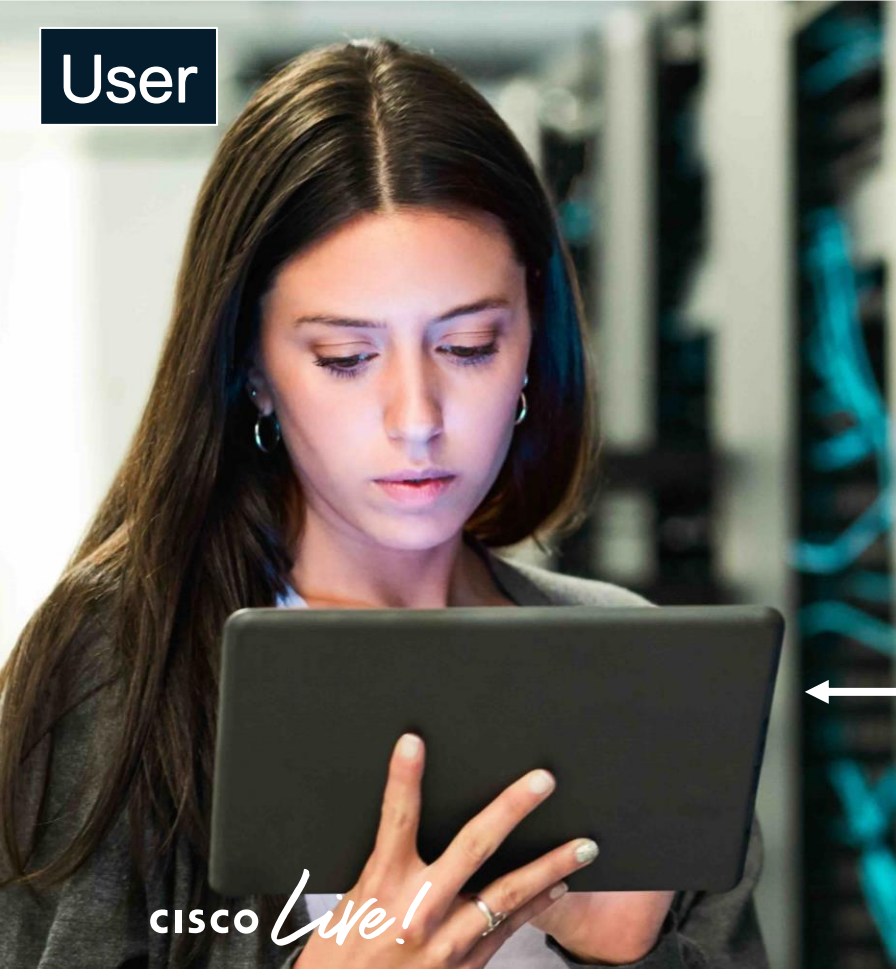
4

4

Knowledge Repository



User



cisco Live!

Embedding
Model



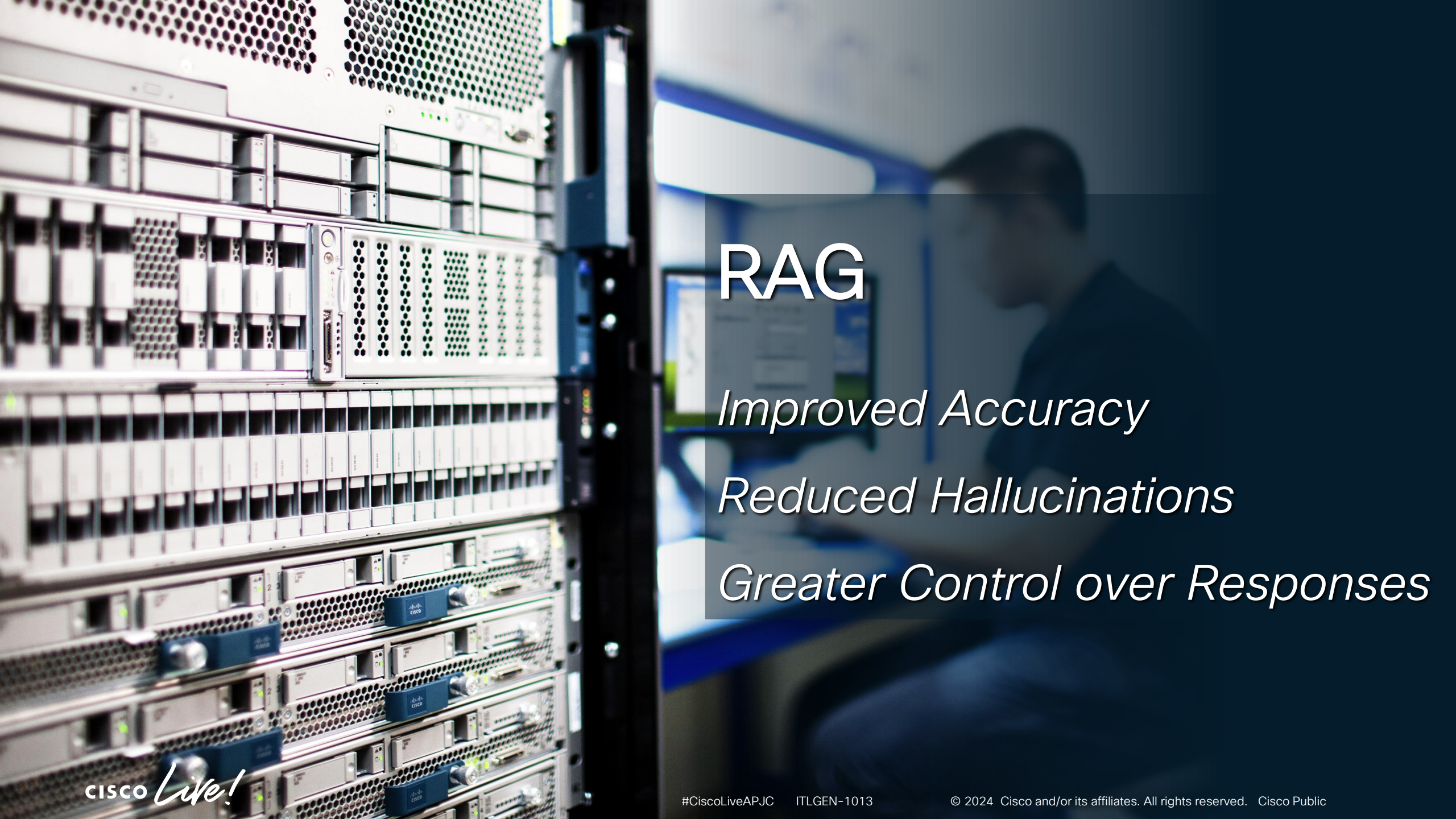
Vector
Database



LLM



5

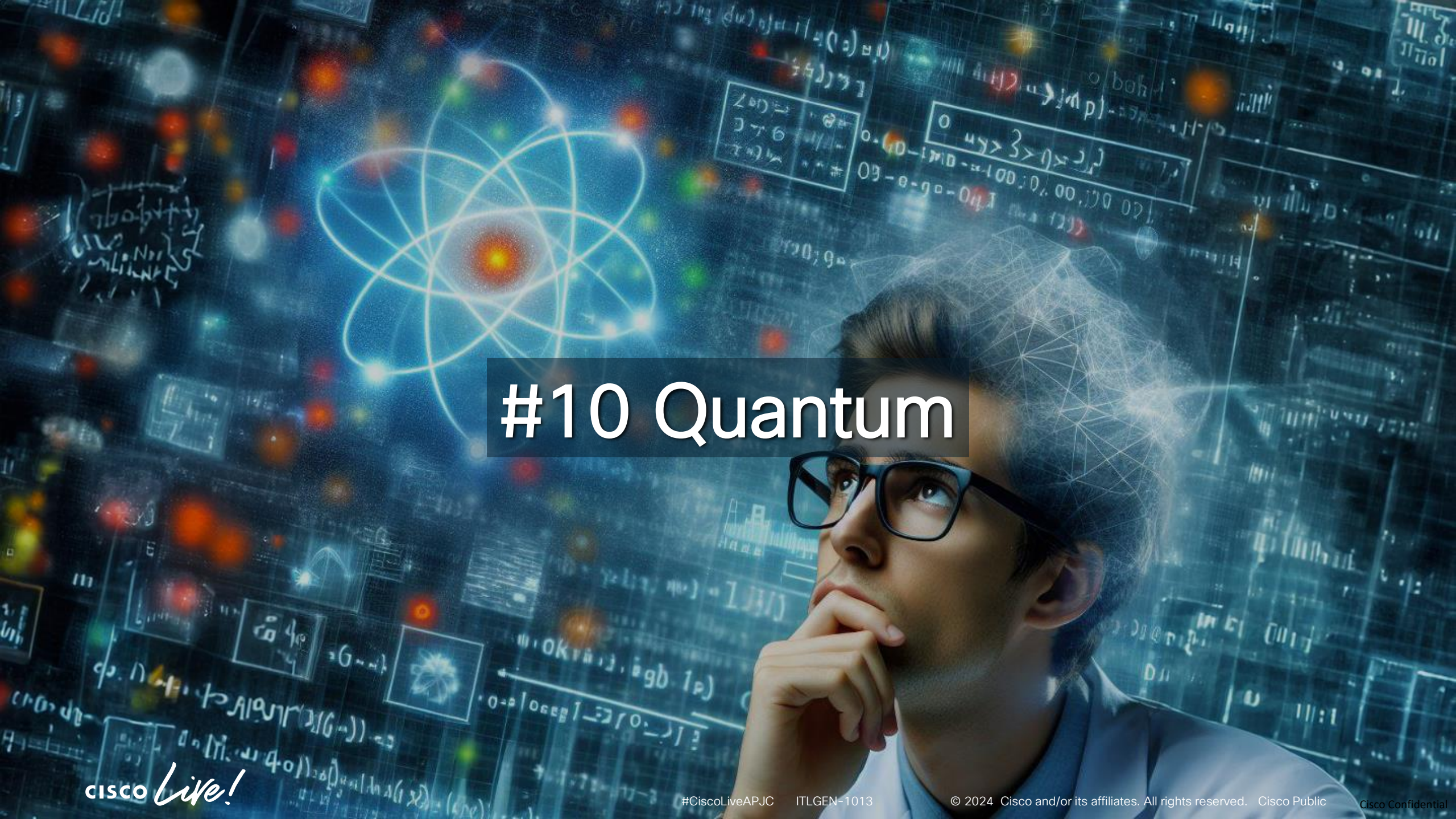


RAG

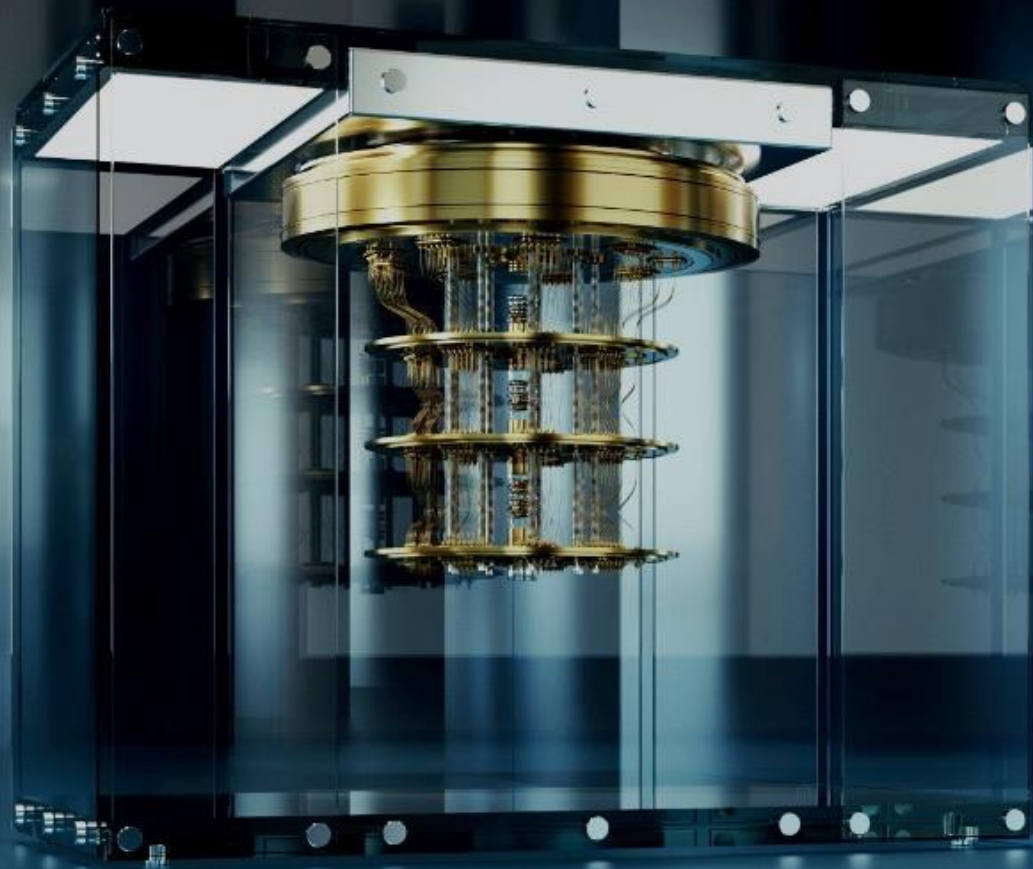
Improved Accuracy

Reduced Hallucinations

Greater Control over Responses



#10 Quantum

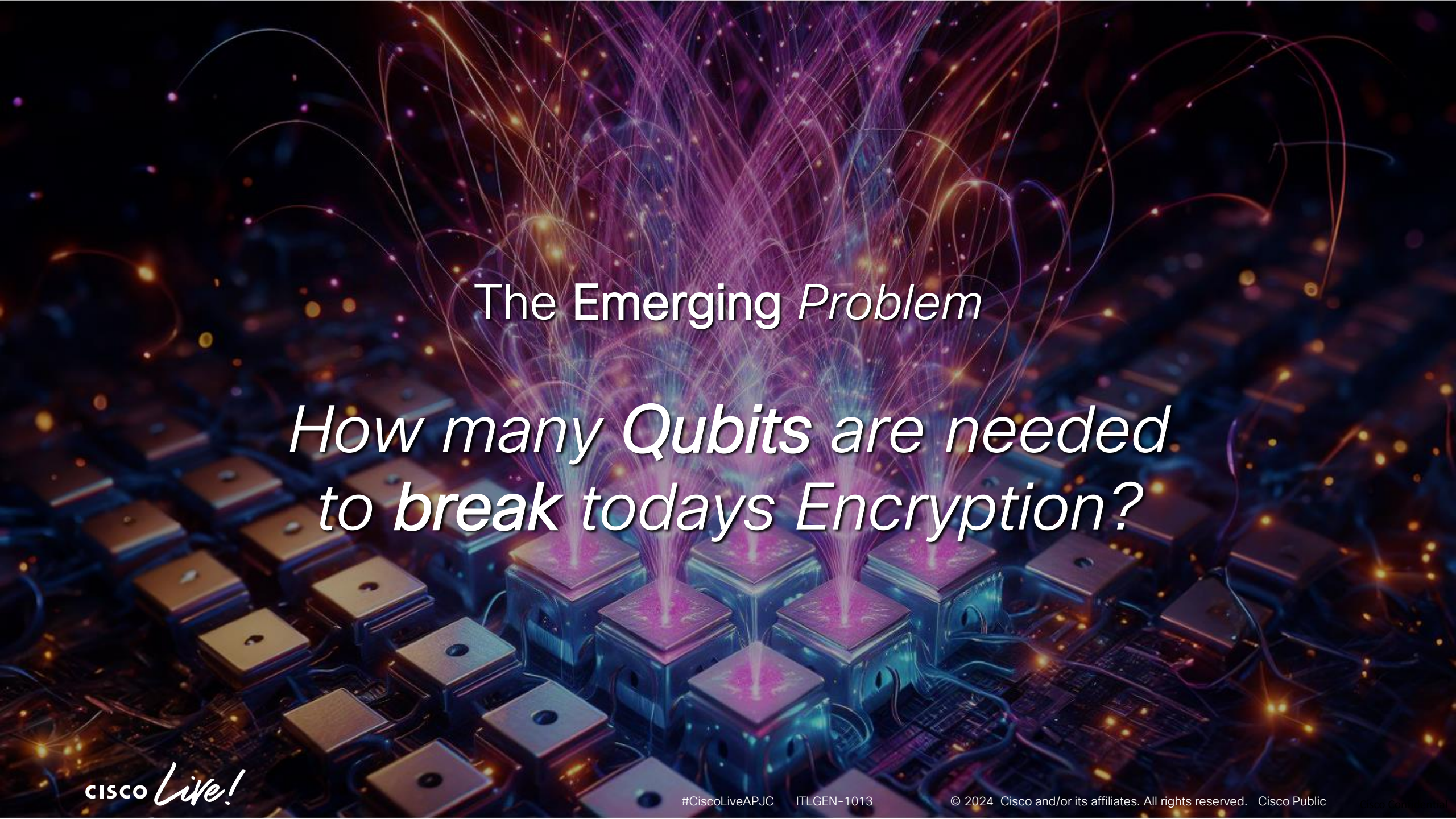


The Promise of Quantum

Computational Processing at levels not possible with Traditional Computing

*A 127 QUBIT Quantum Computer can process in one second
what a Traditional Supercomputer can process in 2,500 years*





The Emerging *Problem*

*How many Qubits are needed
to break today's Encryption?*

4000 Qubits

Can theoretically break RSA-2048

6600 Qubits

Can theoretically break AES-256



To Put This into Context

December 2023
IBM released the Condor Quantum ASIC

1121 QUBIT ASIC

Cracking Today's *Encryption*

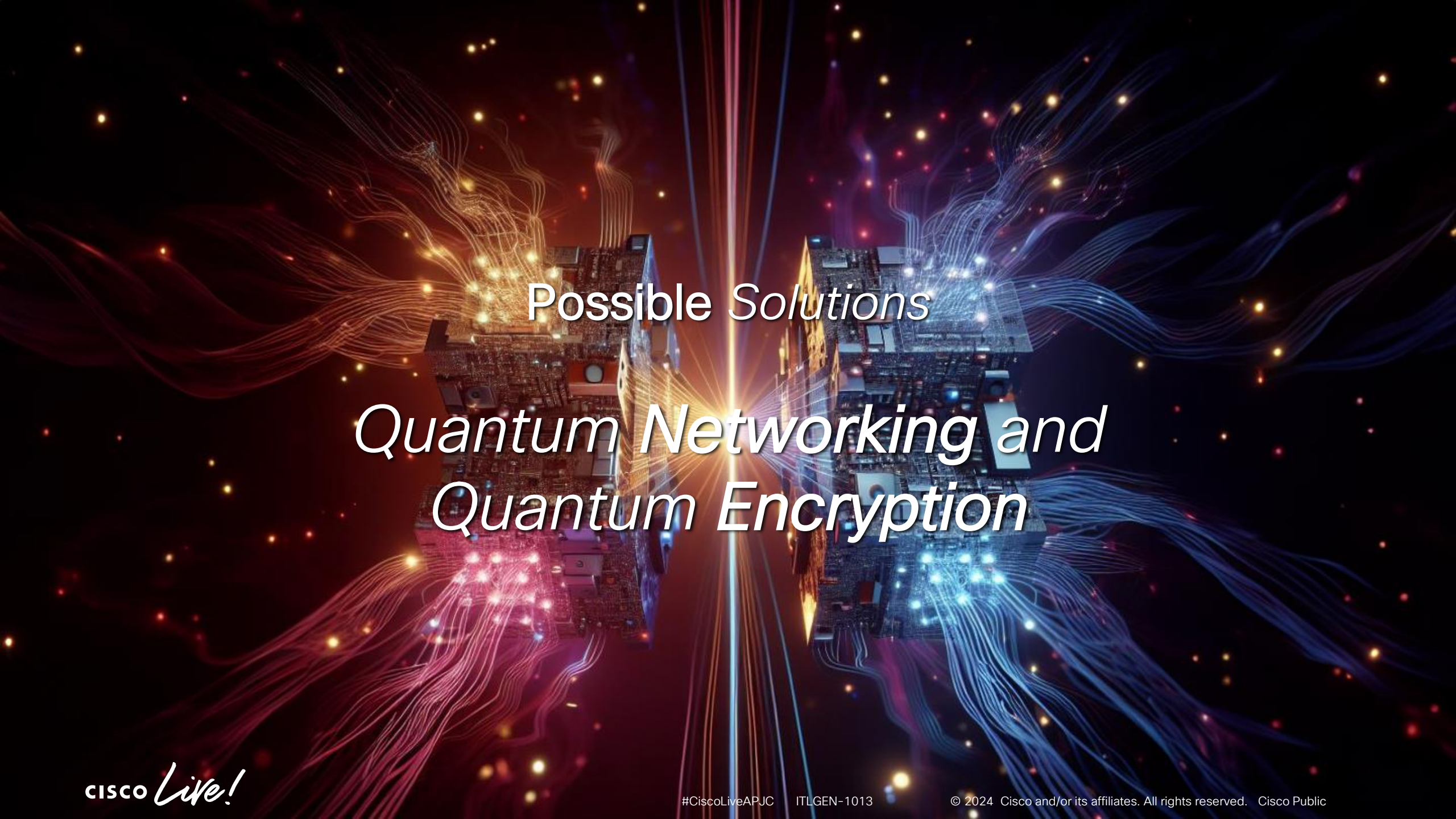
The screenshot shows a web browser displaying a Tom's Hardware article. The browser's address bar shows the URL: `tomshardware.com/tech-industry/quantum-computing/chinese-scientists-use-quantum-computers-to-crack-military-grade-encryption-quantum-attack-poses-a-real-and-substantial-t...`. The Tom's Hardware logo is in the top left, and social media icons (Facebook, X, Instagram, YouTube, RSS) are in the top right. A navigation bar below the logo includes links for Home, Best Picks, Raspberry Pi, CPUs, GPUs, 3D Printers, News, Coupons, More, and Forums. A large banner image with the word 'WAR' in a stylized font is visible. Below the banner, a 'TRENDING' section lists: Intel Arrow Lake, AMD EPYC, Nvidia Blackwell, Intel Lunar Lake, and AMD Instinct MI355X. The article title is 'Chinese scientists use quantum computers to crack military-grade encryption — quantum attack poses a "real and substantial threat" to RSA and AES'. It is categorized as 'News' and is by Mark Tyson, published yesterday. The article text begins with 'Claim an effective attack on widely used encryption algorithms.' At the bottom, there are social media sharing icons and a 'Comments (17)' link.

Chinese scientists use quantum computers to crack military-grade encryption — quantum attack poses a "real and substantial threat" to RSA and AES

News By Mark Tyson published yesterday

Claim an effective attack on widely used encryption algorithms.

Comments (17)

The background is a dark, deep blue space filled with glowing particles and light trails. Two circuit boards are positioned vertically, facing each other. From the boards, numerous thin, wavy lines of light (red, orange, and blue) emanate, creating a sense of dynamic energy and data flow. A bright, multi-colored light source is located between the boards, casting a strong glow and creating a lens flare effect.

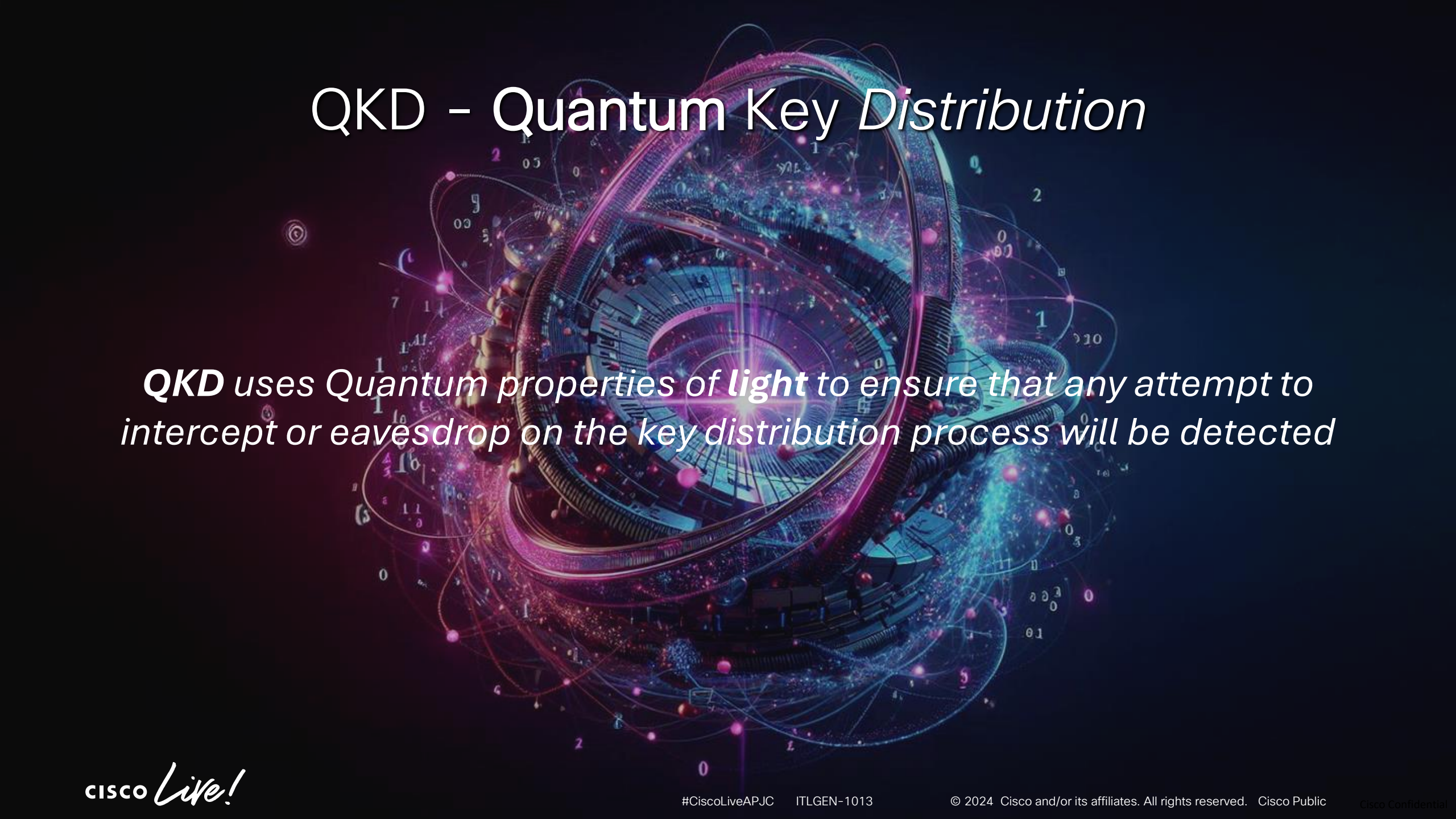
Possible Solutions

Quantum Networking and Quantum Encryption

PQC – Post Quantum Cryptography

PQC Algorithms are based on Mathematical Problems that are believed to be difficult for both classical and quantum computers to solve

QKD – Quantum Key *Distribution*



QKD uses Quantum properties of **light** to ensure that any attempt to intercept or eavesdrop on the key distribution process will be detected

QKD – Quantum Key *Distribution*

Provides Unconditional Security, meaning it is theoretically impossible to eavesdrop on a QKD-protected communication channel without being detected

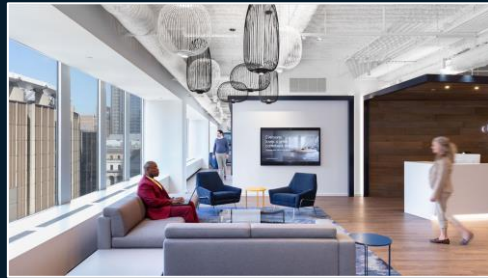
Wrapping *Up*

Top 10 Predictions *Summary*

NetZero



Workspaces



AI



LLMOps



Digital Twin



Deep Fakes



Identity



Cloud



RAG



Quantum





Thank you

CISCO *Live!*

#CiscoLiveAPJC