Impacto da IA na Infraestrutura dos Data Centers







Tecnologias avançadas para a inovação na indústria dos Data Centers









ChatGPT





Dezembro de 2022

perplexity



Março 2023



Microsoft Copilot





Dez 2023



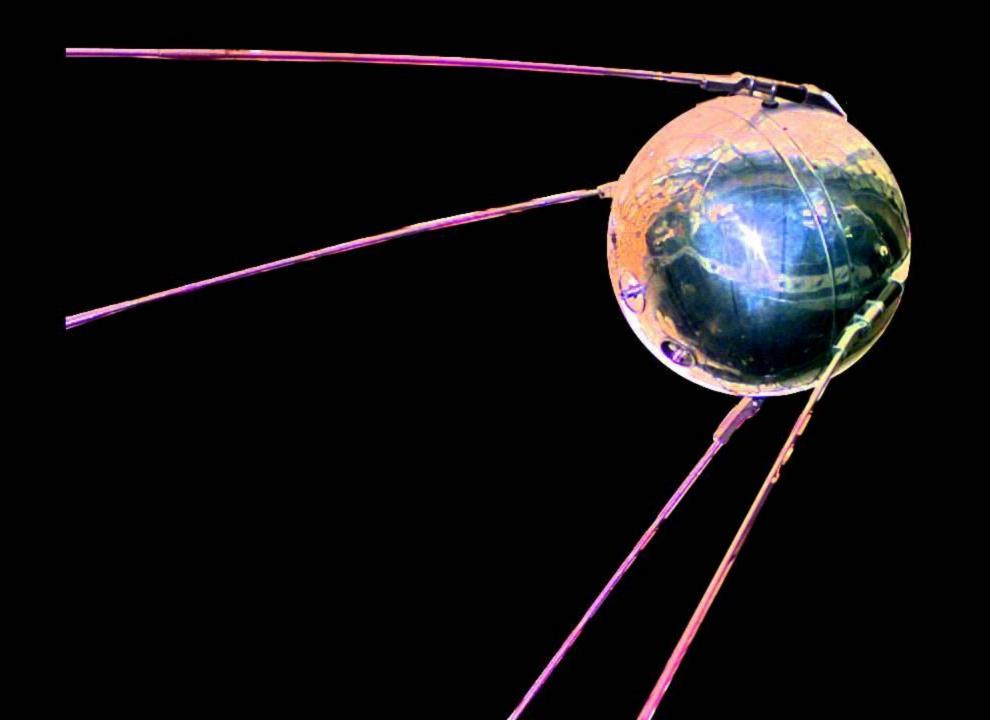


Jan 2024











"All the News That's Fit to Print"

The New York Times.

Mostly fair tomorrow.

Temp. range: 65-53. Yesterday: 62.4-49.2

VOL. CVII., No. 36,414.

© 1957, by Tihe New York Times Company, Times Square, New York 36, N. Y

NEW YORK, SATURDAY, OCTOBER 5, 1957.

FIVE CENTS

SOVIET FIRES EARTH SATELLITE INTO SPACE: IT IS CIRCLING THE GLOBE AT 18,000 M. P. H.; SPHERE TRACKED IN 4 CROSSINGS OVER U.S.

HOFFA IS ELECTED TEAMSTERS'HEAD: WARNS OF BATTLE

Defeats Two Foes 3 to 1 -Says Union Will Fight 'With Every Ounce'

Text of the Hoffa address is printed on Page 6.

By A. H. RASKIN Special to The New York Times.

MIAMI BEACH, Oct. 4-The scandal - scarred International Brotherhood of Teamsters elected James R. Hoffa as its presi-

He won by a margin of nearly 3 to 1 over the combined vote of two rivals who campaigned on pledges to clean up the nation's biggest union.

Senate rackets investigators and Hoffa critics in the union rank-and-file immediately opened actions to strip the 44year-old former warehouseman from Detroit of his election vic-

A jubilant Hoffa exhibited, however, greater concern over the possibility that his union the possibility that from the light that from the might be ousted from the American Federation of Labor and Congress of Industrial Organizations. He appealed for time to prove that he could make the teamsters "a model of trade unionism."

The parent organization has ordered the 1,400,000-member Teamsters Union to get rid of corrupt leadership by Oct. 24 or face suspension. Hoffa said he felt actions by the union at its week-long convention here should satisfy the federation.



IN TOKEN OF VICTORY: Dave Beck, retiring head of the Teamsters Union, raises hand of James R. Hoffa upon his election as union's president. At right is Mrs. Hoffa.

Says He Will Remain Loyal to People of Arkansas-All Is Quiet at School

By HOMER BIGART Special to The New York Times. LITTLE ROCK, Ark., Oct. 4 Gov. Orval E. Faubus said to-

10% RatePredicted; 200,000 Pupils Out

By ROBERT ALDEN Asian influenza continued to spread through the city yester-

Commissioner of Hospitals Morris A. Jacobs reported that there were ten times more respiratory infections than during

State of Siege Proclaimed satellites that took place here ical Year, described the 184 in Buenos Aires Region -Arrests Reported

the comparable period a year A state of siege, suspending those frequencies. constitutional guarantees, was The tracking system estab-

COURSE RECORDED

Navy Picks Up Radio Signals—4 Report **Sighting Device**

By WALTER SULLIVAN Special to The New York Times

WASHINGTON, Saturday, Oct. -The Naval Research Laboratory announced early today that it had recorded four crossings of the Soviet earth satellite over the United States.

It said that one had passed near Washington. Two crossings were farther to the west. The location of the fourth was not made available immediately.

It added that tracking would be continued in an attempt to pin down the orbit sufficiently to obtain scientific information of the type sought in the International Geophysical Year.

[Four visual sightings, one of which was in conjunction with by early Saturday morning. Two sightings were made at Columbus, Ohio, and one each from Terre Haute, Ind., and Whittier, Calif.]

Press Reports Noted

Soviet newspapers reported on frequencies in the neighbor- heavier than that contemhood of twenty and forty mega- plated by this country. cycles. More exact frequencies Dr. Joseph Kaplan, chairman were given by Soviet scientists of the United States program this week.

Presumably the Naval Re-The heaviest American satelsponsible for the United States and a half pounds. satellite program under the National Academy of Sciences, im-

BUENOS AIRES, Oct. 4— mediately set up receivers on theless, did not take the Amer-

Ptlant ic

The New York Times

The approximate orbit of the Russian earth satellite is shown by black line. The rotation of the earth will bring the United States under the orbit of Soviet-made moon.

a radio contact, were reported Device Is 8 Times Heavier Than One Planned by U.S.

WASHINGTON, Oct. 4-Leaders of the United States These signals were said to be several weeks ago that the So-earth satellite program were astonished tonight to learn strong enough to be picked up viet satellites would broadcast that the Soviet Union had launched a satellite eight times by amateur radio operators. The

at a conference on rockets and for the International Geophyspound weight as "fantastic." search Laboratory, which is re-lites are to weigh twenty-one

The actual launching, never

BROADCAST HERE moving at an angle grees to the equat-

Impulse Carried on Radio and TV-First Reported by Long Island Station

560 MILES HIGH

Visible With Simple Binoculars, Moscow Statement Says

Text of Tass announcement appears on Page 3.

By WILLIAM J. JORDEN

Special to The New York Times MOSCOW, Saturday, Oct. 5-The Soviet Union announced this morning that it successe fully launched a man-made earth satellite into space yester-

The Russians calculated the satellite's orbit at a maximum of 560 miles above the earth and its speed at 18,000 miles an

official Soviet news agency Tass said the artificial moon, with a diameter of twenty-two inches and a weight of 184 pounds, was circling the earth once every hour and thirty-five minutes. This means nore than fifteen times a day.

Two radio transmitters, Tass said, are sending signals continuously on frequencies of 20.005 and 40.002 megacycles. trajectory of the satellite is being tracked by numerous scientific stations.

Due Over Moscow Today

Tass said the satellite was moving at an angle of 65 de-

ow area twice toda "Its flight," the ment added, "will in the rays of the setting sun with the simplest optical in



Jan 2025





Dia 27 de Janeiro de 2025

"....empresas do setor nos Estados Unidos e na Europa chegaram a atingir perdas de

US\$ 1 trilhão em valor de mercado..."



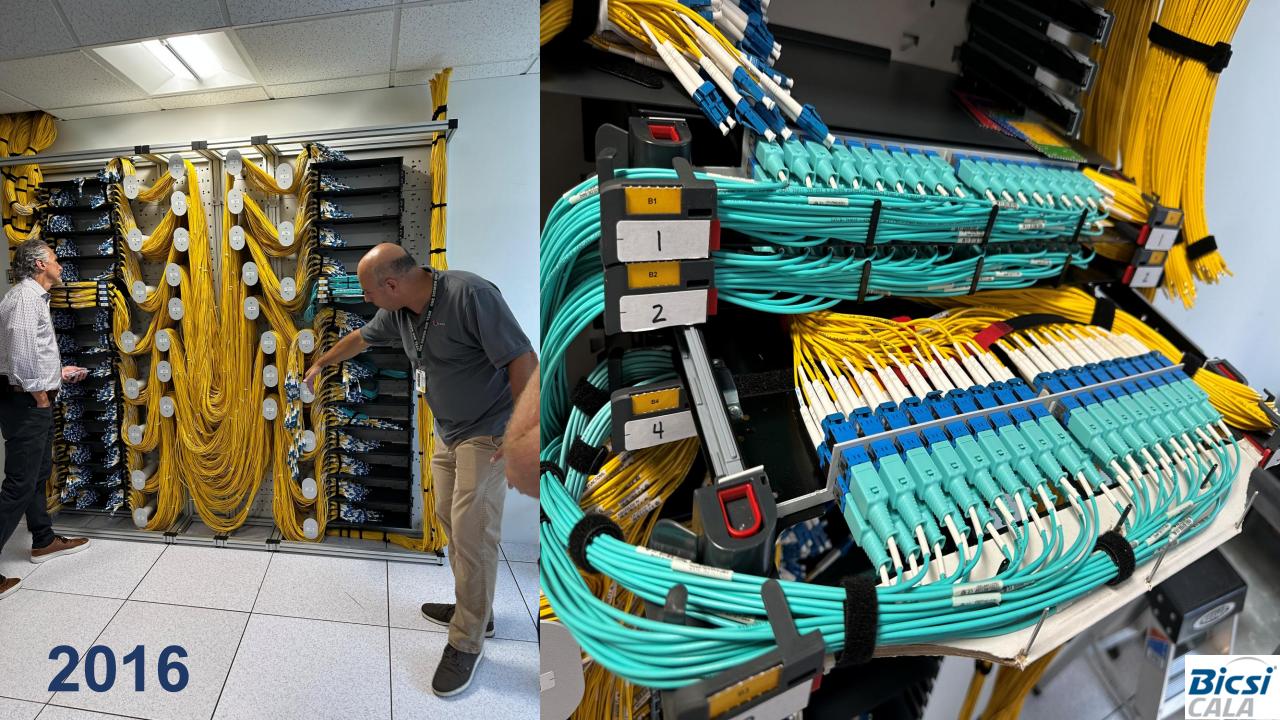








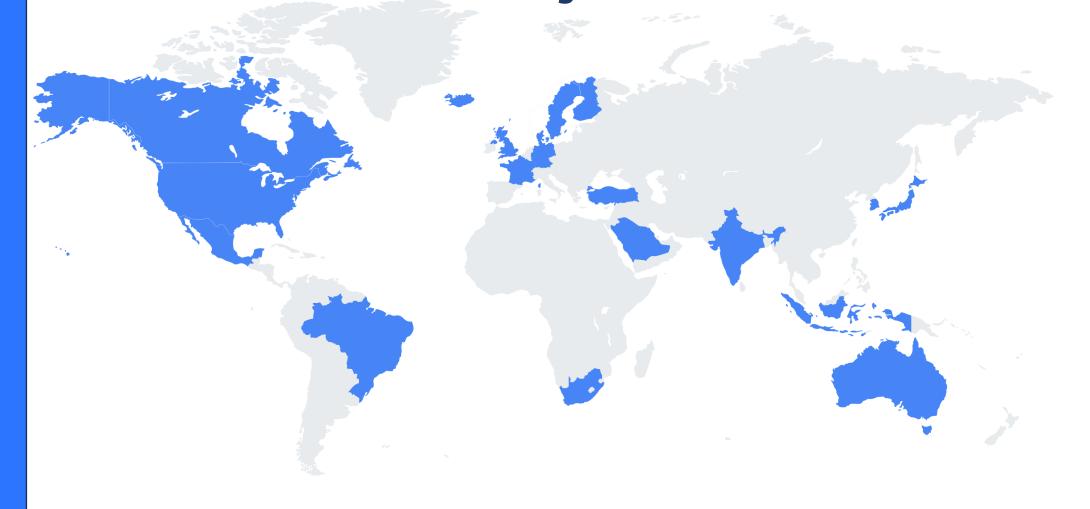






B

18 de abril à 3 de junho



US	1,047	France	179
Canada	200	Nordics	177
JK	175	Japan	117
Germany	175	India	117

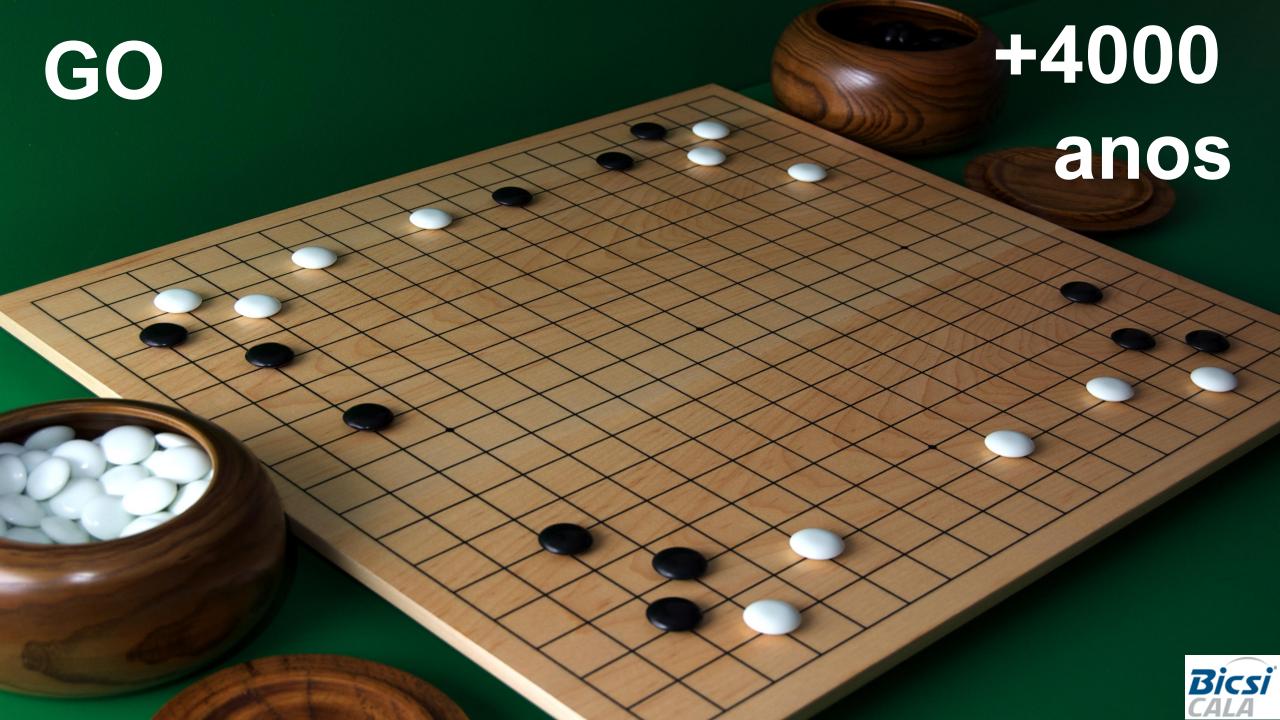
Australia 118 **South Korea** 118 **Taiwan** 116 **Mexico** 350

Brazil 351 Indonesia 116 Saudi Arabia* 18 Turkey* 35

Kuwait* South Africa* **UAE*** Qatar*









Geopbyte 2025 Brotonbyte 2016 Yottabyte Zettabyte 2015 Exabyte Petabyte Terabyte Gigabyte









Dados

- •1 Bit = Binary Digit
- •8 Bits = 1 Byte
- •1024 Bytes = 1 Kilobyte
- •1024 Kilobytes = 1 Megabyte
- •1024 Megabytes = 1 Gigabyte
- •1024 Gigabytes = 1 Terabyte
- •1024 Terabytes = 1 Petabyte
- •1024 Petabytes = 1 Exabyte
- •1024 Exabytes = 1 Zettabyte
- •1024 Zettabytes = 1 Yottabyte
- •1024 Yottabytes = 1 Brontobyte
- •1024 Brontobytes = 1 Geopbyte
- •1024 Geopbytes = 1 Saganbyte
- •1024 Saganbytes = 1 Pijabyte
- •1024 Pijabytes = 1 Alphabyte
- •1024 Alphabytes = 1 Kryatbyte

- •1024 Kryatbytes = 1 Amosbyte
- •1024 Amosbytes = 1 Pectrolbyte
- •1024 Pectrolbytes = 1 Bolgerbyte
- •1024 Bolgerbytes = 1 Sambobyte
- •1024 Sambobytes = 1 Quesabyte
- •1024 Quesabytes = 1 Kinsabyte
- 1024 Kinsabytes = 1 Rutherbyte
- •1024 Rutherbytes = 1 Dumbnibyte
- •1024 Dumbnibytes = 1 Seaborgbytte
- •1024 Seaborgbyttes = 1 Bohrbyte
- •1024 Bohrbytes = 1 Hassiubyte
- •1024 Hassiubytes = 1 Meitnerbyte
- •1024 Meitnerbytes = 1 Dormstadbyte
- •1024 Dormstadbytes = 1 Teoentbyte







692.000 km/h





Velocidade



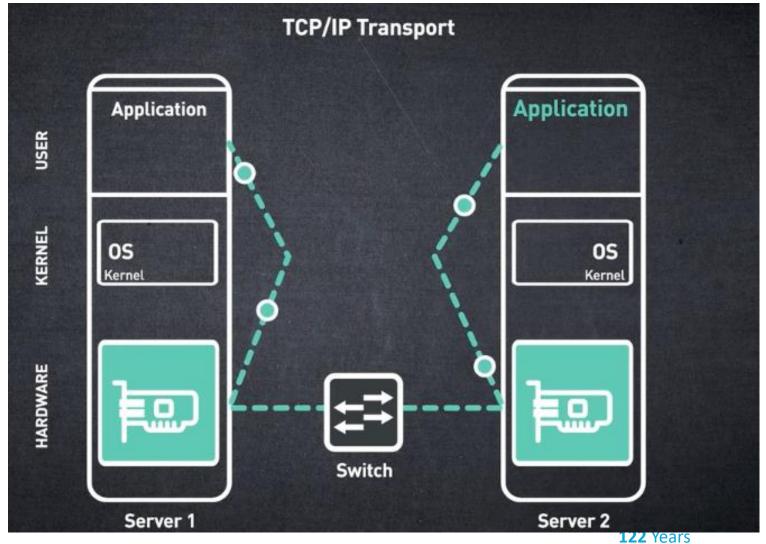




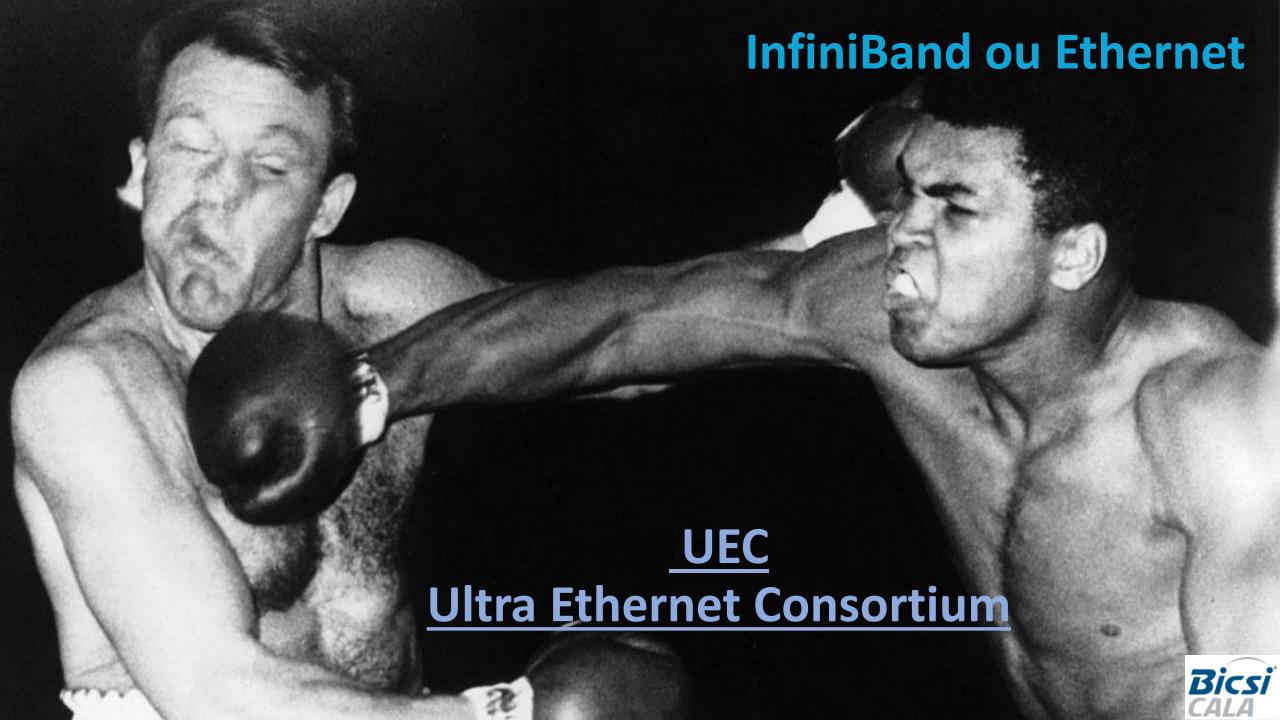
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Infiniband

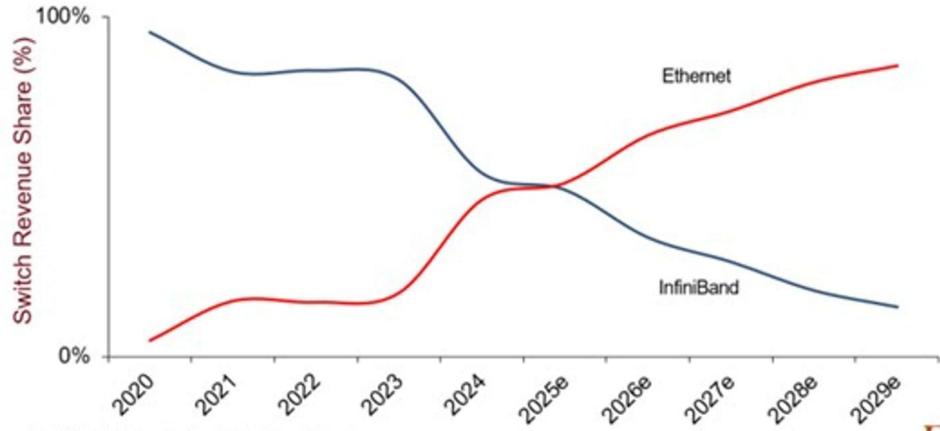






Sep/25

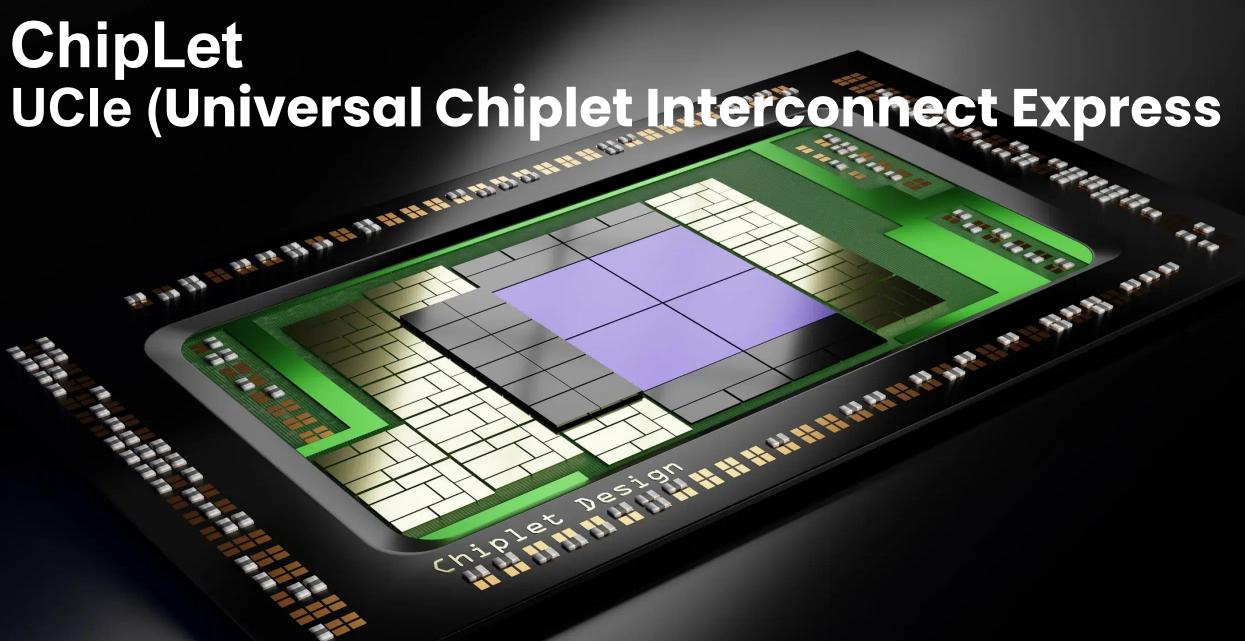
Infiniband



Source: Dell'Oro Al Networks for Al Workload Report Scale-out only, excludes scale-up









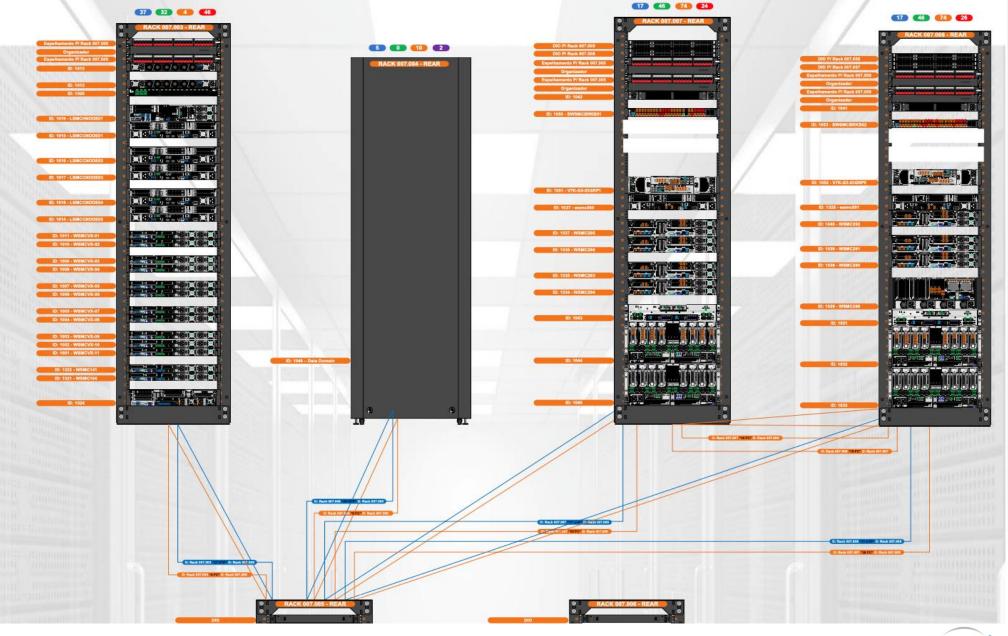






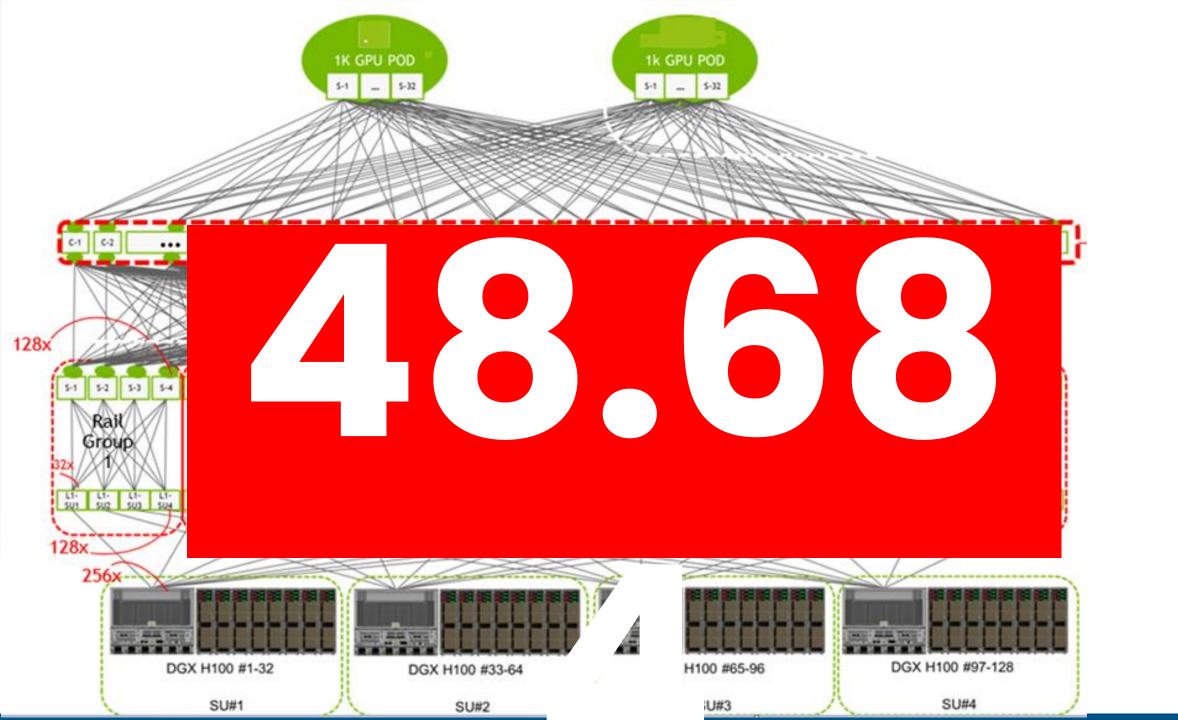


2.500
4.500





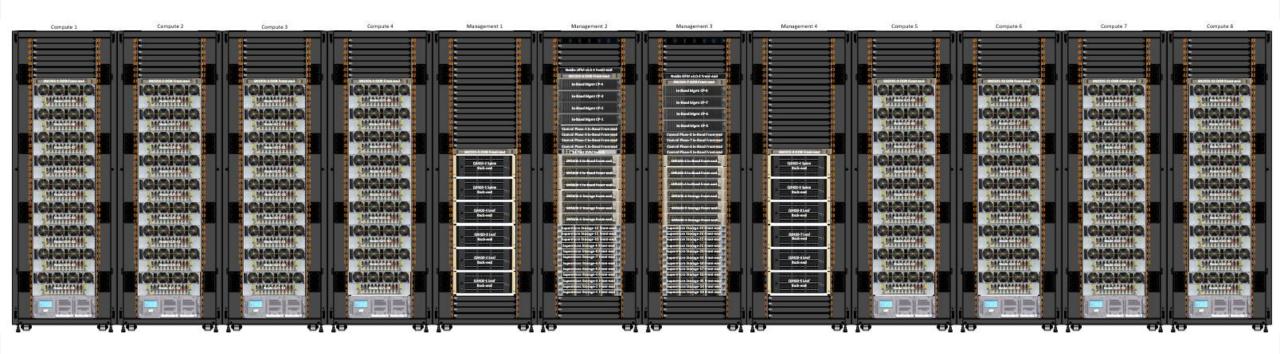






NVIDIA B300 72-node XDR Example

9 DLC Nodes per Cabinet - NVIDIA Q3400 1.6T & SN5600 800G Switches



Example | Cabling Design for B300

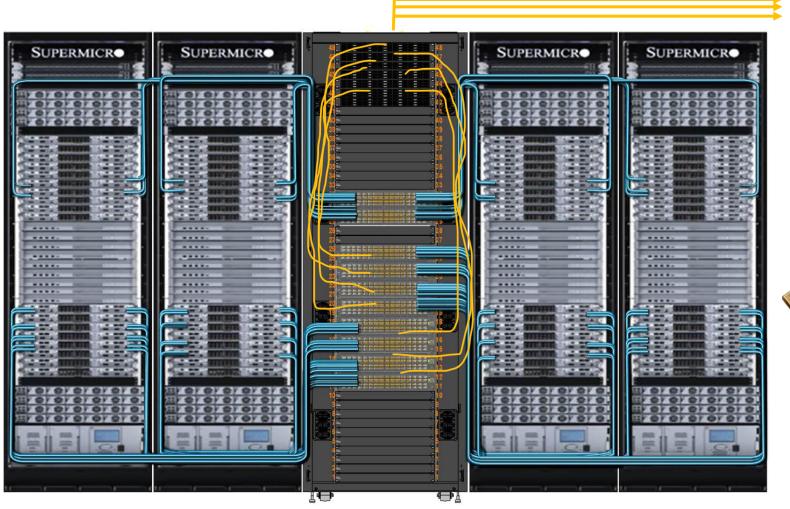
Per Node: Compute: 8 x XDR 800G | Storage/In-Band Management: 2 x 400G | Out-of-Band Management: 1 x 1GbE





NVIDIA NVL72 Uses Case w/ GB300 800GbE

AECs for Leaf to Node/Fiber to Spine Switches







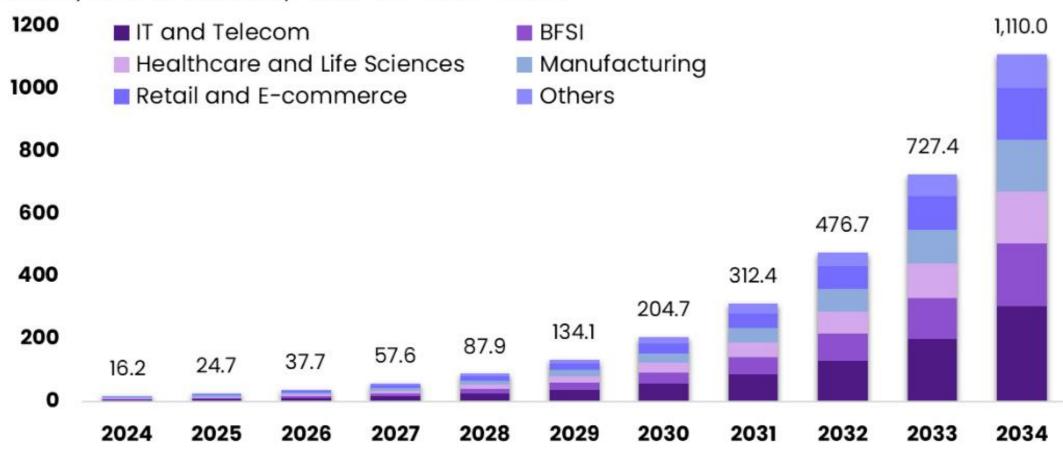






Mercado Neocloud

Size, By End-user Industry, 2025-2034 (USD Billion)



Nov-2025 – ABI Research (AN-6465)





Mercado Neocloud



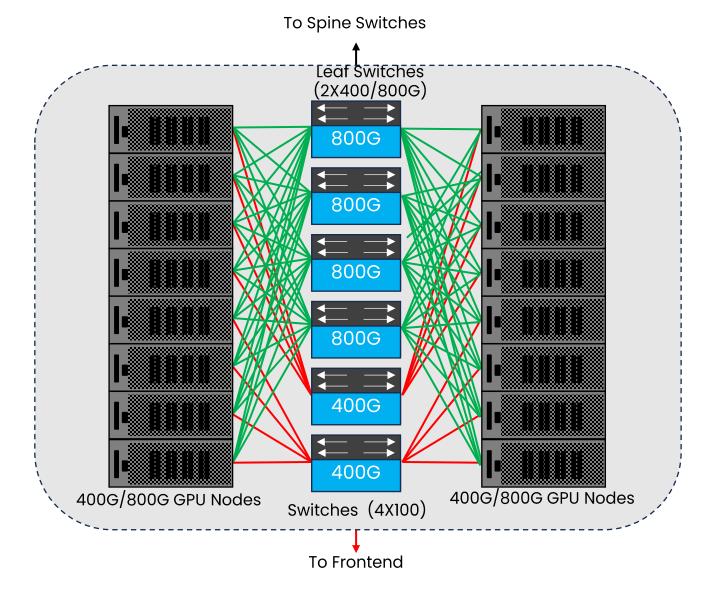
Oct-2025 – Moodor Intelligence

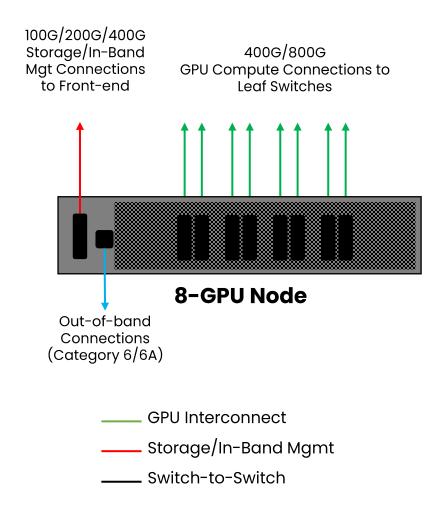






Back-end, Switch-to-Node

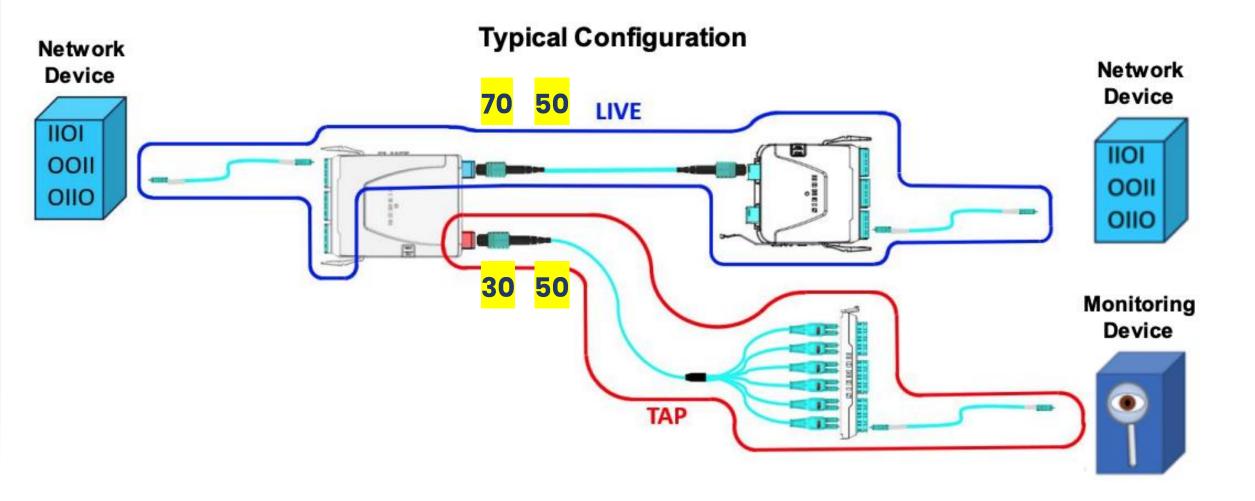








TAP - Test Access Points



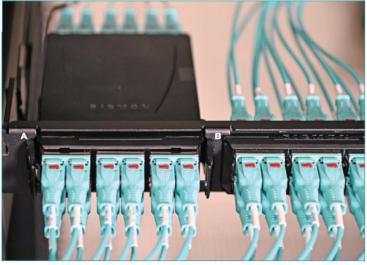




TAP - Test Access Points



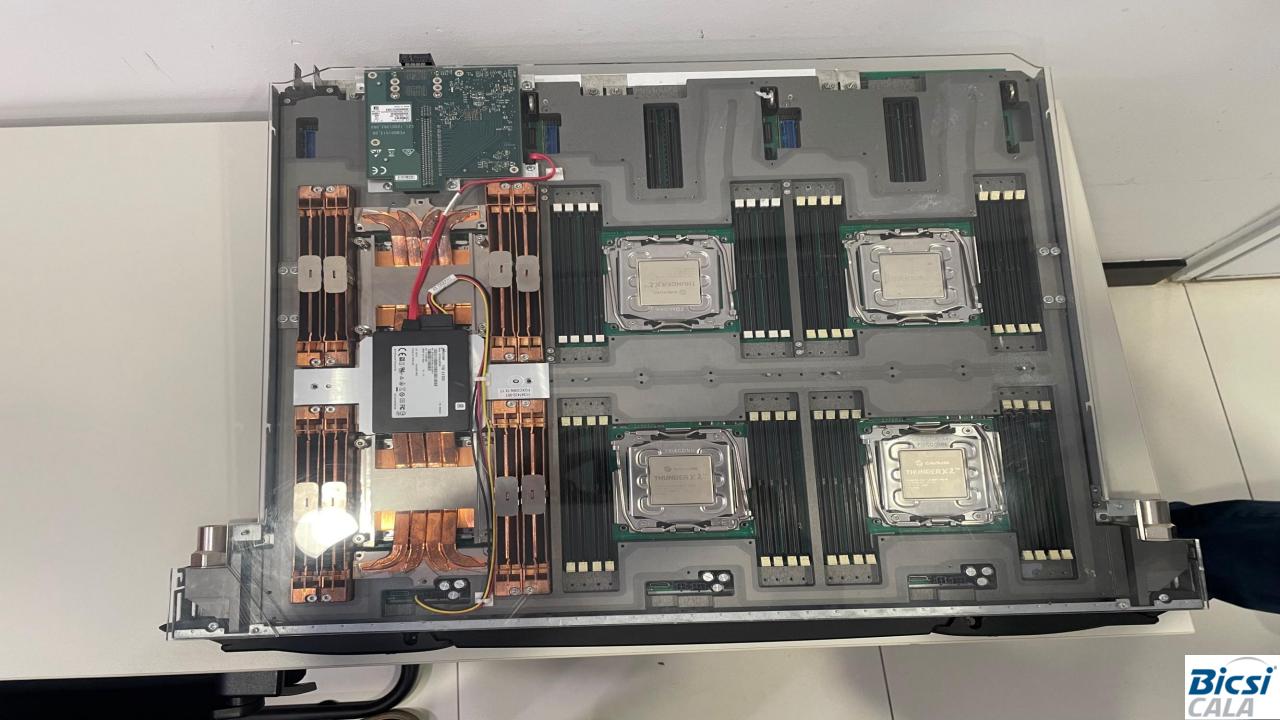


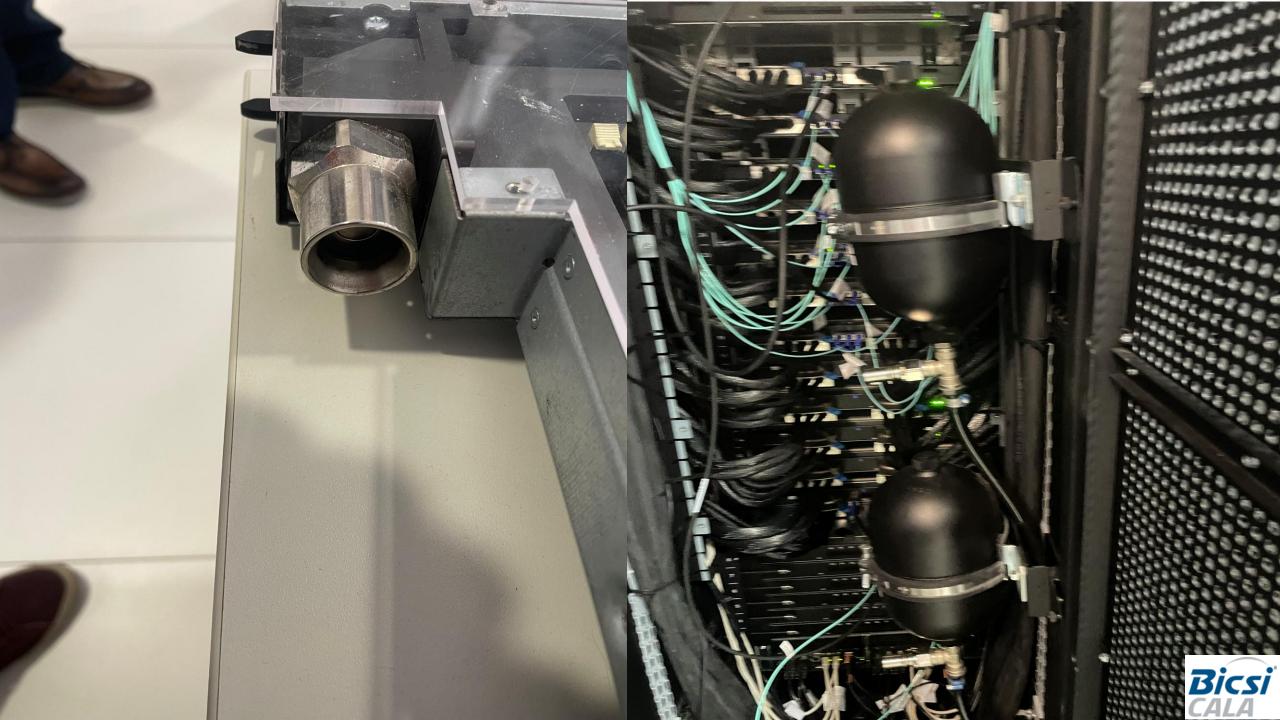




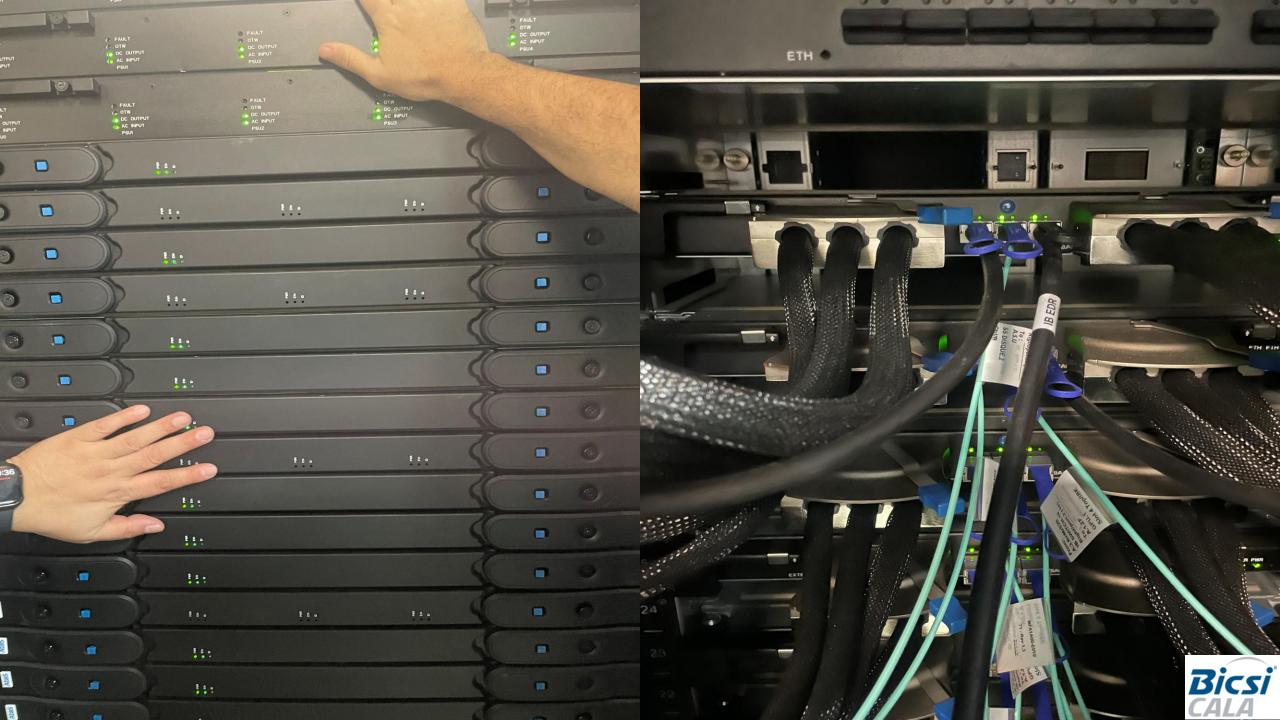


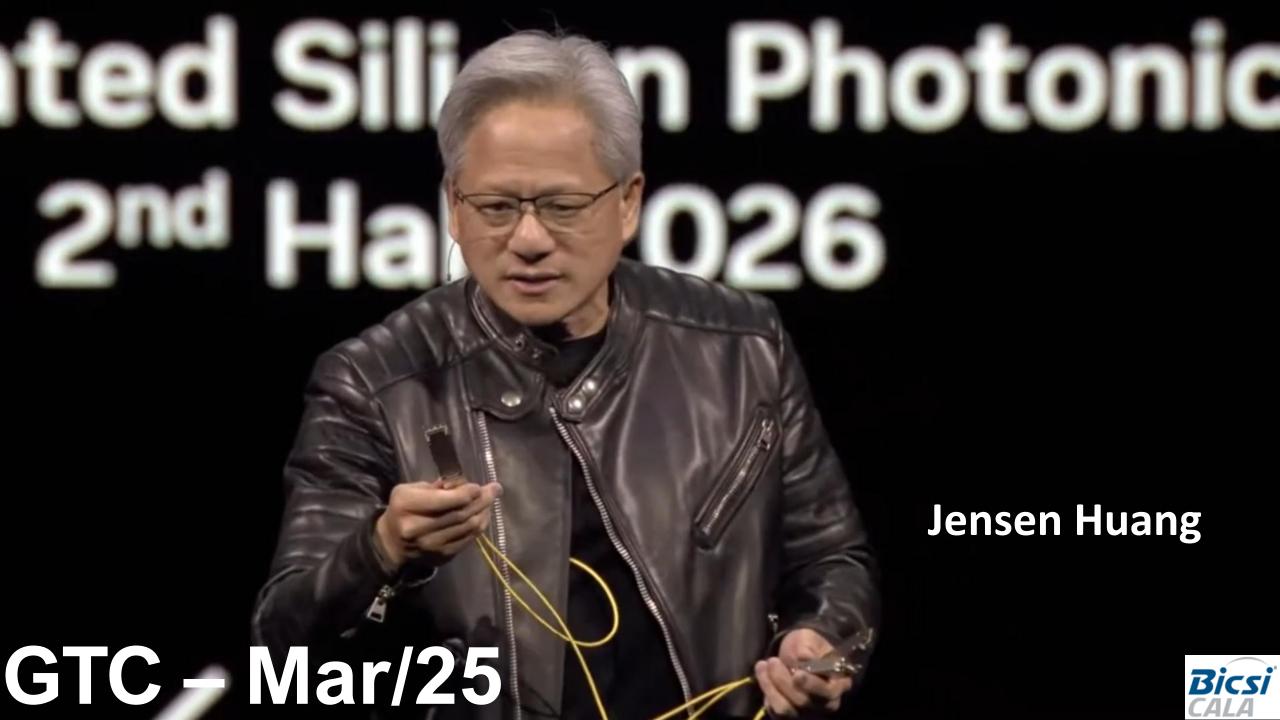






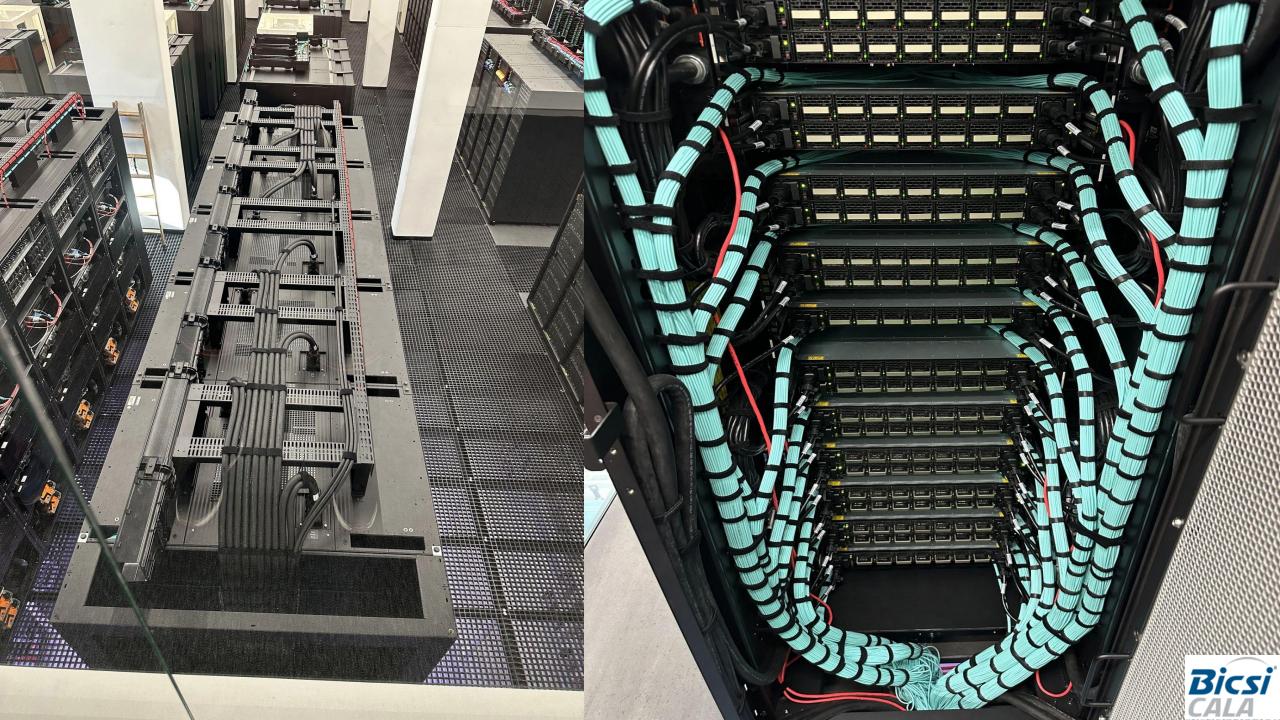




















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