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Uganda Supercomputing Center Uses 2 5G Air-Cooled Switches

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ASUS Presents Next-Generation Infrastructure Solutions

ASUS and Ubilink: Building a supercomputing center in Taiwan with green-energy options ASUS has finished the construction of a global top-tier

Report

The State of Data Centres in Uganda - 2024 As Uganda accelerates its digital transformation, data centres have become a linchpin for economic growth underpinning financial services, public

Expert discusses Africa's growing push for AI infrastructure

Uganda is positioning itself as a potential hub for artificial intelligence (AI) in Africa, as the government moves forward with what backers describe as the continent's first AI-focused

Synectics, Schneider to build AI center in Uganda starting 2026

Uganda is set to host the Aeonian project, a large-scale sovereign artificial intelligence (AI) center, starting in 2026. Developed by Synectics Technologies in partnership with Schneider Electric, the

Summit: How IBM and Oak Ridge laboratory are changing supercomputing

The team designing Oak Ridge National Laboratory's new Summit supercomputer correctly predicted the rise of data-centric computing - but its builders couldn't forecast how bad

Co-design, deployment and operation of a Modular Data

These systems are available to UK academia, research and government through open calls for proposals . Successful projects have

Uganda Launches Africa AI Factory with USIO Supercomputer

Uganda will host Africa AI factory at Karuma Plant, powering local AI research with renewable energy and sovereign supercomputer USIO.

Sustainability: NASA Advanced Supercomputing Facility at Ames

1.4 MW - 18 air cooled racks (HPE E-Cells) & 16 HPE Apollo 8600. MDC1 uses filtered outside air & evaporative cooling over 81o F. MDC2 uses water cooled heatsinks on processors - process water

NetLogo References

References This page lists publications that have used or cited NetLogo software and/or models. This list is by no means complete or exhaustive. If you are using and/or citing NetLogo in your work, or

Supermicro Showcases the Future of HPC Clusters and

Both air-cooling and direct-to-chip liquid cooling can be supported. With integrated InfiniBand and Ethernet switches, SuperBlade is ieal for HPC and

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Both air-cooling and direct-to-chip liquid cooling can be supported. With integrated InfiniBand and Ethernet switches, SuperBlade is ieal for HPC and AI applications.

ASUS Presents Next-Generation Infrastructure Solutions With

ASUS has finished the construction of a global top-tier supercomputing center in collaboration with Ubilink -- a company created by Foxlink, Ubitus and Shinfox Energy. This world

Modular Supercomputing

Modular Supercomputing S The NASA Advanced Supercomputing Division's innovative modular approach to expand NASA's high-end critical computing capabilities reflects the agency's

Supermicro Showcases the Future of HPC Clusters and AI

Both air-cooling and direct-to-chip liquid cooling can be supported. With integrated InfiniBand and Ethernet switches, SuperBlade is ideal for HPC and AI applications.

"Uganda Builds Africa's First Green AI Factory , The Aeonian Project"

"Uganda is making history with the Aeonian Project -- Africa's first green AI factory. Powered by 100% clean hydro energy from the Nile, this state-of-the-art AI hub combines sustainable

NASA Advanced Supercomputing Division

The NASA Advanced Supercomputing (NAS) Division is located at NASA Ames Research Center, Moffett Field in the heart of Silicon Valley in Mountain View,

NVIDIA Launches Blackwell-Powered DGX SuperPOD

NVIDIA DGX B200 Systems Advance AI Supercomputing for Industries NVIDIA also unveiled the NVIDIA DGX B200 system, a unified AI

Super Micro Computer, Inc.

Both air-cooling and direct-to-chip liquid cooling can be supported. With integrated InfiniBand and Ethernet switches, SuperBlade is ideal for HPC

Uganda's AI Supercomputer Hub Aims to Power Africa's

Uganda is set to launch Africa's first AI-focused supercomputing hub at the Chinese

mainland-constructed Karuma Hydropower Plant, aiming for data

New Class of Accelerated, Efficient AI Systems Mark the

Research centers are poised to switch on a tsunami of GH200 performance. Based on Eviden's BullSequana XH3000 liquid-cooled system,

Global Liquid Cooling Information

Supermicro's motherboard integrates the four Broadcom PCIe switches used in almost every HGX AI server today instead of putting them on a separate board. Supermicro then has a custom liquid

Supermicro Unveils a Broad Portfolio of Performance Optimized and

The systems can run in high-temperature data center environments up to 40° C (104° F), reducing cooling costs. Supports free-air cooling or rack-scale liquid cooling technologies.

Supermicro Unveils Plug-and-Play Liquid-Cooled AI SuperCluster

Supermicro NVIDIA HGX B200 SuperCluster, liquid-cooled Supermicro NVIDIA HGX B100/B200 SuperCluster, air-cooled Supermicro NVIDIA GB200 NVL72 or NVL36 SuperCluster,

Report

This report highlights the key trends shaping Uganda's data centre market, the

challenges facing businesses and operators, and the opportunities poised to unlock national and regional growth.

Liquid cooling: a cool approach for AI , HPE

That's where liquid cooling comes in. Staying cool in the age of AI Compared to traditional air-cooling that uses fans, with liquid cooling -and

Using 5G Technologies and Predictive Models to Achieve a Flexible

Therefore, new innovative techniques to adapt the network resources in supercomputing centers to the demand at real time are required. In this paper we propose a solution to achieve a

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