Sintetiche riflessioni sulla evoluzione della tecnologia e dell'Industry
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Indice

AT&T tests Microsoft Azure edge cloud capabilities

Amazon AWS , Microsoft Azure e Google Cloud dominano il mercato cloud… per alcuni potrebbe essere la naturale evoluzione allearsi con gli operatori per portare il cloud ai bordi della rete

AT&T is working with Microsoft to test Azure cloud capabilities at the edge of the AT&T 5G network.

The testing aims to substantially reduce latency and improve user experience by deploying advanced cloud services in specific geographic locations closer to business sites.

Specifically for this trial, network edge compute (NEC) capabilities are deployed at the AT&T Foundry in Plano, Texas. The companies are working with Israel-based Vorpal, a start-up building a drone detection and geolocation tracking solution. The service can be useful to commercial drone monitoring, airports, public safety law enforcement agencies and others needing the ability to identify drone and operator locations in near-real time, enhancing monitoring and mitigation.

“We’re creating new ways for our customers to directly access a multitude of cloud options closer to where they do business,” said Mo Katibeh, chief marketing officer, AT&T Business. “Using the blazing speeds of our fiber, LTE and 5G mobile connections, we’re paving the way for how low-latency pathways to cloud services like Microsoft Azure can accelerate business transformation – for both enterprise and small business applications.”

Yousef Khalidi, corporate vice president, Azure Networking, Microsoft Corp. said, “Our collaboration will pave the way to enable Microsoft Azure cloud services to connect to more customers and devices across the U.S. through AT&T’s nationwide wireless network. Our two companies are working together to achieve the low latency connectivity needed for the explosion of devices and immense amount of data being created by computing at the edge.”

Tags: *5G, Edge, MEC*

Source: *https://www.convergedigest.com/2019/02/at-tests-microsoft-azure-edge-cloud.html*

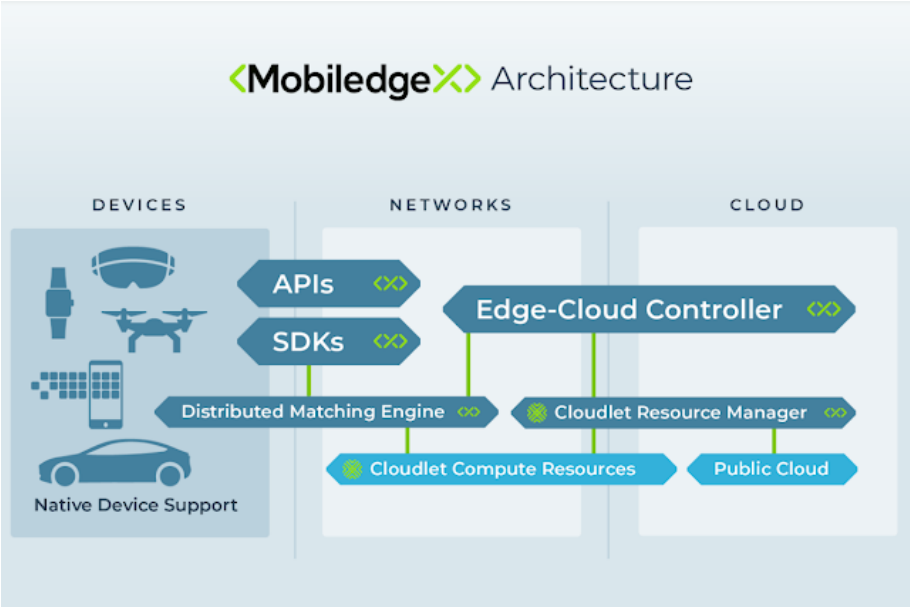
Deutsche Telekom incomincia il deployment della offerta MobiledgeX Edge-Cloud

la grande iniziativa di DT per sviluppare servizi globali di Edge Computing

MobiledgeX, the edge computing company founded by Deutsche Telekom AG, unveiled its architecture for connecting mobile users to application cloud containers created by aggregating existing operator network resources.
Deutsche Telekom is now using the MobiledgeX Edge-Cloud R1.0 to power the first world's first public mobile edge network deployment and is already supporting the prototyping of developer use cases such as live trials around Augmented Reality (AR), Mixed Reality (MR), and Simultaneous Localization and Mapping (SLAM).

Key features of MobiledgeX Edge-Cloud R1.0:

- Device and platform-independent SDKs for Android and IOS devices in Java, C++, C# or REST that support edge node discovery, built-in identity and verified location services, with the ability to connect automatically to the nearest edge location. MobiledgeX will release these SDKs as open source to speed development times and flexibility.
- A Distributed Matching Engine (DME) that is natively borne and integrated into Telekom Deutschland's mobile network in Germany. The DME allows developers to ensure the identity and location of application users while guaranteeing their privacy as this data remains within the boundaries of the mobile service provider and is not disclosed to MobiledgeX.
- A fully multi-tenant control plane that supports zero-touch provisioning of edge cloud resources via a Cloudlet Resource Manager. This architecture is massively scalable based on the number of distributed edge cloud locations and enables the operator to bring any combination of compute, storage and network resource pools to add to capacity independently of a preferred Virtualization Infrastructure Management (VIM) layer. For example, while Deutsche Telekom edge cloud resource pools are virtualized using OpenStack, MobiledgeX Edge-Cloud R1.0 equally supports other industry-standard VIMs such as VMware or native Kubernetes.
- A global edge cloud SAAS portal that allows operators to visualize application delivery performance and developers to deploy their application containers.



MobiledgeX is highlighting the following use cases :

- **Automatically deploying application backends close to users based on their Verified Location and Identity**. MobiledgeX Edge-Cloud R1.0 instantiates application containers to support streaming workloads similar to lambda functions ideally suited for increasingly immersive and massively multi-user workloads like multi-player gaming, robotics and AR maintenance that must ascertain trusted identity and location. The built-in "verified location" service automatically correlates GPS-reported location from the device using telemetry extracted from the mobile service provider's infrastructure and directs mobile client to appropriate edge location.
- **Augmented Reality and Mixed Reality Performance Support.** Makes lower latency available natively in the mobile network and geographically closer to end user devices. Enables AR and MR experiences on smart glasses or wearables where these devices do not natively provide the required CPU and GPU hardware capabilities, either due to cost, weight or power consumption reasons.
- **Video and Image Processing that meets local privacy regulations.** Platform guarantees in- country containment and privacy of user data, offering country-specific control planes that ensure country-specific applications and data remain in the country to satisfy GDPR and other privacy regulations.

Source: *https://www.convergedigest.com/2019/02/deutsche-telekom-deploys-mobiledgex.html?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+blogspot%2FedRDo+%28Converge%21+Network+Digest%29*

Deutsche Telekom's MobiledgeX venture aligns with SK Telecom

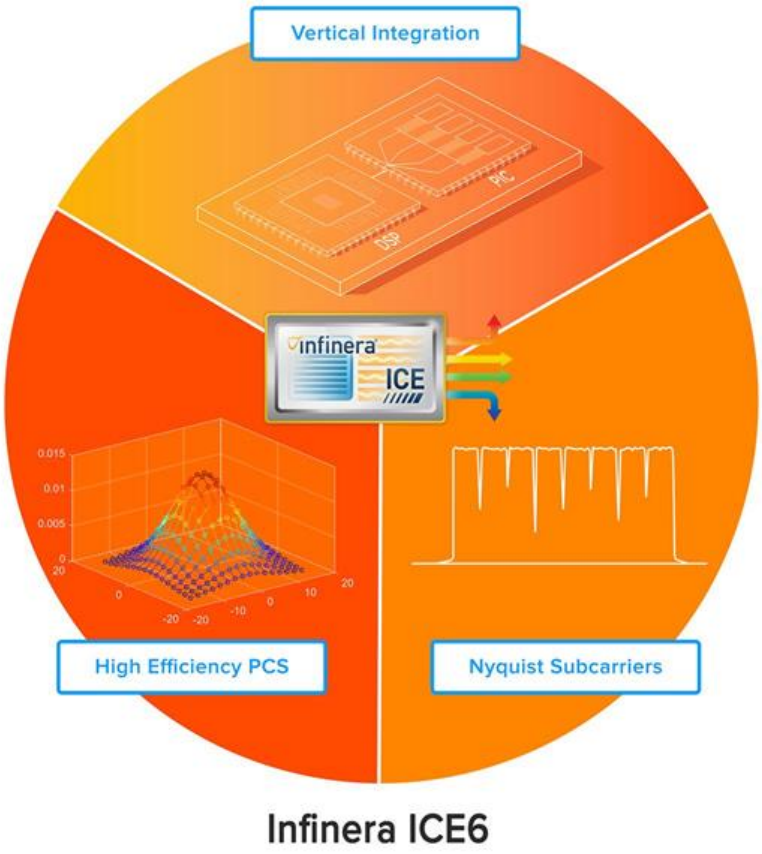
MobiledgeX, the independent mobile edge computing provider founded by Deutsche Telekom, announced an agreement with SK Telecom to enable a new generation of connected devices, content and experiences, creating new business models and revenue opportunities leading into 5G.

MobiledgeX is focused on delivering developer-facing edge cloud services and bringing mobility to those services, dynamically placing application back-end as close to mobile devices as possible and removing them when not needed. MobiledgeX, Deutsche Telekom and Intel have partnered with Telecom Infra Project (TIP) to form an Edge Application Developer project group to ensure the gained insights and supporting source code are available to all.

"Deutsche Telekom created MobiledgeX as an independent company to drive strategic collaboration across the world's leading telecoms, public cloud providers, device makers and the surrounding ecosystem - enabling a new era of business models, operating efficiencies and mobile experiences. We are particularly excited to announce SK Telecom's participation in this collaborative ecosystem where everybody wins. SK Telecom is a global leader in 5G which follows their rich tradition of innovation within their network, strategic partnerships and developer engagement. This new era is underway," says Eric Braun, Chief Commercial Officer of MobiledgeX.

Interfacce ottiche per backbone da Infinera's a 800Gbps (wroom!)

Commercializzate da 2Q2020, ci saranno backbone a 800 Gbps ... notevole, dtata la crescita di traffico in rete utile!



Infinera ICE6

Infinera's sixth-generation Infinite Capacity Engine (ICE6) will deliver a new benchmark in high-capacity optical transmission with dual-channel 800 gigabits per second (800G) per wave and leading optical performance.

Tags:	*Optics*
Source:	*https://mail.google.com/mail/u/0/#label/TECH+NEWS+LIST%2FConvergeNetworkDigest*

Microsoft réoriente son centre d'ingénierie parisien pour le dédier à l'intelligence artificielle

Ci vorrebbero iniziative come questa in Italia

Microsoft a choisi la France pour y implanter un centre de développement spécialisé dans l'intelligence artificielle. C'est le Microsoft Engineering Center, situé au sein du campus Microsoft d'Issy-les-Moulineaux (92), qui sera dédié à cette nouvelle mission.

Microsoft réoriente son centre d'ingénierie parisien pour le dédier à l'intelligence artificielle

Microsoft tient les 21 et 22 février 2019 un événement dédié à la transformation digitale des entreprises. Baptisé Microsoft Business Forward, il se déroule sur le campus d'Issy-les-Moulineaux (région parisienne) du géant américain. Plusieurs annonces y ont été faites, dont la décision d'implanter un centre de développement dédié à l'intelligence artificielle en France.

Plus spécifiquement, c'est le Microsoft Engineering Center, créé en 2011 (et hébergé au sein du campus parisien) qui va être réorienté pour se concentrer sur la création d'applications utilisant des technologies d'intelligence artificielle. Ces développements s'appuieront sur les plateformes Dynamics 365 et Power Platform (qui regroupe PowerApps, Power BI et Flow) et les services cloud Azure.

Un centre aux ambitions mondiales

"Nous sommes fiers que la France ait été choisie pour accueillir notre centre de développement qui viendra enrichir l'offre IA de Microsoft à un niveau mondial. Ce choix illustre parfaitement la place centrale qu'occupe la France dans l'écosystème de l'intelligence artificielle, pour la qualité de ses chercheurs comme de ses ingénieurs", a déclaré Jamel Gafsi, président du Microsoft Engineering Center, dans un communiqué.

Tags: *AI*

Source: *https://www.usine-digitale.fr/article/microsoft-reoriente-son-centre-d-ingenierie-parisien-pour-le-dedier-a-l-intelligence-artificielle.N809430*

UK investment in AI startups nears the rest of Europe combined

1.3 B$ in UK … in Italia investimenti non pervenuti

Editor of AI News. A gadget lover, music purveyor, and ex-host of a consumer technology show.
The UK is splashing the cash on artificial intelligence startups so much that it almost totals the rest of Europe combined.
Venture capital firms invested a record $1.3bn (£998m) in UK-based AI companies last year.
The figures are provided by Dealroom and show a fourfold increase in five years. A couple of notable rounds includes $200 million for Graphcore in your humble editor's hometown of Bristol, and $50 million for what *feels* like my second home of London.
For comparative purposes, French AI startups raised $400 million last year, while Germany raised $300 million.
But the UK is not slowing down. Business Secretary Greg Clark and Digital Secretary Jeremy Wright announced today £200 million to establish 16 new centres and deliver 1,000 new PhDs to ensure the UK leads the global revolution in AI.

Tags: *AI*

Source: *https://www.artificialintelligence-news.com/2019/02/21/uk-investment-ai-startups-europe/*

Verizon's 5G Details: MEC Launching This Year for MObile Gaming Online

Verizon metterà il MEC in co-location con i siti di Cloud Ran per servizi di Gaming

As for Verizon's MEC plans, the operator promised to launch its MEC platform by the end of this year. Verizon executives explained that Verizon's MEC platform would essentially bring computing services closer to end users, thus reducing latency, but installing edge computing functions in Verizon's C-RAN hubs around the country.
Verizon executives didn't provide much specificity about the operator's MEC plans, but said that it would likely be a service targeted at enterprise users looking for local computing services and low

latency speeds. Verizon's Hans Vestberg hinted that MEC would be suitable for private enterprise wireless networks. Verizon's Tami Erwin described the operator's opportunity to offer "real time enterprise" services.
Interestingly, Verizon's Dunne specifically mentioned cloud gaming as a possible 5G service from Verizon. The Verge reported earlier this year that Verizon is testing a streaming cloud gaming service called Verizon Gaming.

Tags: *5G, Edge Computing, MEC*

Source: *https://www.lightreading.com/mobile/5g/verizons-5g-details-30-mobile-5g-markets-in-1h19-mec-launching-this-year-/d/d-id/749611?_mc=RSS_LR_EDT*

Proposta in discussione per WiFi : altri 1.2 GHz di banda sui 6 GHz

Impatto grandissimo su servizi e prestazioni del WiFi, Qualcomm tra i proponenti più forti

Given the success it's seeing with LAA, it's no wonder Qualcomm is pursuing a similar concept for 5G, asking the FCC to designate a portion of the 6 GHz band to serve as a playpen of sorts for slick new technologies that incorporate synchronization and unlicensed spectrum.
LAA, which stands for Licensed Assisted Access, is a technology that uses a combination of licensed and unlicensed spectrum. It was developed for LTE, but it was introduced relatively late to the game in one of the last releases for LTE. That said, major carriers like Verizon, AT&T and T-Mobile have been using LAA to supplement their networks and deliver speedier services. (Notably, LAA came after LTE-U, the nonstandardized version of the technology that sparked controversy when it was first proposed because the Wi-Fi community was concerned it wouldn't play nice with Wi-Fi.)
3GPP Release 16—to be finalized later this year—will include an LAA version of 5G NR in unlicensed spectrum (5G NR-U) that relies on a licensed anchor, as well as a standalone version of 5G NR-U that can be used by carriers and/or any entities that don't control any licensed spectrum of their own.

Qualcomm is proposing that this happen in just a 350-megahertz sliver of the band—the FCC is pondering rules for 1200 megahertz of spectrum in the 6 GHz band—and points out that a broad cross section of stakeholders are working on these types of new technologies, including those from the Wi-Fi industry. In fact, Qualcomm notes in the filing that there's an IEEE version being developed, known as 802.11be (EHT), that also is being designed using these principles and delivering significant benefits in terms of spectrum efficiency.

Tags: *5G, WiFi*

Source: *https://www.fiercewireless.com/wireless/qualcomm-6-ghz-ideal-home-for-next-gen-802-11-5g-nr-u-technologies?utm_source=internal&utm_medium=rss*

AT&T Notecard by Blues Wireless: un nuovo modo di sviluppare IoT

Schede IoT 4G e 5G da AT&T che hanno la connettività "embedded" compresa nel prezzo

Ray Ozzie, the man who created Lotus Notes and helped usher Microsoft into the cloud era has a new goal: helping devices in the home get smarter by hooking them up directly to the cellular airwaves. In an exclusive interview, Ozzie said his startup has started trials with AT&T on a module that securely connects all sorts of products, from appliances and alarms to vending machines and construction equipment.

Bottom line: There's no doubt that many more devices are going to be connected wirelessly in coming years and that not all device makers will want to handle connectivity themselves. Ozzie's startup is likely to be just one of many companies willing to take on that task.

The premise behind Ozzie's new company, Blues Wireless, is that everyone from appliance makers to logistics companies will want their products to have a secure wireless connection without the hassles or risks of doing it themselves.

"Customers ate trying to connect virtually everything that exists to the cloud," Ozzie told Axios. "It's fairly a no-brainer as compared to a technology in search of a problem."

Current and forthcoming cellular networks will be able to compete favorably with Wi-Fi, Ozzie said, offering several benefits.

- Unlike with Wi-Fi, devices can be set at the factory to connect wirelessly. Many Wi-Fi-equipped devices today never get connected because consumers either don't see enough benefit or get frustrated with the set-up process.
- Everything is encrypted, with secure credentials stored on the device itself.
- Using Notecard, devices can connect to cloud providers like Amazon's AWS or Microsoft's Azure without ever having to cross the public internet, offering additional security benefits.

Yes, but: The problem is more than a technical one, Ozzie acknowledges: Cellular connections cost money, and efforts to connect devices in the past left customers to manage the data costs themselves.Blues Wireless hopes to take that hassle away by using a Kindle-like business model, selling the modules at enough of a profit to cover the cost of the device and the wireless data the devices will use. It isn't saying just how much it expects to charge.Also, Blues is still small, using mostly contractors and bankrolled by Ozzie.

History lesson: In the past, Ozzie's brainstorms have typically been directionally correct but ahead-of-their-time products looking to capitalize on shifts in the way people and computers interact. This time around, Ozzie says he's banking on making it easier for companies to get on board an inevitable hardware trend

Tags: *IoT*

Source: *https://www.axios.com/exclusive-ray-ozzie-wants-to-wirelessly-connect-the-world-9b746722-76f1-4743-91bb-692261cdce7b.html*

Telefonica ha impostato la sua strategia AI sull'alleanza con Microsoft

Da lungo tempo partner Microsoft

Telefónica and Microsoft outlined a strategic partnership to leverage the Microsoft Azure AI platform alongside the Telefónica global network to design services telcos will offer in the future
Specifically, Telefónica and Microsoft will expand the use of Azure Cognitive Services for customer engagement and business processes, create new AI-powered, in-home experiences for customers and explore the use of intelligent technologies to transform the network.
“Telefónica has been a leader in using AI to transform customer engagement, and the strategic partnership we announced today builds on this history of innovation,” said Satya Nadella, CEO of Microsoft. “Together, we will apply the power of Azure and Azure AI to create new, innovative experiences for millions of Telefónica customers around the world and shape the future of Telefónica’s network.”
José María Álvarez-Pallete, chairman and CEO of Telefónica, said “Telefónica is applying cutting-edge technology to its ongoing transformation, pioneering virtualization and softwarization to develop smart, liquid networks ready to be powered by AI. Specifically, we are already using AI to enhance our customer relationships and are really excited to work with Microsoft to further harness the power of Azure AI. This agreement strengthens our relationship and our common belief that AI technology and the use of data should be based on solid ethical principles and empower people to control their digital lives.

Tags: *AI*
Source: *https://mail.google.com/mail/u/0/#label/TECH+NEWS+LIST%2FConvergeNetworkDigest*

Il presidente americano Trump parla già di 6G

Il presidente americano ha già messo le mani avanti per il 6G

I want 5G, and even 6G, technology in the United States as soon as possible. It is far more powerful, faster, and smarter than the current standard. American companies must step up their efforts, or get left behind. There is no reason that we should be lagging behind on...

Donald J. Trump
@realDonaldTrump

Segui

I want 5G, and even 6G, technology in the United States as soon as possible. It is far more powerful, faster, and smarter than the current standard. American companies must step up their efforts, or get left behind. There is no reason that we should be lagging behind on.....

Traduci il Tweet

14:55 - 21 feb 2019

Tags: *5G*
Source: *https://twitter.com/realDonaldTrump/status/1098581869233344512*

That's all Folks!