CI

AIOps

Cloud Intelligence/AIOps

All industries are digitally transforming right now. Running businesses on top of cloud services (e.g., SaaS, PaaS, IaaS) is becoming the core of this transformation. However, the large-scale and high complexity of cloud services bring great challenges that require a significant amount of compute resources, domain knowledge and human effort to operate these cloud services at scale. AI and ML play an important role in efficiently and effectively building and operating cloud services.
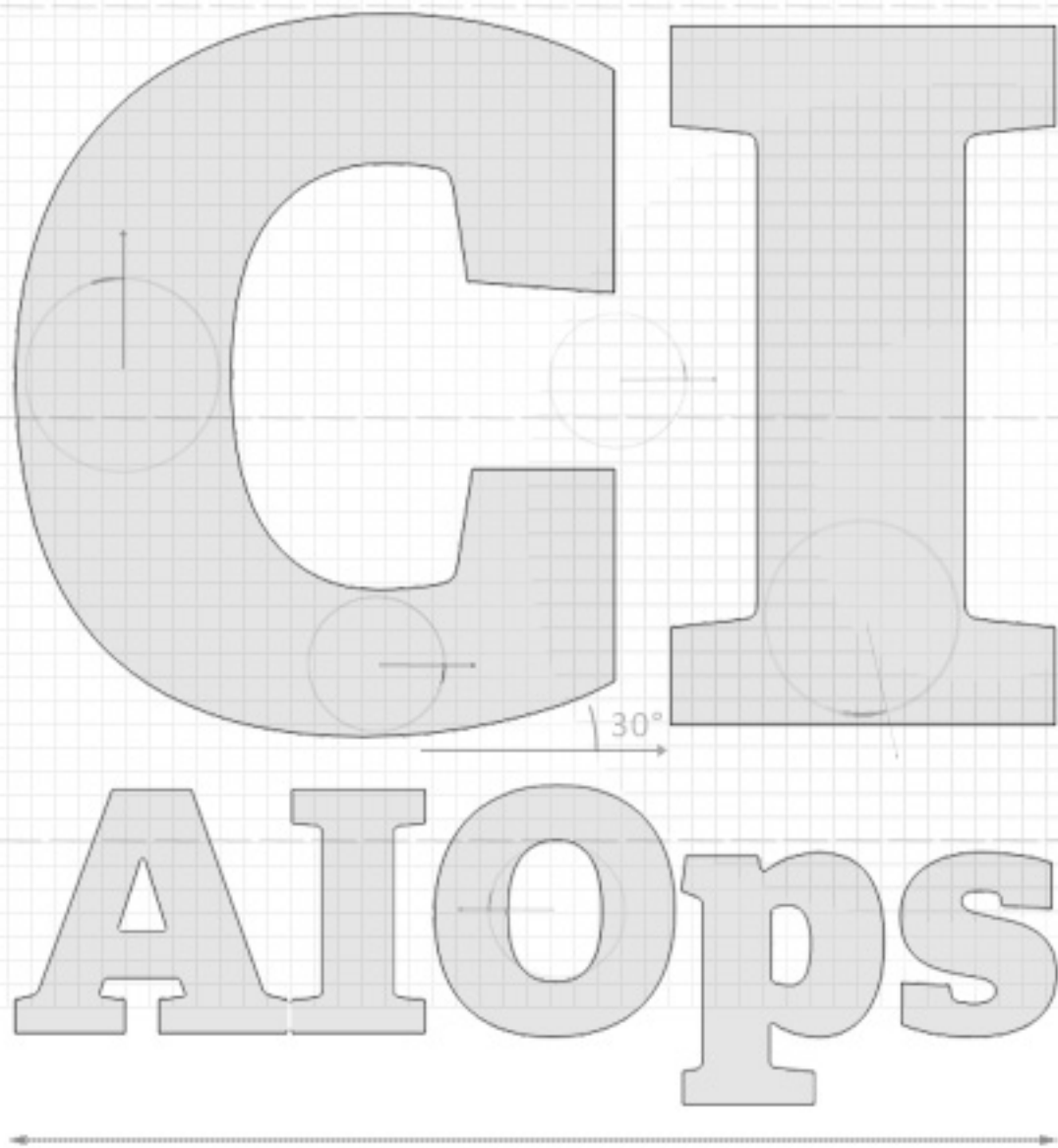
While the Adelle font family is a slab serif for intensive editorial use, its personality and flexibility make it a true multipurpose typeface, especially on the web. The unobtrusive appearance, excellent texture, and slightly dark colour allow it to behave flawlessly in continuous text, even in the most unforgiving applications. As it becomes larger in print, the Adelle fonts show personality through a series of measured particularities which make it easy to remember and identify. Adelle is a versatile and authoritative slab serif font family with no shortage of personality.

"The designer's task is to transform information into effective pieces of **communication***."*
— Veronika Burian and José Scaglione

The characters used in our Cloud Intelligence/AIOps logo use Type Together's Adelle font.

The Adelle font family is a slab serif typeface conceived by Veronika Burian and José Scaglione specifically for intensive editorial use — mainly in newspapers, magazines, and online. Its personality and flexibility make it a true multipurpose typeface and its superior screen rendering and cross-platform consistency has made it one of their most popular webfonts.

Adelle's intermediate weights deliver a neutral look when used in text sizes, providing the usual robustness expected in a newspaper font. The unobtrusive appearance, excellent texture, and slightly dark colour allow it to behave flawlessly in continuous text, even in the most unforgiving editorial applications. As it becomes larger in print, Adelle shows its personality through a series of measured particularities which make it easy to remember and identify. Its energetic character, so inherent to slab serif fonts, becomes evident when used for subheadings and headlines.

A condensed series of seven weights with matching italics expand Adelle's possibilities. This extension provides flexible solutions in situations where saving space is vital but losing legibility is not an option. The condensed series of fonts shares the same personality, proportions, and skeleton of the Adelle family, creating an harmonious texture when combined.

ASPECTS

We envision that, with the advance of AI, ML, and related technologies like LLMs, the cloud industry can make significant progress in the following aspects while keeping up the sustained and exponential growth of the cloud.

Cloud Efficiency
We have an opportunity to leverage service characteristics for optimal scaling, scheduling and packing to reduce the overall cost and carbon footprint.

Resilient Cloud Services
Cloud services will have built-in capabilities of self-monitoring, self-diagnosis, and self-healing – all with minimal human intervention.

Intelligent Ops
Users can easily use, maintain, and troubleshoot their workloads or get efficient support on top of the underlying cloud service offerings.

AI Efficiency
In the last two years, we have seen a massive adoption of LLMs. Given the intense resource demands of LLM training and inference, cloud infrastructures (both HW and SW) are going through a massive transformation. Efficient training and inference will be key to increased adoption and long-term sustainability.

#0762c8 cerulean blue

#ffffff cloud white

#dde5ed iceberg gray

#b1c9e8 pidgeon gray

#94a9cb smoky gray

#68798d slate gray

#0d0e0f Black Pearl

#f58348 Crusta

#b3473f Chestnut

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This color palette is meant to reflect the ideas generating Cloud Intelligence/AIOps.

Cloud White

An elusive, omnipresent, insulating, fragile, and ephemeral amorphism.

Cerulean Blue

Looking at a blue sky brings a sense of peace and tranquility. Surrounding us with Cerulean blue could bring on a certain peace because it reminds us of time spent outdoors, on a beach, near the water - associations with restful, peaceful, relaxing times. In addition, it makes the unknown a little less frightening because the sky, which is a presence in our lives every day, is a constant and is always there.

Iceberg Gray

As ancient titans of ice, each iceberg stands as a silent guardian of the world's most secluded realms. Over time, these icy behemoths, born from the world's frigid cradle, begin to fade into the embrace of the sea. This gradual vanishing act, a silent ballet performed on the grand stage of the natural world, whispers of profound transformations beneath the surface. It is as if the very essence of winter's heart is slowly being drawn back into the depths, leaving behind a world that must adapt to the absence of its frost-bound sentinels.

Pidgeon Gray

This hue mirrors the soft feathers of a messenger from yesteryears, a creature that once carried whispers and words across vast distances. In its essence, it captures the spirit of communication, where each shade is akin to a silent note gliding through the air, entrusted with packets of information. It's a testament to a time when messages were borne on wings, floating through the sky as if woven from the very fabric of the clouds themselves.

Smoky Gray

During the fire season on the West Coast of America, the fire smoke reduces the light level during a would be otherwise sunny day, bringing a silence of nature as the animals flee the woods.

Slate Gray

This shade echoes the deep, enigmatic tones of ancient slate, a canvas upon which countless equations and theories were etched, exploring realms of thought that stretched far beyond the stone's own inception. It is as if each stroke of chalk across its surface bridged the gap between the present and the unfathomable past, a silent witness to the insatiable human quest for understanding. In its essence, this color is a homage to the timeless dance of knowledge and discovery, where the past and future converge upon the gray expanse of possibility.

Crusta

This hue evokes the essence of visual state, where the zest of sun-kissed lemons melds with the warmth of aged brandy, all cradled in the embrace of a glistening sugary highlight. Adorned with a generous twist of lemon peel, it speaks of a symphony of sight where the brightness of citrus and the depth of fine spirits dance in harmony. The addition of orange and cherry liqueurs introduces a layer of complexity, crafting a balance that is both invigorating and rich. It is a palette where each note, from the tart to the sweet, from the bold to the delicate, is woven into a tapestry of vision that transcends the ordinary.

Chestnut

This shade captures the essence of nature's engineering, mirroring the robust, dark hue of tree bark, seasoned by the elements and time itself. Beneath this protective exterior lies a cocoa brown undertone, reminiscent of the rich, fertile soil from which the mighty chestnut draws its strength. It's a color that speaks to the resilience and complexity of the natural world, where each layer, from the outer shell to the core, plays a critical role in the life of the tree. This color is not just a visual tribute but a nod to the intricate systems of growth and renewal that define the natural world, embodying the elegance of biology and the beauty of adaptation.

Black Pearl

This hue whispers of the ocean's mysteries, embodying the enigmatic beauty of a black pearl, plucked from the depths where light scarcely touches. It's a color that holds within it the allure of the deep sea, a blend of darkness and iridescence that mirrors the pearl's journey from the silent, hidden chambers of the ocean to the glimmer of the moonlight on its surface. This shade is not merely black; it is a testament to the resilience and wonder of nature's creations, capturing the essence of something forged through time and pressure, emerging with a luster that defies the simplicity of darkness. It speaks to the elegance of the natural world's treasures and the profound depths from which they emerge, wrapping the observer in the velvet cloak of the night sea's most precious secrets.

Social Media Analysis and Look

The following analyzes the relevant stats of the most popular platforms as of this 2024 publication, and then looks at the application of the previous graphic definitions.

LinkedIn

"One of the great things about LinkedIn is it isn't the same kind of networking that happens at conventions." -Melanie Pinola, Senior Staff Writer at Consumer Reports

There are about 738k data scientists on LinkedIn. The following are the popular data science groups with their member count.

Software/Technology: AI, Marketing, Social Media, Startups, Blockchain, Human Resources & Metaverse
2.9M members

Technology Investor Club: Artificial Intelligence, Data Science, Fintech, IoT, Robotics & Cloud AI
1.0M members

Artificial Intelligence, Machine Learning, Data Science & Robotics
2.8M members

Artificial Intelligence Innovators, AI, ChatGPT, Bard, Bing, Copilot and Machine Learning Innovation
1.0M members

Global Investor Club: CEOs, CFOs, VCs, Founders, Leaders, Startups, AI, ML, FinTech, Blockchain, IoT
1.8M members

Marketing AI I Open AI I Events I Cryptocurrency I Metaverse
978k members

Artificial Intelligence, Deep Learning, Machine Learning
1.5M members

Cloud Computing, SaaS, Data Centre & Virtualization
974k members

Artificial Intelligence Exchange: AI Conversations and Collaborations
1.1M members

IT Professionals Agile Lean Scrum | DevOps | Cloud | SaaS | Security | Big Data | GenAI | ChatGPT
911k members

The following hashtags have been found to be popular:

Hashtag	Followers
#bigdata	7,072,533 followers
#cloudcomputing	3,852,946 followers
#artificialintelligence	2,451,302 followers
#machinelearning	1,738,030 followers
#deeplearning	891,812 followers
#datascience	830,885 followers
#AI	626,707 followers
#robotics	453,833 followers
#robots	221,198 followers
#AIOps	2,148 followers

LinkedIn

This is what a LinkedIn post looks like using the Cloud Intelligence/AIOps design guide using the ASPLOS24 Workshop as an example for the content:

Bolinas Frank • 1st

AI and Art

14h • 🌐

The digital transformation is happening in all industries. Running businesses on top of cloud services (e.g., SaaS, PaaS, IaaS) is becoming the core of this transformation. However, the large-scale and high complexity of cloud services   ...see more

Cloud Intelligence / AIOps
AI/ML for Efficient and Manageable Cloud Service

April 27th - May 1st, 2024 San Diego

5th International Workshop on Cloud Intelligence / AIOps (AIOps '24)

cloudintelligenceworkshop.org

👍❤️💡 9,416   934 comments · 1,449 reposts

👍 Like   💬 Comment   ⟲ Repost   ✈ Send

Facebook

"Facebook is primarily an advertising platform." -Mark Zuckerberg

ChatGPT estimates that there are about 290k data scientists with profiles Facebook. The following are the popular data science related groups with their member count.

ChatGPT Ideas, Tips & Tricks
1.9M members
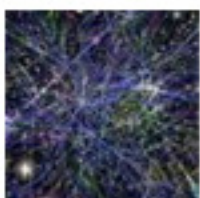
ChatGPT & OpenAI
1.4M members

ChatGPT Experts
1.2M members

Artificial intelligence, Machine learning, Deep learning
739k members

Artificial Intelligence & Deep Learning
595k members

AI for the Culture (Exploring Artificial Intelligence)
591k members

Learning Pretty AI by Design 🎨 Class In Session 🎓💅
502k members

Data Science
474k members

Data Science & AI World
471k members

ChatGPT for Business & Life
257k members

The following hashtags have been found to be popular:

#AI	24M posts
#chatgpt	17M posts
#data	6.9M posts
#artificialintelligence	4.6M posts
#machinelearning	3.6M posts
#datascience	3.3M posts
#bigdata	3.0M posts
#AIart	2.9M posts
#robotics	2.3M posts
#AIOps	26k posts

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Facebook

This is an unpublished page created in Fcebook for the Cloud Intelligence/AIOps Workhop:

Instagram

"I think Instagram is a super positive space." -Mark Zuckerberg

The following are the popular data scientists with their follower count.

chatgpttricks
1.1M followers

openai
915k followers

chatgptmastery
822k followers

github
433k followers

learn.machinelearning
242k followers

datasciencebrain
206k followers

datascienceinfo
177k followers

nvidiaai
163k followers

msft_research
112k followers

machinelearning
100k followers

The following hashtags have been found to be popular:

#AI	18.7M posts
#AIart	13.5M posts
#artificialintelligence	6.0M posts
#aiartcommunity	5.7M posts
#aiartwork	4.3M posts
#generativeart	3.4M posts
#machinelearning	2.9M posts
#robotics	2.8M posts
#NLP	2.1M posts
#AIOps	5k posts

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Instagram

This is what a Instagram post looks like using the Cloud Intelligence/AIOps design guide using the ASPLOS24 Workshop as an example for the content:
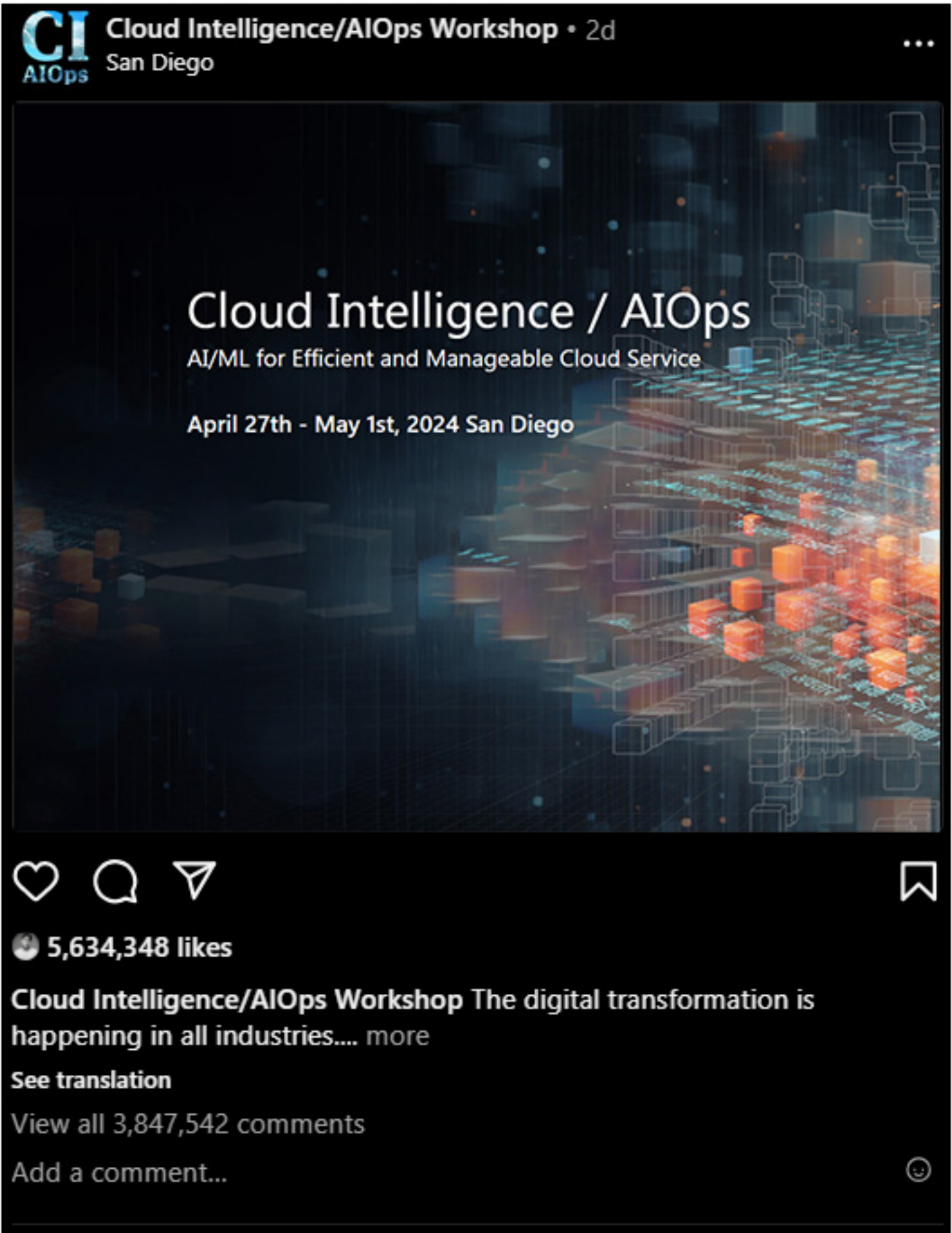
X

"If you need inspiration, don't do it." -Elon Musk

The following are the popular data science accounts with their follower count.

Microsoft Azure @Azure
1M followers

Kaggle @kaggle
282k followers

Data Science Central @analyticbridge
236k followerss

Samuel Sinyangwe @samswey
213k members

Data Science Central @Datasciencectrl
195k followers

Data Science Fact @DataSciFact
190k followers

Data Science Dojo @DataScienceDojo
184k followers

Bojan Tunguz @tunguz
172k members

AI @DeepLearn007
134k followers

Azure Support @AzureSupport
119k members

X

This is what an X post looks like using the Cloud Intelligence/AIOps design guide using the ASPLOS24 Workshop as an example for the content:

Cloud Intelligence/AIOps Workshop ✅ ⋯

📢Digital transformation is reshaping all industries, with cloud services like SaaS, PaaS, & IaaS at its heart. But, the complexity & scale of cloud adoption pose challenges, demanding resources, knowledge & effort. AI/ML emerges as key to efficiently build & operate these services. #DigitalTransformation #CloudComputing #AI👇

Cloud Intelligence / AIOps

AI/ML for Efficient and Manageable Cloud Service

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💬 1.4K   ⟲ 5.3K   ♡ 16K   ᴵˡᴵ 49M   🔖 ⬆

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