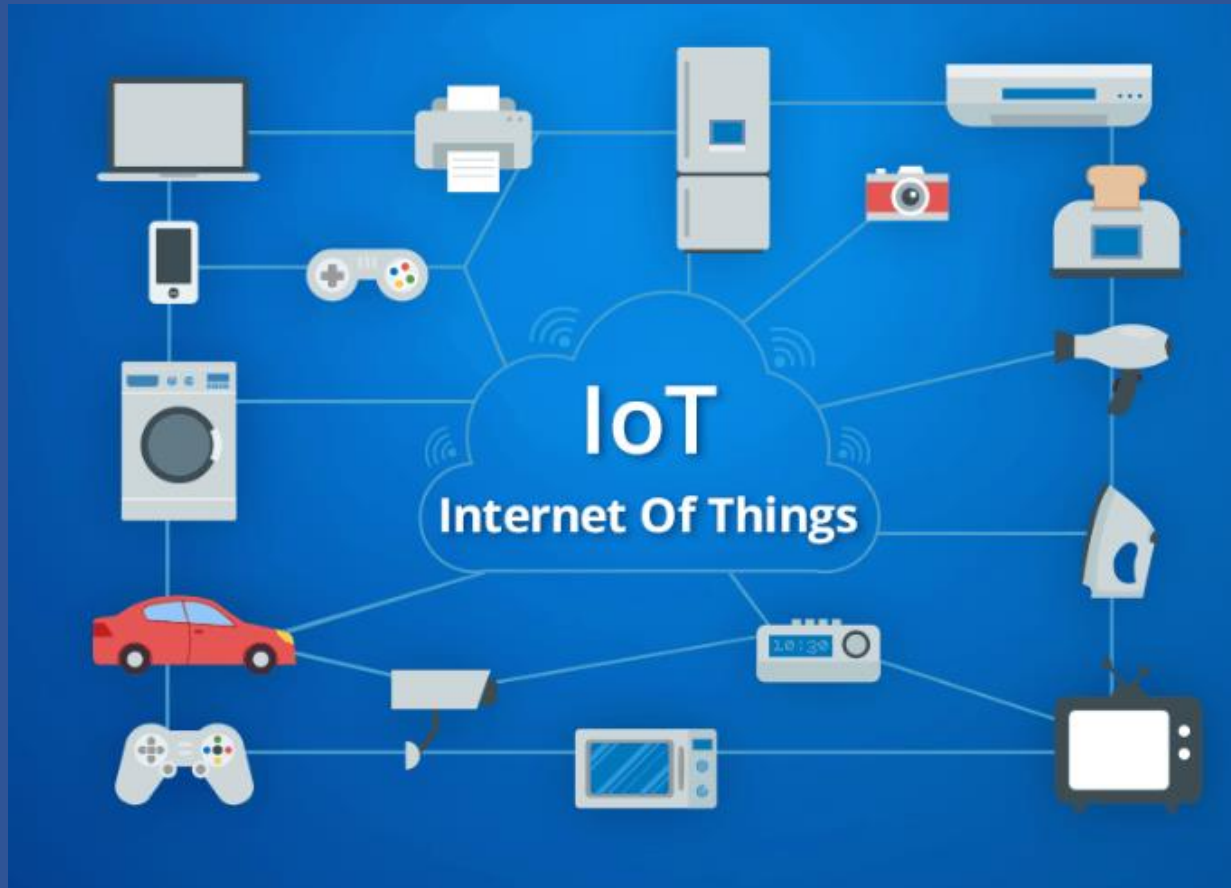


# Introduction to IoT



# What is Internet of Things?

The internet of things (IoT) is the network of physical devices, vehicles, buildings and other items—embedded with electronics, software, sensors, and network connectivity that enables these objects to collect and exchange data.

Wikipedia

## Gartner's definition

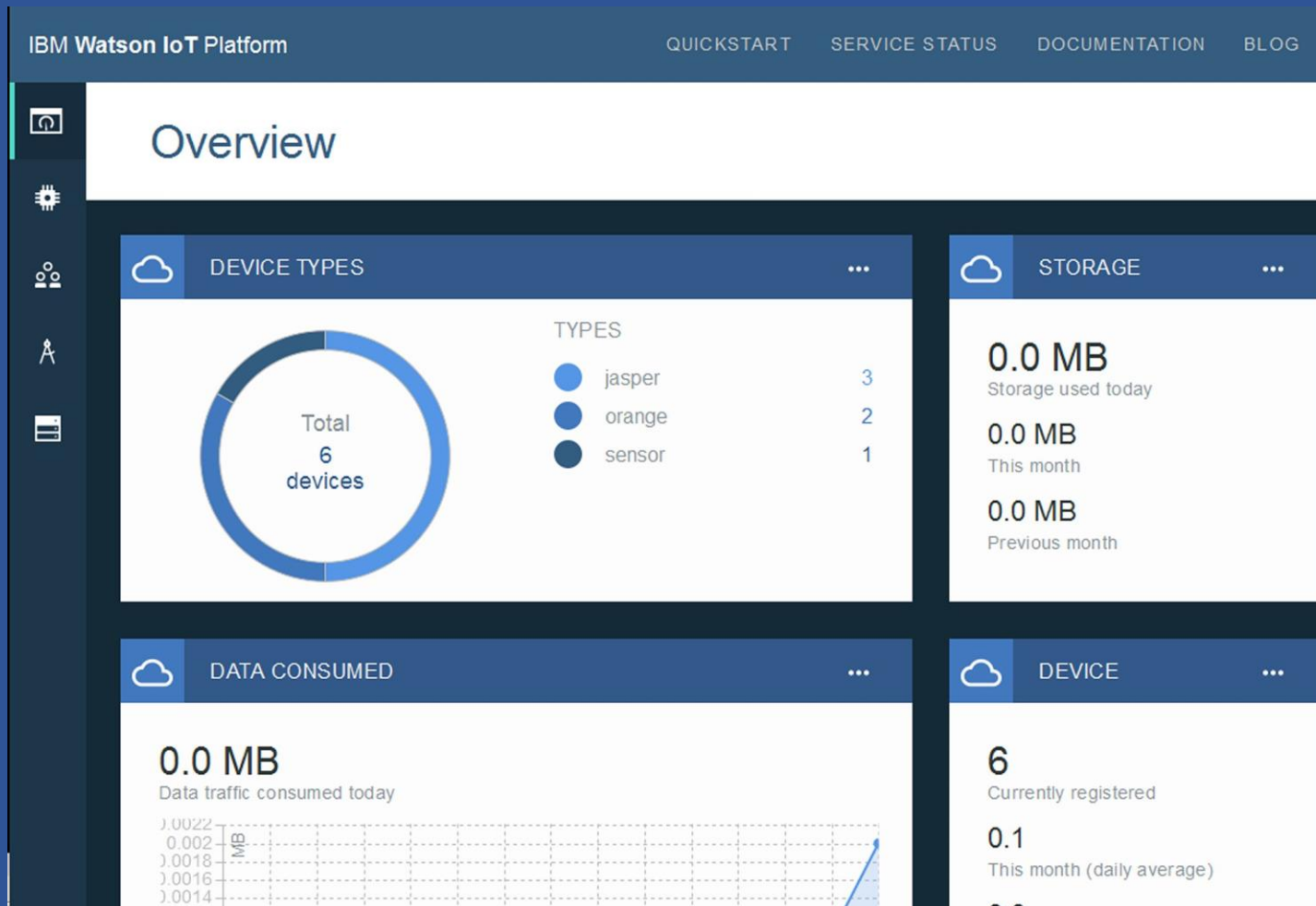
“The network of physical objects that contain embedded technology to communicate and interact with their internal states or the external environment.”

Source: Gartner



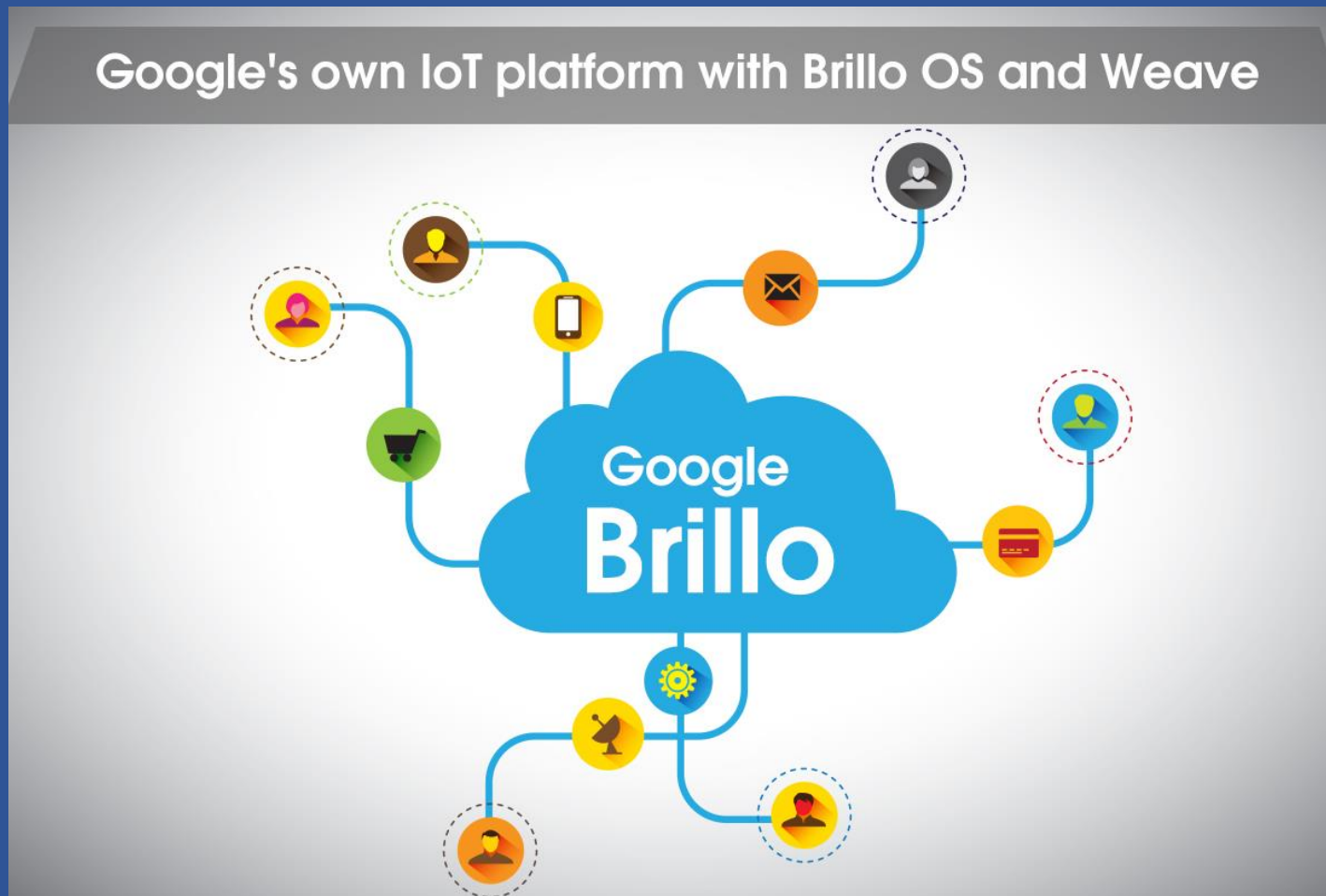
# IBM

Watson Internet of Things. Cognitive Internet of Things will transform the way every person experiences the physical world.



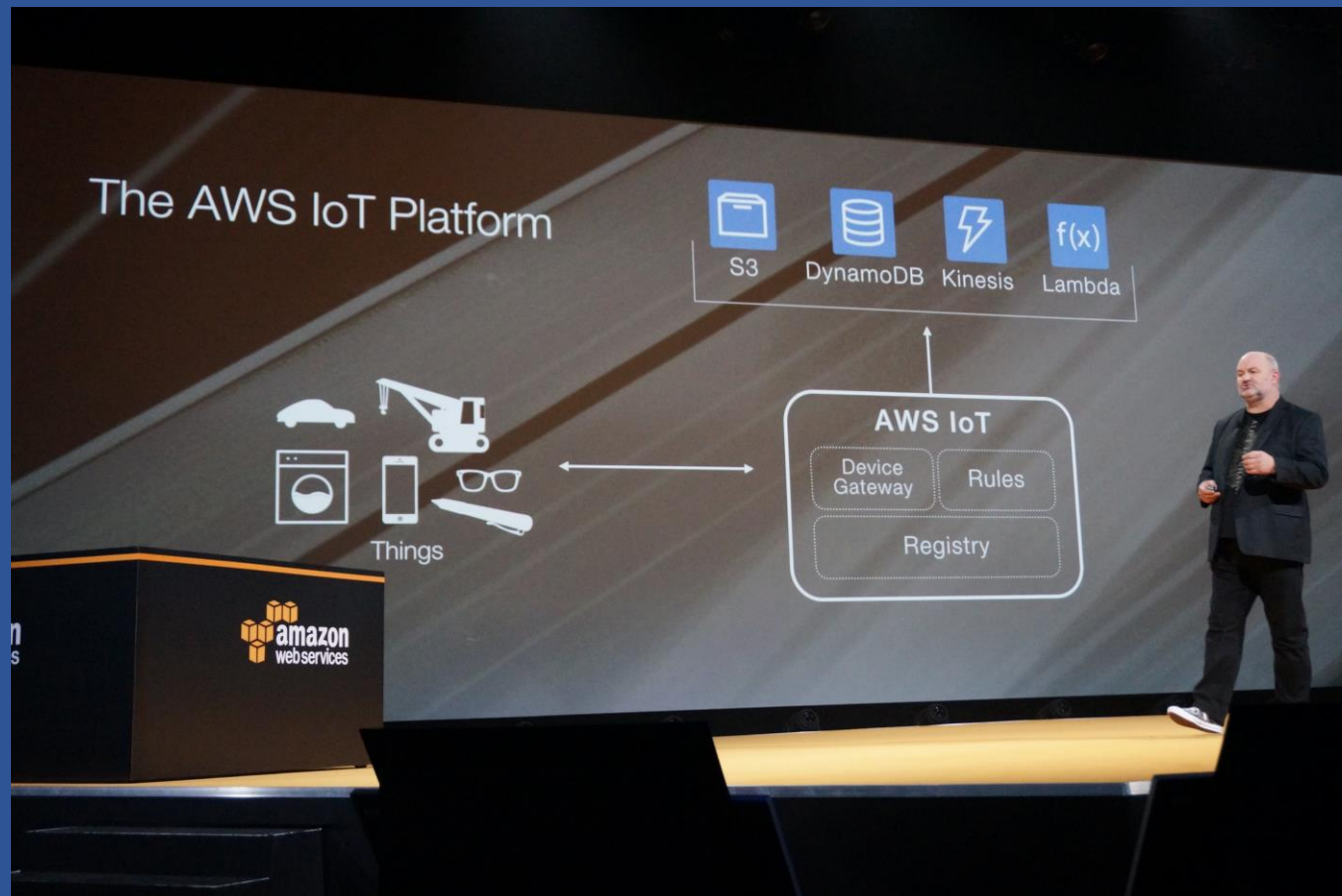
# Google

Google Brillo. brings the simplicity and speed of software development to hardware for IoT with an embedded OS, core services, developer kit, and developer console.



# amazon

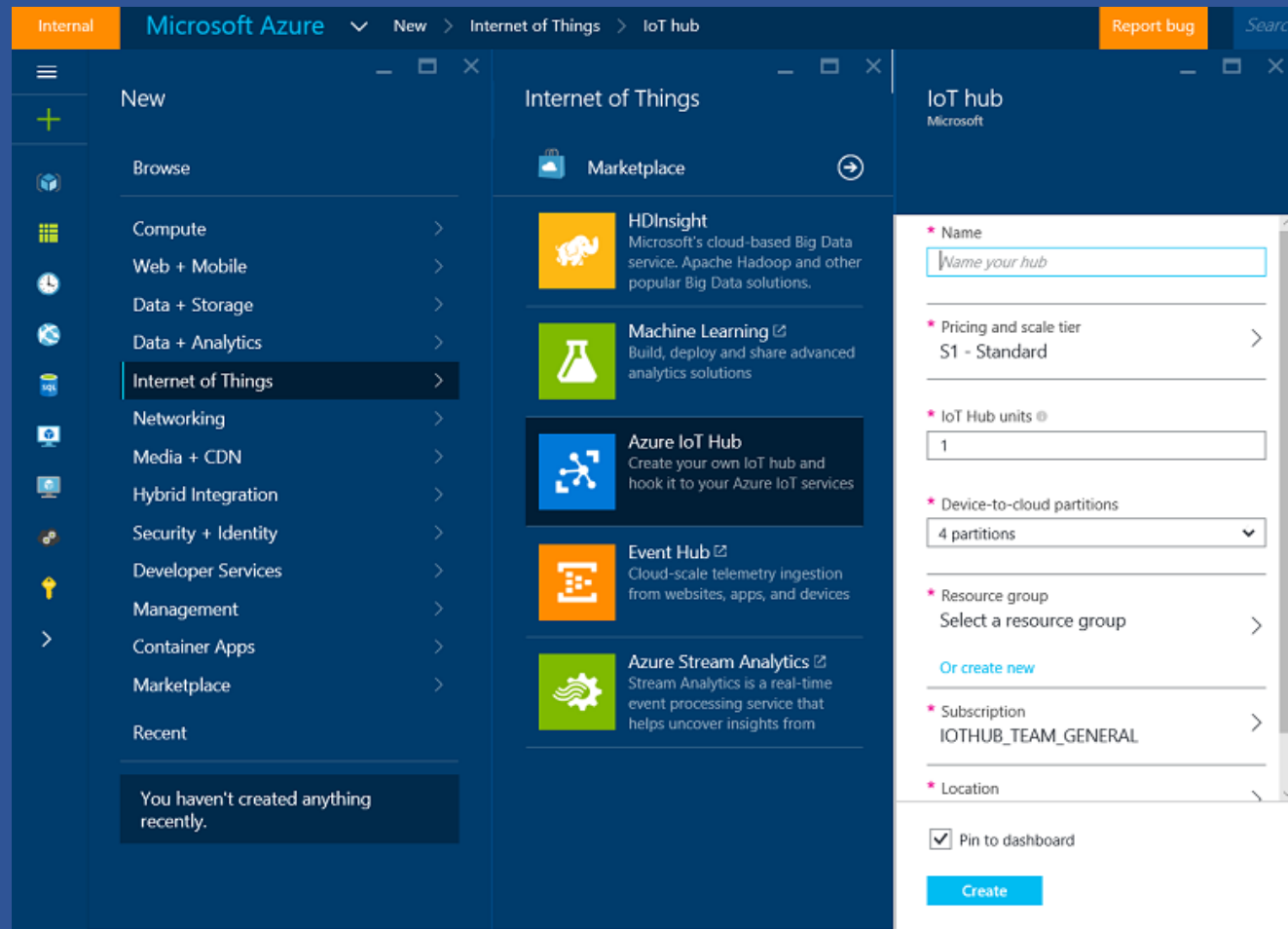
amazon AWS IoT. Easily and securely connect devices to the cloud.  
Reliably scale to billions of devices and trillions of messages





# Microsoft

Microsoft Azure IoT Suite. Capture and analyze untapped data to improve business results



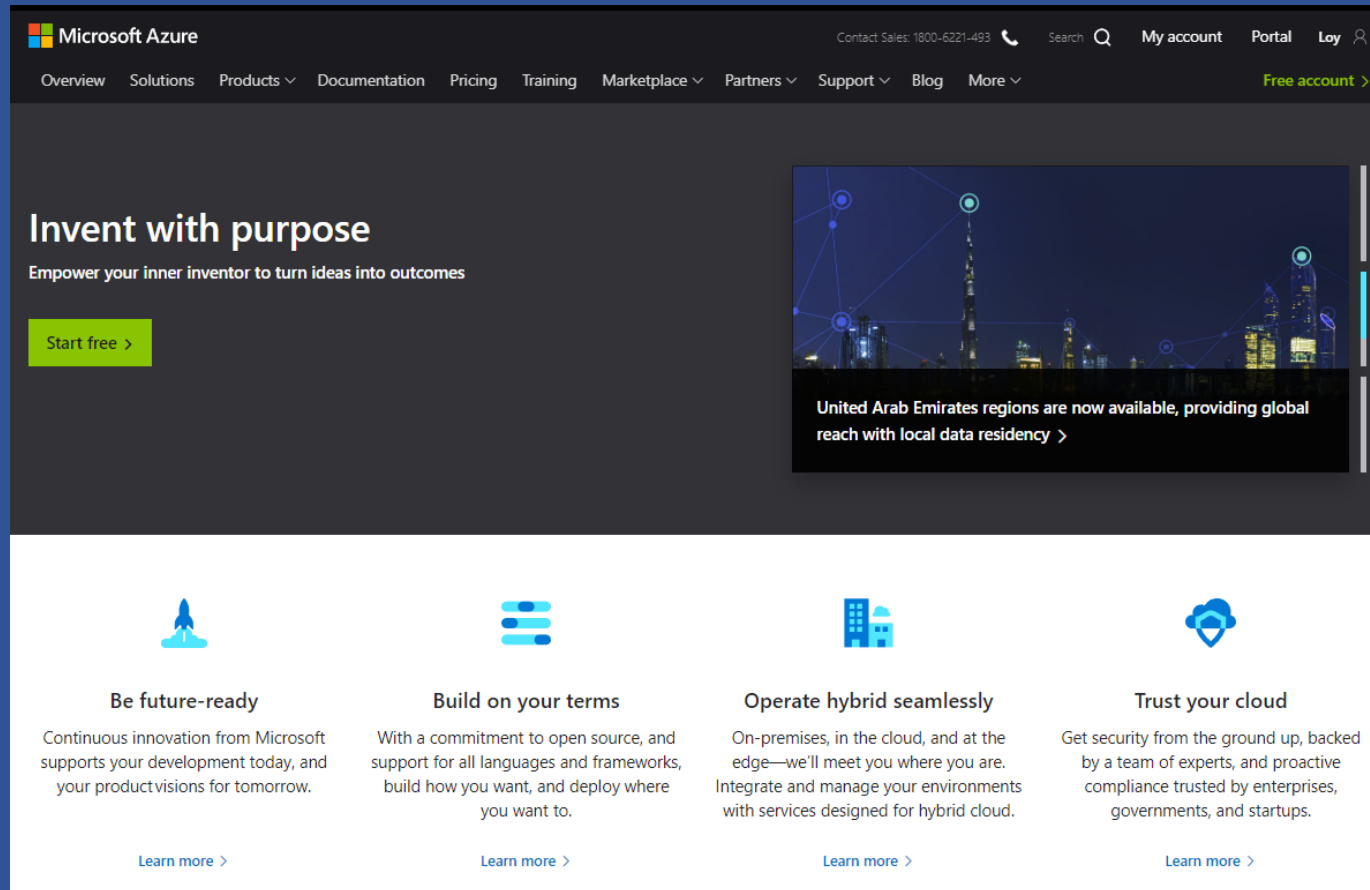
# IoT Application

- Smart Cities
- Smart Environment
- Smart Water
- Smart Metering
- Security & Emergencies
- Retail
- Logistics
- Industrial Control
- Agriculture
- Animal Farming
- Domestic & Home Automation










# Microsoft Azure Subscription

<https://loy2art.blogspot.com/2019/03/microsoft-azure.html>



The screenshot shows the Microsoft Azure website homepage. At the top, there's a navigation bar with the Microsoft Azure logo, contact information (1800-6221-493), a search bar, and links for 'My account', 'Portal', and 'Loy'. Below the navigation bar, there's a main section titled 'Invent with purpose' with the subtitle 'Empower your inner inventor to turn ideas into outcomes'. A green button labeled 'Start free >' is prominent. To the right, there's a featured image of a city skyline at night with a network overlay, and text stating 'United Arab Emirates regions are now available, providing global reach with local data residency >'. Below this, there are four columns, each with an icon and a heading: 'Be future-ready' (rocket icon), 'Build on your terms' (stack of blocks icon), 'Operate hybrid seamlessly' (building icon), and 'Trust your cloud' (cloud icon). Each column contains a brief description and a 'Learn more >' link.

**Microsoft Azure** Contact Sales: 1800-6221-493 Search  My account Portal Loy 


Overview Solutions Products  Documentation Pricing Training Marketplace  Partners  Support  Blog More  [Free account >](#)

## Invent with purpose

Empower your inner inventor to turn ideas into outcomes

[Start free >](#)


United Arab Emirates regions are now available, providing global reach with local data residency >



### Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow.


[Learn more >](#)



### Build on your terms

With a commitment to open source, and support for all languages and frameworks, build how you want, and deploy where you want to.


[Learn more >](#)



### Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with services designed for hybrid cloud.

[Learn more >](#)



### Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

[Learn more >](#)

# What's next?

