

# Internet of Things (IoT) Blueprint

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## Summary

This document outlines how Internet of Things (IoT) platforms can be deployed by businesses to enhance operations and the user experience. It shows how placing distributed IoT solutions at the digital edge and interconnecting them to digital technologies — big data analytics, artificial intelligence (AI) and machine learning (ML) — accelerates the production of more accurate insights. It also illustrates how direct and secure interconnection to networks, clouds and industry ecosystems speeds the delivery of innovative IoT solutions to market.

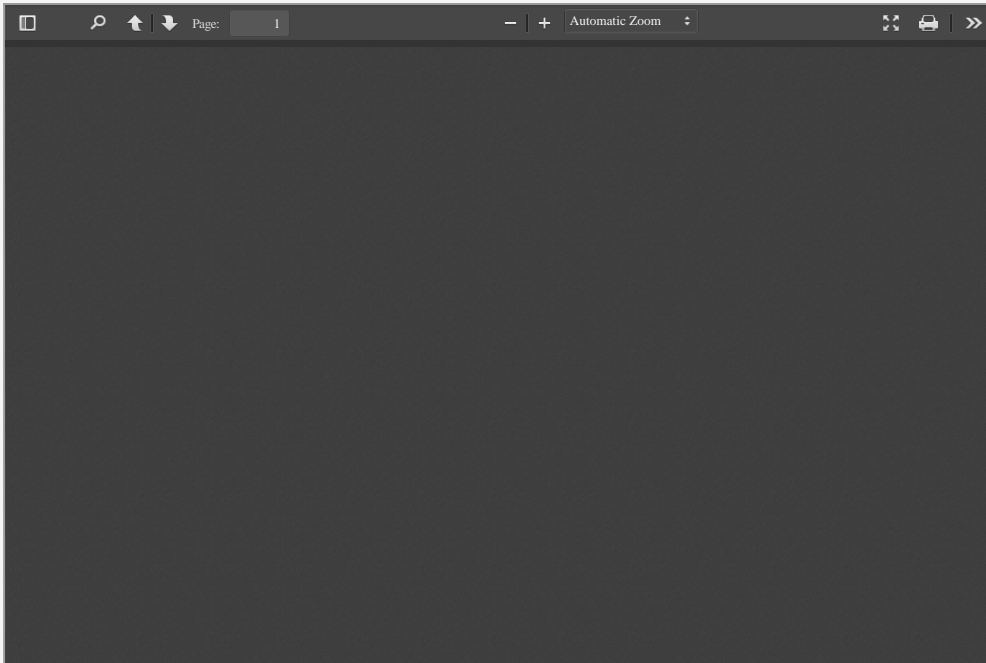
## Your situation

To succeed, business IT infrastructures must be re-architected. Placing IoT platforms at the digital edge allows businesses to capture device data and take timely action against it. Interconnecting IoT systems and processes at the digital edge, using distributed control points closest to users, IoT assets, applications, mobile networks, and clouds (for IoT gateways) delivers the performance, security and scalability required to meet business and customer needs, and gain the greatest value as an IoT-enabled digital business.

## Capabilities include

- Globally scale IoT solutions efficiently leveraging a common digital platform
- Maximize choice while remaining multicloud and multi-network neutral
- Control the devices, the data, the traffic and the security to remain regulatory compliant
- Continually tailor placement of analytics and data processing as circumstances and scale changes

- Avoid excessive cloud data ingress and egress, cloud migration and exit costs
- Balance local and regional bandwidth as needed with the ability to rewire the topology at will without re-architecting
- Collect and consume data from any source on any network seamlessly, as well as exchange data with partners



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