



What Is a Digital Twin?

Digital twins are virtual representations of real-world objects or environments, informed by real-world data, that enable rich simulation, spatial awareness, and automation.

Digital Twin at a Glance

Business challenges:

Organizations lack visibility into complex edge systems.

Introducing new technology to intricate edge deployments is costly.

Edge and sensor data is often fragmented and siloed.

Solution:

 Digital twins provide deeper visibility into real-world objects and environments.

 Organizations can simulate changes to edge environments to optimize costs.

 Digital twins aggregate real-world data into a centralized foundation for AI and more.

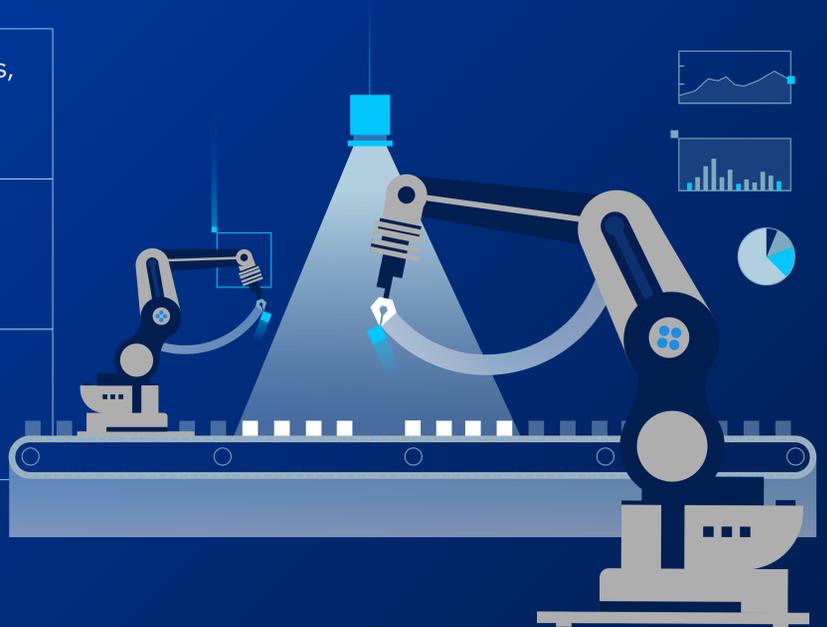
Benefits of Digital Twins

Digital twins enable new ways to observe, simulate, and automate across virtually any industry.

Improve product design: Use virtual twins, a type of digital twin, to test prototypes before production.

Minimize downtime: Easily monitor the status of a digitally twinned object and enable predictive maintenance.

Enhance automation: Empower robotics to interact with digitally twinned environments using spatial awareness.



Digital Twin Use Cases

Healthcare: Create digital twins of patients or facilities to enhance remote monitoring and help improve outcomes.

Energy: Manage and optimize energy distribution with digitally twinned energy grids.

Telecom: Enable data-rich monitoring, stress testing, and contingency planning with digitally twinned networks.

Automotive: Establish a data-rich foundation for software-defined vehicles and prototypes.

Manufacturing: Simulate changes to floor plans and efficiently monitor asset health.



Extend the value of your edge investments, including AI, with digital twins

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