



タイトル：ラストワンマイルを自動化する ：エッジにおける一貫性とスケーラビリティの確保

The image shows the cover of an IDC SPOTLIGHT report titled "Edge Growth Drives Need for Automating the Last Mile". The cover features the IDC logo, the SPOTLIGHT logo, and a blue background with a network diagram. The text on the cover includes a summary of the report's focus on digital-first organizations and edge computing, the title "Edge Growth Drives Need for Automating the Last Mile", the date "April 2023", and the authors "Dave McCarthy" and "Jevin Jensen". There are also sections for "Introduction" and "AT A GLANCE" with key statistics.

IDC **SPOTLIGHT**
Sponsored by: Red Hat

Digital-first organizations are looking to edge computing as a key differentiator for creating business value. As companies distribute infrastructure and workloads outside of the datacenter, an automation strategy is essential for consistency and scalability.

Edge Growth Drives Need for Automating the Last Mile

April 2023

Written by: Dave McCarthy, Research Vice President, Cloud and Edge Infrastructure Services, and Jevin Jensen, Research Vice President, Infrastructure and Operations

Introduction

Edge solutions will drive the next wave of innovation as organizations execute digital transformation initiatives. Whether to automate operations, deliver rich customer experiences, or introduce new business models, edge solutions hold many benefits for enterprises. In addition, CIOs want to take advantage of cloud-native application design and software-defined infrastructure with the freedom to deploy anywhere.

This evolution is part of an expanded definition of hybrid cloud. The concept has evolved from a duality of on-premises and public cloud resources to include edge locations such as factories, hospitals, and retail stores. This flexibility in workload placement is essential to achieving the right balance of performance and security.

The move by organizations toward diversifying their footprint is significant because they realize that much of their differentiation and ability to create competitive advantage occurs in these edge locations. For manufacturing, edge computing combined with artificial intelligence (AI) has the potential to optimize processes, resulting in increased yield and reduced defects. Healthcare providers can automate the analysis of MRI scans to diagnose a patient and recommend a specialized treatment plan more accurately. Retailers can better understand customer behavior and provide personalized promotions and product recommendations, while using AI to detect shoplifting at self-checkout stations.

As edge environments grow, there is an increased requirement for consistent management and interoperability to reduce complexity. Adoption of enterprise open source technologies and, ultimately, an open hybrid cloud helps minimize vendor lock-in, facilitates standards-based integration, and leverages the open source community to accelerate the development of new capabilities.

Regardless of the use case, one thing holds true: The distributed and heterogeneous nature of these systems requires a common automation platform that makes it easier to deploy new sites and manage logistics of mass configuration while maintaining policy-based security that extends from edge to cloud.

AT A GLANCE

KEY STATS

- IDC forecasts the overall market for edge hardware, software, and services will reach \$317.4 billion by 2026.
- 70% of organizations look to edge solutions as a key element of business transformation.
- There was 50% annual growth in edge production transactions from 2021 to 2022.

Red Hat Ansible Automation Platform이 하이브리드 클라우드 인프라 전반에서 엔터프라이즈 IT 과제를 해결하도록 지원하는 방식에 대해 알아보세요.