



NTT Docomo delivers flexible, scalable 5G Standalone service



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Software and services
Red Hat OpenShift
Red Hat Consulting

Partner
NEC Corporation

Headquarters
"Moving from VMs [virtual machines] to containers lets us standardize implementation of updates and scale more smoothly than before, without any service disruption or the need to perform individual procedures for each type of vNF [virtual network function]. The update process is also more efficient for our teams as well."

Telecommunications
2,500 implementations of 5G SA by March 2023

Benefits
• Improved network resource use and scalability
• Simplified 5G service development
• Enhanced container adoption with expert strategic support

NTT Docomo, Japan's largest telecommunications service provider, sought to launch a 5G Standalone (SA) service to millions of business and consumer customers. They needed a 5G core and flexible infrastructure that would allow simultaneous, reliable connection of multiple high-volume terminals using high-speed, high-capacity telecommunication with extremely low latency.

NTT Docomo selected NEC Corporation's 5G Core for SA, based on a cloud-native architecture running on Red Hat OpenShift. With ongoing, collaborative support from NEC and Red Hat Consulting, they were able to:

- Improve network resource use and scalability.
- Simplify 5G service development.
- Enhance container adoption with expert strategic support.