Initiatives Concerning Development of Applications Utilizing Blockchains

The development of services utilizing blockchains is increasing. In this article, we explain issues related to the design of applications using blockchains that require further investigation and use cases that exploit the advantages of blockchains. The use cases focus on the distribution management of management targets, namely, data managed by blockchains. Development of a common-function module for supporting development of applications is also described.

Virtual Machine Management Technology for Operating Packet Switching System in a Virtualization Environment

NTT Network Service Systems Laboratories is developing infrastructure technology for operating virtualized packet switching system service functions with the aim of realizing a network control infrastructure providing safe and secure services. In this article, we introduce virtual machine management technology for sharing hardware resources in a virtualization environment and onboarding and operating packet switching system service functions in conjunction with OpenStack.