“Resource management technology”, “Supporting technology to create log filter rules”, “Continuous tuning technology of monitoring configurations”, these three technologies reduce the operating cost of the cloud environment greatly.

Features

- Cloud environment has high user convenience. But there are operation problems on the cloud, sharing resources among multiple systems may cause unexpected performance degradation or logging alerts may increase due to the addition of a virtualization layer. In order to cope with the problems peculiar to the cloud environment, we are working on the following three approaches.
- “Resource management” detects VMs that occupy large amount of NW bandwidth, storage I/O capacity. So that it controls resource utilization of VMs to reduce service level degradation caused by resource occupancy.
- “Supporting technology to create log filter rules” enables to generate log filtering rules that extract logs that really need to be checked.
- “Continuous tuning technology of monitoring configurations” can analyze manipulation by operators in order to prioritize and optimize monitoring configuration, so that it can suppress unnecessary alerts.

Application Scenarios

- Applying these technologies to the operation of cloud environment to reduce the operation labor of cloud service providers
- Improving quality of cloud services by reducing disruption possibility of the service and service outage time. It also reduces operation labor.