This poster introduces the Grid-based IT’s applications which are designed and developed to improve the service quality by using Grid technology. During the last several years, the Grid technology had focused on the science application field like ST, NT and BT, but recently is extended to IT area and is used in various fields by integrating with IT technology.

We developed Grid-based prototypes of IT applications: on-line game service[1], telematics navigation service[2] and rendering service. Using Grid technology, we implemented the real-time allocation and load balancing of server.(Figure1, Figure2)

Figure 1. Grid-based Online Game Architecture

In addition, we design the application and service platform for Grid pilot services: on-line game service and ASP service. Grid-based ASP service will provide the service applications requiring a large of computing equipments in the distributed computing environment using Grid technology.(Figure3)

Figure 2. Rendering Contents

Figure 3. Architecture of Grid-based Online Game pilot Service

This researches on Grid Application has been done as a part of K*Grid Project.

REFERENCES