

IPv6 for Grid

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IPv6 has various advantages over IPv4 such as intergrated security feature, improved mobility and large number of address space. Thus, the Grid networking will eventually adopt IPv6. The awareness about IPv6 should also be improved in Grid community. Grid toolkit should have the flexibility to comprise IPv6. Grid NOCs should make a transition from IPv4 to IPv6 for their networking infrastructure and services. From these point of view, the strength and pitfall of IPv6 technology is overviewed. KISTI's initiative in Korea to utilize IPv6 for the Grid networking will also be explained