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Experience with IPv6 deployment in FZU ASCR in Prague

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We are facing exhaustion of IPv4 addresses and transition to IPv6 is becoming more and more urgent. In this contribution we describe our current problems with IPv4 and our special motivation for transition to IPv6. We present our current IPv6 setup and installation of core network services like DNS and DHCPv6. We describe our PXE installation testbed and results of our experiments with installing operating system with PXE through IPv6. We have tested native PXE implementations of our current hardware as well as open source network bootloader gPXE. Actualisation of CRL of certification authorities is a service used by all components of gLite. We have prepared a web service for testing availability of revocation lists of certification authorities from lcg-CA bundle.

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