

3C2 Development of the CESNET2 Optical Network

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Abstract:

This presentation deals mainly with the implementation of the CESNET2 optical network for the purposes of the National Research and Education Network (NREN) of the Czech Republic. Attention is paid mainly to the data and experience that could be used for building optical NRENs in other countries. Increasing the number of devices for STM-16 and buying expensive routers and interface circuits for STM-64 for CESNET2 will probably not be necessary. Instead, new lines will be used for the gigabit Ethernet and the most essential backbone routes will be converted to 10-Gigabit Ethernet. The 'last optical mile' problem in Czech cities is discussed.