

## Abstract

The presentation aims to give a brief overview on the technical details applied in building country-wide homogenous processing resource, called virtual supercomputer or the Hungarian ClusterGRID, from ordinary PC-s. Different layers of the solution will be shown, such as Virtual Private Network architecture, network root file system or automated switching between the different operation modes (i.e. ordinary usage, and grid usage). The current production system integrates more than 400 nodes.