

LANCOM Reference Projects

VPN for Site Connectivity in Education

Idea / Requirements

- **Broadband, high-availability connection** of tutoring centers and area managers to the company's data center
- **Optimization of** internal processes and communication
- **Cost-effective use** of central IT resources
- **Minimization of infrastructure** at the schools

Solution

- **Universal VPN** for the headquarters and all schools via **standard DSL connections**
- **DSL/VPN routers LANCOM 1721 VPN** at the schools
- **Advanced VPN Clients** for the field staff
- Installation of a **gateway cluster** at the data center
- All applications are provided centrally via a **Citrix server**; the schools work with **thin clients**
- Use of the **router as a printer server** (via USB port)

Advantages

- **Fast communications** due to integration into the network at the headquarters
- **One device for many functions:** Networking, printer connection, Internet access
- **Easy rollout and management** due to standardized solutions at all schools
- **Highest availability** thanks to gateway cluster



VPN provides hundreds of schools with access to the network and the Citrix server at the data center



Infrastructure

Approx. 700
LANCOM
1721 VPN
routers for the
schools

Approx. 25
Advanced VPN
Clients for the
area managers

4x LANCOM
8011 VPN central
site gateways in
cluster-mode at
the data center

studienkreis
» Nachhilfe.de

Customer

The **Studienkreis** is a company in the **Cornelsen Publishing Group** and, having tutored over 850,000 school children, it operates Germany's most visited tutoring centers. All over Germany more than 1000 school children are tutored every day in various subjects. Some locations offer specialized tutoring of children suffering from dyslexia or dyscalculia (learning difficulties with mathematics), or for the intellectually gifted. About 40 percent of the Studienkreis tutoring schools are run by self-employed partners.

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LANCOM
Systems