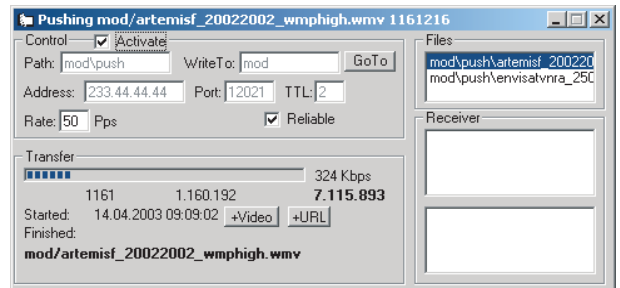
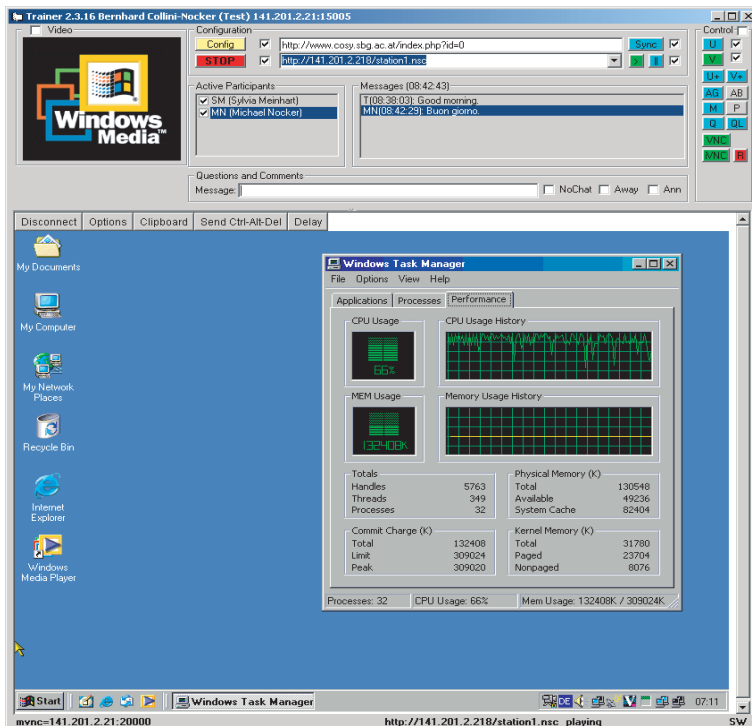


## distLearn

**DistLearn** is a flexible and open e-training platform ready to be adopted and/or expanded for specific educational requirements.

**DistLearn** provides functions to effectively manage training sessions, such as interactive feedback and examination, replay of archived training sessions, private interaction with Trainer and among students, and pushing of training materials.



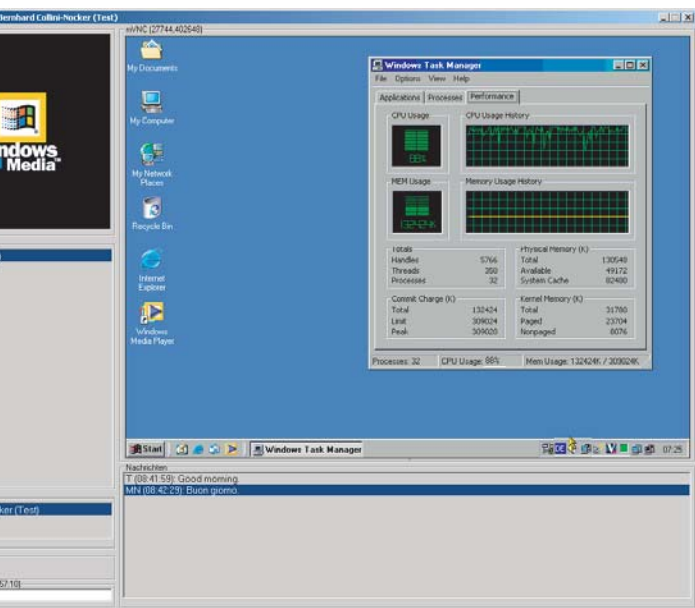
**DistLearn** supports multicast streaming of VNC sessions with which application training can be performed efficiently.

**DistLearn** integrates and relies on off-the-shelf products, such as Microsoft Media Technology and gcs/unisal SIMPLE technology, to provide a sophisticated, yet easy-to-use interface.

**DistLearn** efficiently exploits satellite capacity through IP multicast-only transmissions and at the same time significantly reduces return link requirements and disturbing delay effects via text based student/teacher interaction.

**DistLearn** also supports local class rooms, where Students are directly attached to a local area network or connected to a multicast enabled network.

**DistLearn** does not require costly hardware, it performs best on a standard PC running Windows with an attached IRD card or USB-box to receive directly from satellite. In local class rooms only a LAN interface card is necessary.



**DistLearn** is composed of three components: Trainer, Student, and Reflector and allows for seamless integration into existing asymmetric satellite-broadband and Internet-return based systems.

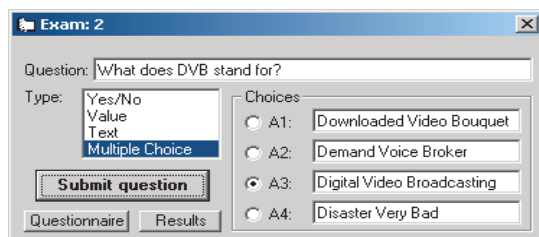
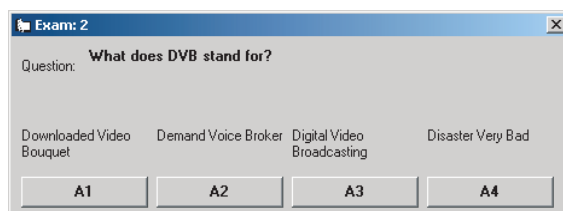
**DistLearn** runs on the most popular Windows operating systems (98/2K/XP).

**DistLearn Trainer** accepts unicast UDP based status reports and messages from Students and redistributes these via the Reflector or itself as IP-multicast. Moreover the Trainer can suppress messages from the Students, in order to avoid unwanted "chatting".

**DistLearn Trainer** lists all active participants and allows real-time text based interaction with active and receive-only participants.

**DistLearn Trainer** allows to automatically synchronize the Students slides window and video description location. It is, hence, easy to use in highly dynamic environments.

**DistLearn Trainer** provides an easy-to-use examination/feedback mode with several types of forms, one of it being a multiple choice quiz mode. All exams and results are saved for further evaluation.


Answer	Downloaded Video Bouquet	Demand Voice Broker	Digital Video Broadcasting	Disaster Very Bad
	1	0	1	0

Result

Submitted: 14.04.2003 09:24:39

First answer: Sylvia Meinhart 14.04.2003 09:25:07

Right answer: Michael Nocker 14.04.2003 09:25:10

**DistLearn Trainer** typically operates from a Notebook with a Webcam attached. The Windows Media Encoder, a Web-Server (e.g. apache or IIS) and optionally a VNC-Server are the only other applications required.

**DistLearn Trainer** further integrates management tools, such as Address book, Questionnaire, and Agenda.

**DistLearn Student** periodically sends status messages to the Trainer to assist in keeping track of active participants.

**DistLearn Student** integrates MediaPlayer, Web browser and VNC-Viewer, chat window, session window, and participants lists, into one single program. The Web browser allows to discover the Web as long as the Trainer does not disable it.

**DistLearn Reflector** is typically situated at a broadband satellite uplink station, where also a Media Server is located to unicast fetch and multicast redistribute the video from the trainer.

It converts the unicast contributed messages from the Trainer into a multicast transmission to the Students.

## Contact Information

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