

# Imaging

Imaging makes it possible to install a computer's operating system fully automatically via the network. The computer only needs to be known to the network and a so-called PXE boot - this is the network-based loading process of a rudimentary boot kernel - must be adjustable in the BIOS.

## Hardware Requirements

The hardware that can be used is limited to the usual Dell devices due to the implemented drivers. These are the Dell OptiPlex series 780, 790, 7010, 7020, 5040, 5050, 5060 and 5070.

## Variants of Imaging

The computers with software distribution - i.e. our university menu - are installed in the pool rooms. After the imaging process, the computers end up in the corresponding groups in the Active Directory.

Images are available in the network system for installing a workstation computer, which also installs the software distribution.

Additional images are available for setting up a computer without software distribution and without automated integration into the Active Directory. However, due to the lack of automation, these must be configured after installation.



The result of imaging is that all data on the hard drives is irretrievably deleted.



Since the introduction of the NVMe SSDs in conjunction with Windows 10 - that is the 5040, 5050, 5060 and 5070 series - imaging has only been possible in UEFI mode. Even if these computers use an SSD or HDD, the UEFI mode must be used.

Older computers (790/07010/7020) cannot be imaged via UEFI. The legacy method should be used here.

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