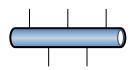
Amoothei-VDI

Architecture: Thinclient Rollout

Initiating thinclient rollout: Boot variants



PXE: normal network boot



USB flash drive / CDrom drive: Network boot initiated by iPXE on boot media



Re-Installation / Upgrades using tc rollout kexec (ssh + kexec)

Integration with Wake-On-Lan is possible. A graphical bootloader menu is available for the first two boot variants.





Thinclient

Fedora Installer: Anaconda Stage 1

Purpose:

Fedora Mirror

Infrastructure Server

- TC Rollout using Kickstart
- Network-Boot for TCs (PXE)
- Remote Logging
- TC-to-VM-Mapping in Database

Tools:

Services:

HTTP

TFTP

NFS

Postgres DB

Rsyslog

- Rollout tools for virtual rooms
- Thinclient remote management tools

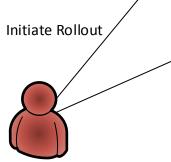


Fedora Installer: Anaconda Stage 2 **Kickstart Postsection**

Thinclient-Installation

Fedora Installer:

- Bootloader loads kernel + initrd (1) of the Fedora installer Anaconda using TFTP or HTTP.
- Anaconda Stage 1 is contained in the initrd. It configures the network using DHCP, loads the kickstart file (2) using HTTP, and loads Stage 2 using NFS (3).
- Anaconda Stage 2 re-formats the local harddrive, fetches RPM-Packages using NFS and/or HTTP (4), and installs them.
- Anaconda executes the kickstart post section. The thinclient software installation (5) and all configuration is done automatically.
- Reboot
- The thinclient is fully operational.



System administrator

Quality control after rollout:

- locally
- remote using to ssh and tc screenshot
- remote using /var/log/remote on infrastructure server