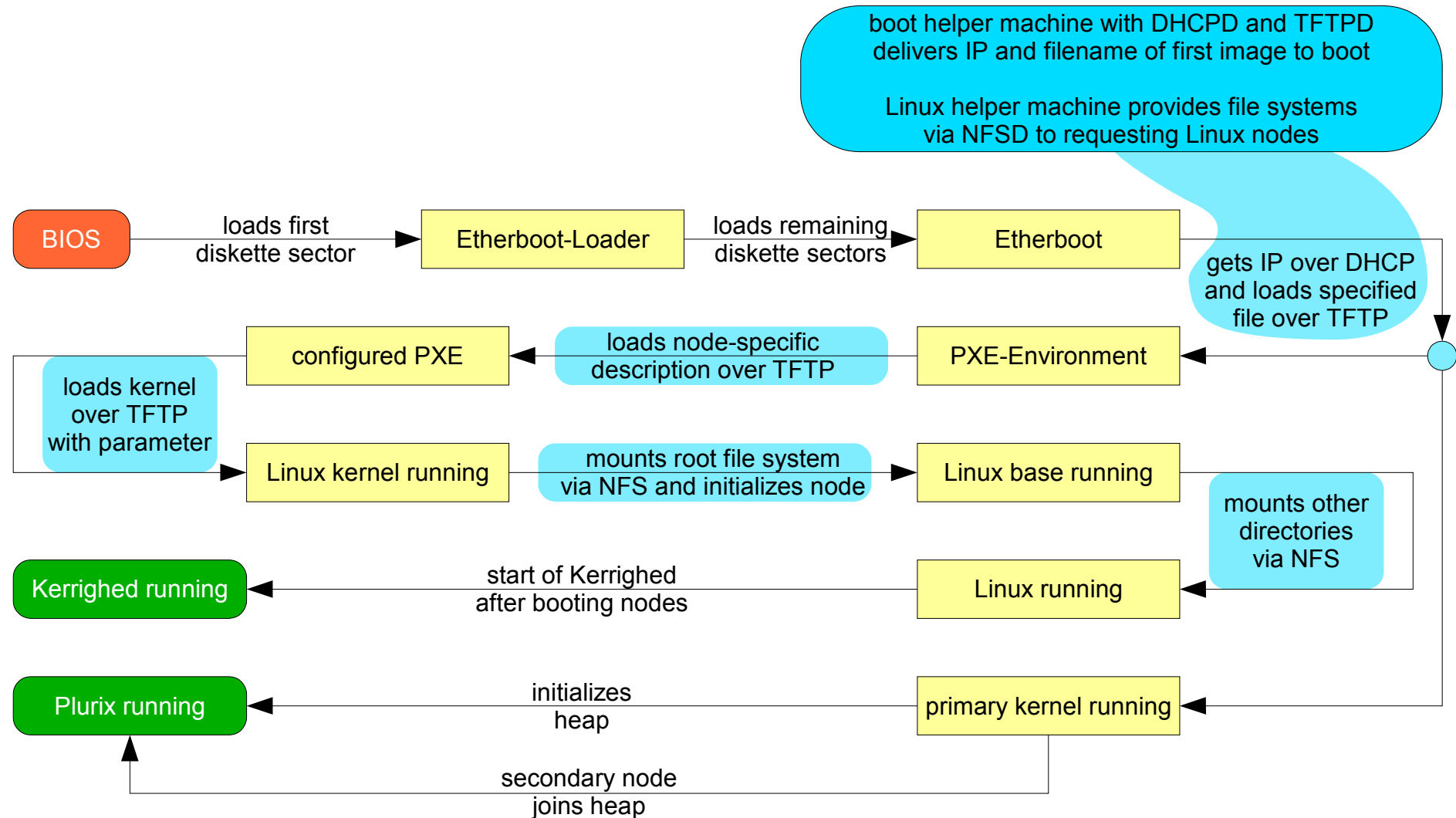


# Kerrighed Running in Ulm

- thanks to Renaud Lottiaux
- based on lean Debian-Linux installation
- patched kernel with localized options and optimizations
- workstations running without hard-disk using NFS
- mixed cluster with Kerrighed and Plurix possible
- isolated cluster with cascaded Fast Ethernet
- currently up to eighteen Athlon nodes
- Internet-connection through router

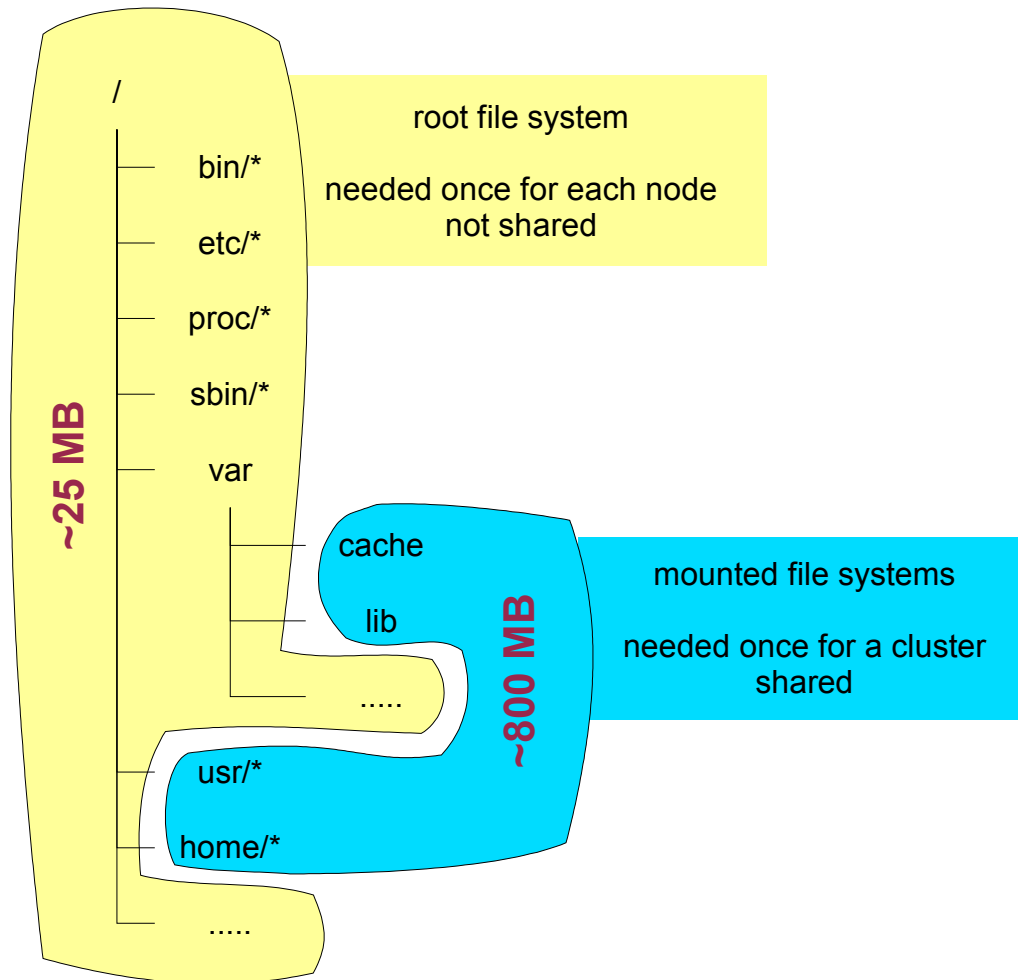


# Network-Booting a Kerrighed or Plurix Node

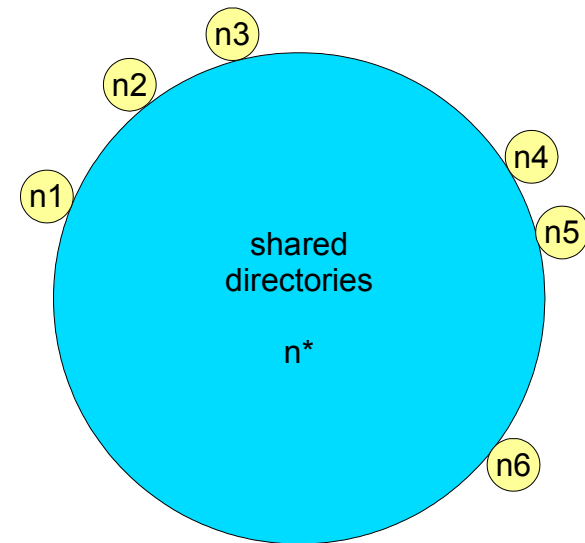


# Directory Structure of Ulm Kerrighed Nodes

node's point of view



cluster's point of view



# Applications Status

- Plurix Ray Tracer
  - running for Kerrighed in Rennes, not compiled in Ulm
  - implemented and tested Plurix
  - sparse communication and high speed up
- Gram Schmidt Orthogonalization
  - implemented for Kerrighed, not tested in Ulm
  - not implemented for Plurix
  - frequent communication and moderate speed up
- 2D Fast Fourier Transformation
  - implemented for Kerrighed, not tested in Ulm
  - not implemented for Plurix
  - lots of communication, no speed up expected