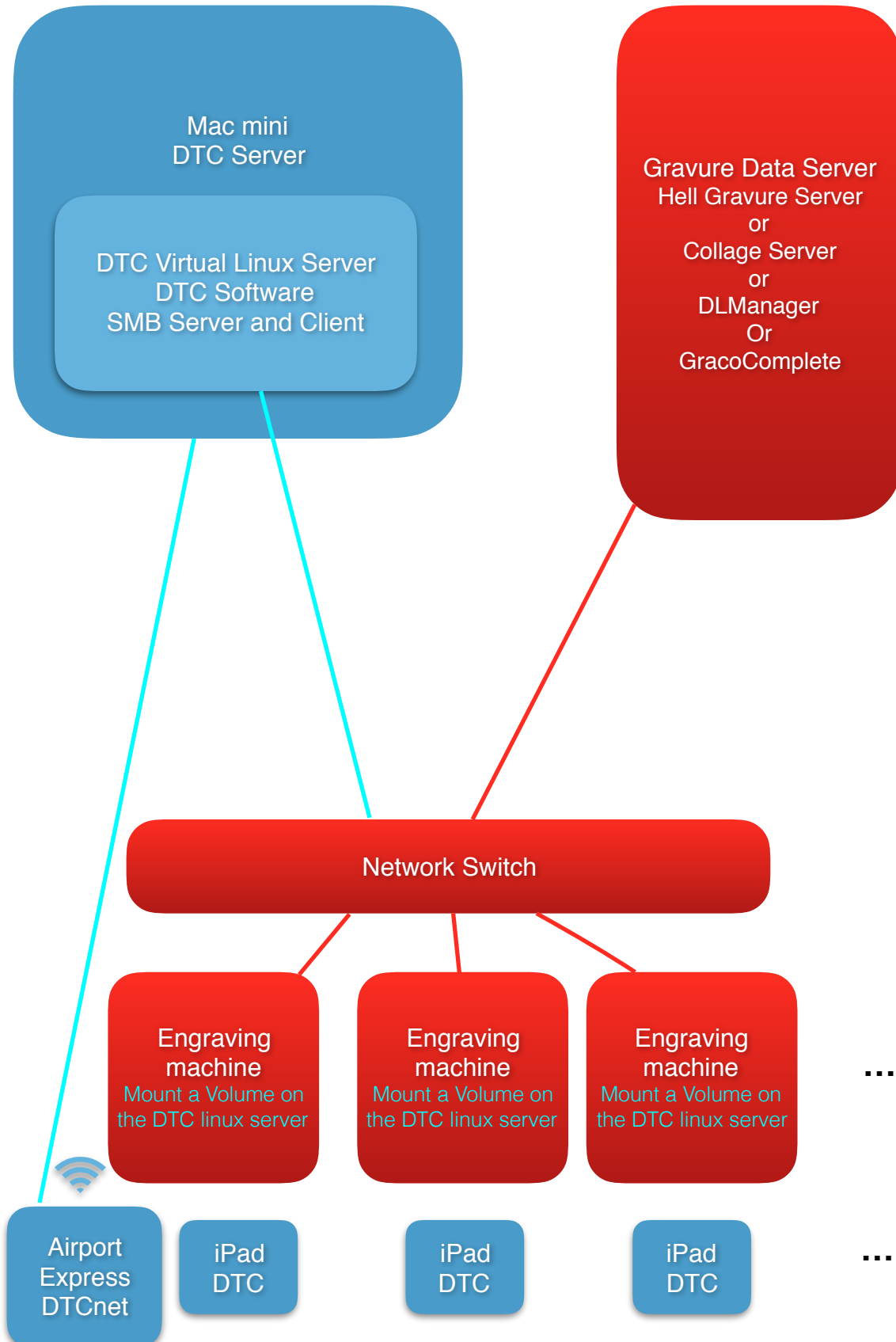




Existing installation (red)  
DTC Hardware (blue / cyan)





## Data-flow

Engraving files and job ticket files are synchronised (rsync in intervals) from the mounted Engraving Data Server to the Linux server.

This way the load on the Data server is minimal, and you can still use the engraving data without DTC optimisation.

All DTC related processes take place on the DTC Linux server with the synchronised engraving data, that is published as an extra SMB Volume or Network Drive.

DTC generates a list of those available jobs to choose from on the iPad.

## Workflow

The Engraving operator makes a test cut and enters all variables in the DTC App on the iPad. When the operator presses the 'Export' button, DTC does its magic. The iPad displays a count-down, as the process takes a few seconds.

When done, the operator then copies the DTC-optimized-file from the mounted volume on the Linux Server to the engraver and start the engraving like normal.

## Network preconditions for the installation of DTC

- Two IP address in the range of the Engraver(s) and the Engraving Data Server (one for the DTC MacMini and one for the virtual Linux server, blue in the diagram on page 1)
- In the Firewall:
  - Internet access for the DTC MacMini
  - Port 5003 forwarded for TCP and UDP to the DTC MacMini for support and remote access of the database.
  - VPN access to DTC MacMini for remote support.
- The Airport Express and the iPad(s) are in their own separate IP range for security reasons, and the iPad's are configured to operate DTC only. (No browsing, e-mail, social media, photos etc.)