

Client Application

metadata
+ images

Request Server

$\begin{bmatrix} 0 & 0 & 0 & 9 & 0 \\ 0 & 8 & 0 & 0 & 0 \\ 4 & 0 & 0 & 2 & 0 \\ 0 & 0 & 0 & 0 & 5 \\ 0 & 0 & 2 & 0 & 0 \end{bmatrix}$



Visual Compute Module

Persistent Memory
Graph DB

TileDB

OpenCV

EXT4 Filesystem over RAID5

Client Application

OpenCV

metadata

images



PostgreSQL

OR



MySQL



Apache Web Server

EXT4 Filesystem over RAID5