

# V3D Digraph Visualizer Architecture and Design

Team: App-Synth

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# 1 Architecture

For the V3D Digraph Visualiser, the Master-slave architecture is employed. This is due to the downstream flow of information from the "master" node(V3D app on phone) to the external display ("slave" node). All control is on the V3D mobile app, therefore this will be the master node of the system. The mobile application will stream instructions to the desktop application. We do this to achieve near real time synchronization between the two displays. The slave, ie. the desktop application, will receive the instructions, decode them and update the view accordingly.

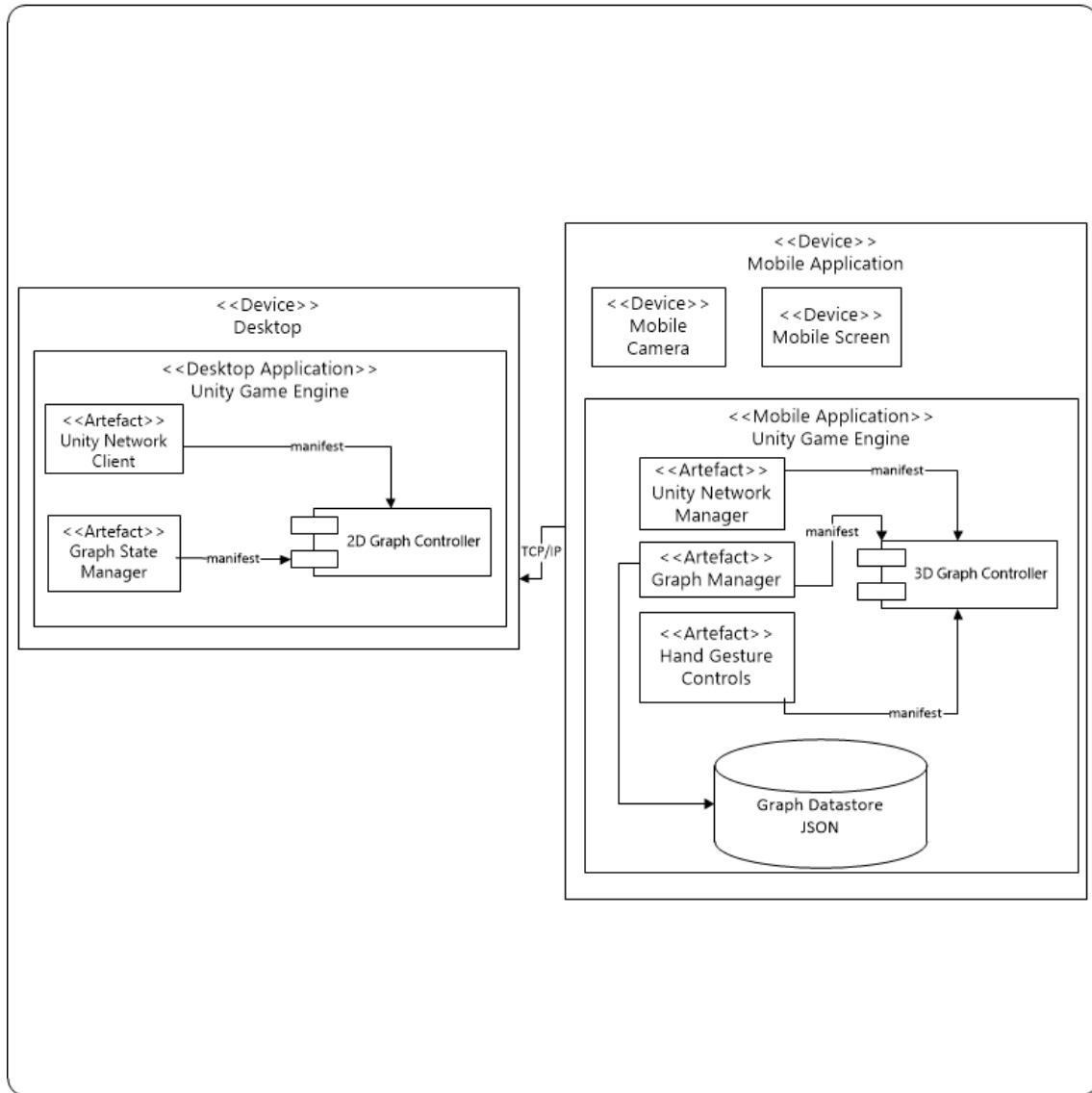


Figure 1: Deployment diagram