AF_Bus D-Bus Optimization

As an alliance, GENIVI aims to leverage Linux and other Open Source technologies. One of the tools GENIVI aims to re-use is the D-Bus Protocol, which has become a de facto IPC standard for many components to communicate with each other.

Without precluding the option of using other IPC mechanisms, GENIVI decided that D-Bus will be a part of any GENIVI system. Early tests showed that the performance of D-Bus could be improved and in response to test findings, the D-Bus optimization project was launched. The result of these efforts are approximately a 100% improvement in throughput and similar results for latency.