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Porting the Unix Kernel

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ABSTRACT

This report describes the process of porting a variant of the Unix kernel from the MIPS architecture to the Arm architecture. A heavily modified 2.11BSD version of the Unix kernel called RetroBSD is used as the basis for this development. The goal of this project is to run this ported kernel on both a simulator and on a physical embedded development board. An additional portion of this work is devoted to adapting the large-scale codebase of RetroBSD to more modern and sustainable development standards that will facilitate future ports to other platforms and architectures.

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9. Conclusion