bcScript Specification

v 0.1

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**0 Introduction  
0.1 Design Philosophy**

bcScript is an embeddable scripting language provided as a library of C++ code. Its syntax is intended to be light and intuitive, accessible to non tech users whilst still helpful to an experienced coder.

**0.2 Structure**

The library provides two main functions; the conversion of bcScript code to Bytecode, and the execution of that Bytecode. Provided as C++ code, the library is lightweight and portable. The API provides a means to load plain text script files, as well as use and create Bytecode files that eliminate compilation at runtime. The language comes with native support for the XML format, used in serialisation and data storage. Ease of use and setup are priority, meaning performance and feature set are reduced, and the language is inherently fundamental.