

Method and Apparatus for Embedding Files into a Binary Image for Runtime
Look-up and Read-only Access

ABSTRACT

5 Methods, systems, and software for efficiently creating virtual file systems including object files which contain data are described. In one aspect of the invention, a method for creating a virtual file system includes retrieving a data file from a file system. A snapshot of the data file is created and converted into an object data file. The converted object data file is linked to at least one other object file. The data file can be
10 concatenated with at least one other data file to create the snapshot. A set of assembly instructions for creating an object file from the snapshot is generated. The assembly instructions include instructions to reserve space within the object file for data contained in the data file. The assembly instructions are converted into an object file and the snapshot of the data file is copied into the reserved space.

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