HyperPascal with a persistent memory manager: why and further developments.

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HyperPascal is a visual programming language in which the program and the IDE is a hypermedia document. As with any IDE, editing a program involves adding to and adjusting a representation of the computer program. In HyperPascal the program is presented to the programmer in a graphical form. A Scope Tree Editor presents and allows editing of routines and their sub-routines. An Action Tree is used to view a routine's statements and provides links to declarations. As with all IDEs the program can be saved and loaded. Unlike other IDEs, the Hyper-Pascal program can be saved and reloaded in any state, for example in the middle of a debug run.