

YaYacc: General description

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1 Introduction

YaYacc – an abbreviation for Yet Another Yacc.

The program was created as a syntactical analyzer, which is compatible with original on algorithm analysis and perceived language with `yacc`. It generate C++ code. Resulting code can be used in multithreaded applications.

1.1 Features

Yayacc guarantees:

- Transmission of yacc descriptions into template code on C++ language;
- The work of the resulting code on the same algorithm LALR(1) as yacc;
- Object-oriented method of integration with a lexical analyzer;
- The method of integration with resulting application is encapsulated into object Parser, which gives the result of analysis;
- The possibility of using some syntactical analyzers for several different input languages in one program;
- The possibility of a parallel implementation of some syntactical analyzers the same input language without mutual interlock;
- The possibility of request destruction for objects in stack of analyzer is foresees during restoration from mistakes;

The program guarantees the possibility of embedding of generated programs in systems, with are functioning 24 × 7. The module returns the correct messages about mistakes when configuration or requirements are incorrect; and remain capable to execution other requirements. This fact confirms the reliability of program.

2 The supported platforms

1. The operational system: UNIX (Sun Solaris, Linux, FreeBSD) or Windows NT
2. The compiler for yacc: ANSI C
3. The compiler for a resulting code: ANSI C++

3 The documentation

1. The general description.
2. The guidance of system programmer.
3. The guidance of system administrator.
4. The list of version's changes.

4 The list of changes

1. 22.05.2001 - grammar correction.
2. 22.03.2001 - It was created.