

Project Overview

HALOS

VTC Senior Project

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Description

- **Operating System targeting the IA-32 platform.**

FOR MORE INFO...

www.christopherdeguise.com/seniorproject

Project Goals

- **Small/fast**
- **Non-traditional OS, bind application directly to OS.**
- **Provide a system to be used in an educational/learning environment**

Technology

- **Technology being used**
 - C programming language
 - IA-32 Assembly
- **Tools**
 - GCC (Free)
 - Nasm (Free)
 - Doxygen (Free)
 - Bochs (Free)
 - Mantis (Free)
 - Microsoft Visual SourceSafe
 - Microsoft Visio

Procedures

- **Source Control**
- **Self documenting code**
- **Using a bug tracking system**
- **Building a suite of test applications for each API class.**

Schedule

- SCRUM methodology
- Down Weeks
- Sprints

FOR MORE INFO...

www.christopherdeguise.com/seniorproject/schedule.html

www.controlchaos.com

Current Status

- **High-level overview of progress against schedule**
 - **Coding several C library functions**
 - **Continuing on the driver model design**
 - **Have found a self documenting tool**

Bottlenecks thus far

- **Building a useful kernel debugger.**
- **Still no formal Console design or Console API.**
- **No piece is stable enough to depend on.**

Q&A

