Module 6

SPIM - MIPS Assembler Workshop

Module Six

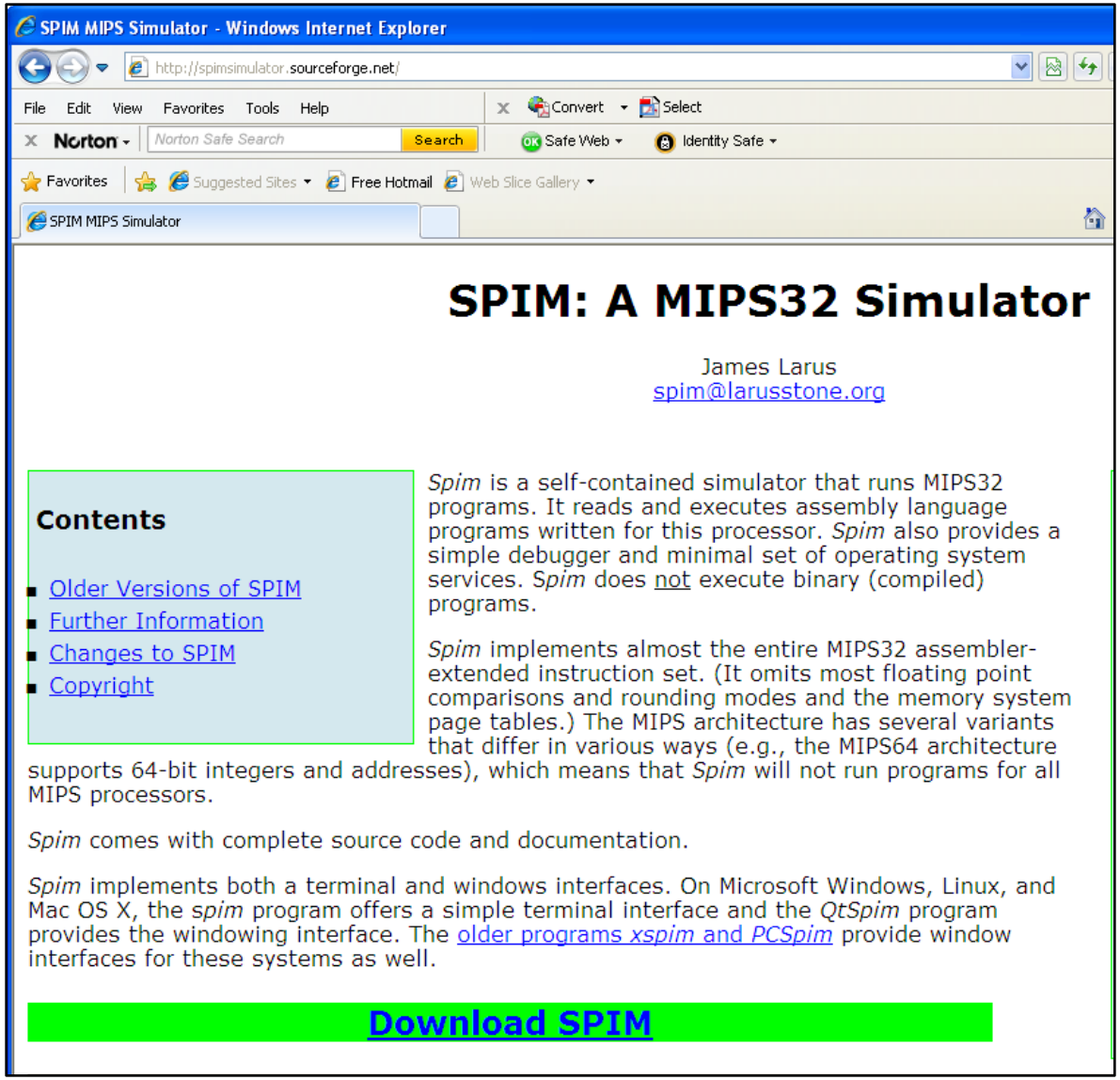
- SPIM - MIPS Assembler Workshop - Part Two
- In this presentation, we are going to talk about :
- SPIM Download and installation instructions

Overview

- Previously we talked about:
- SPIM Tutorial
- Now: SPIM Download

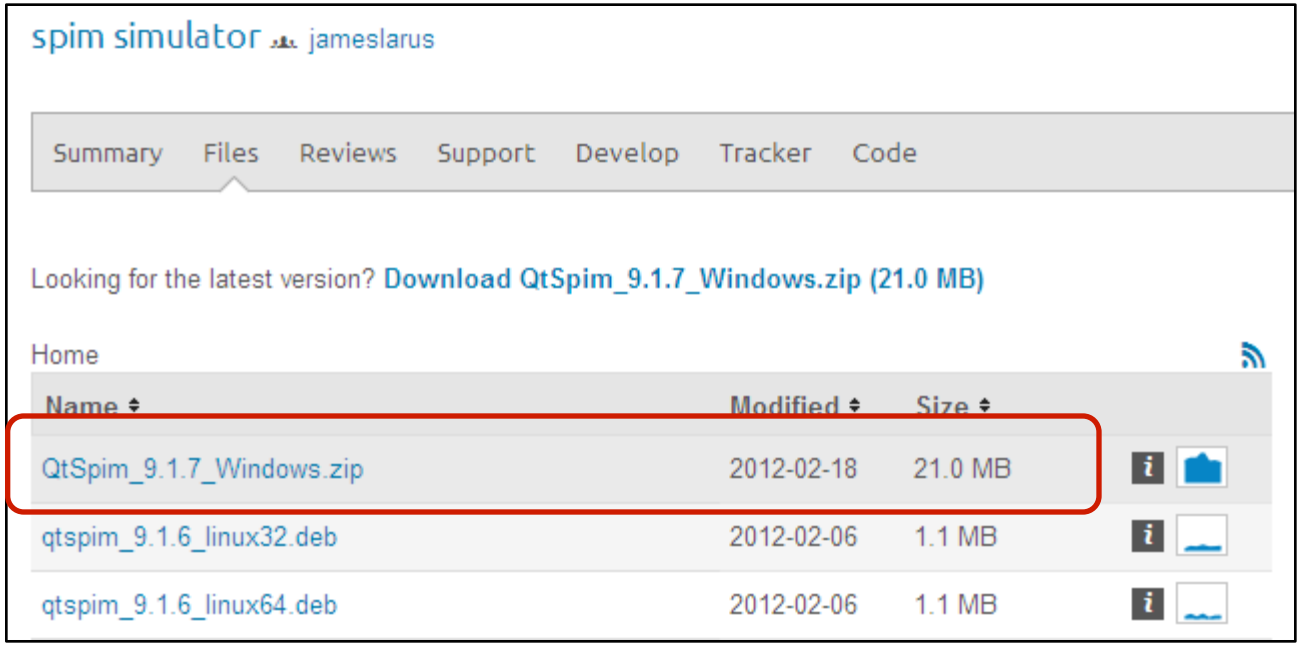
Download

- The URL link for the SPIM Assembler is:
  - http://spimsimulator.sourceforge.net/



Download

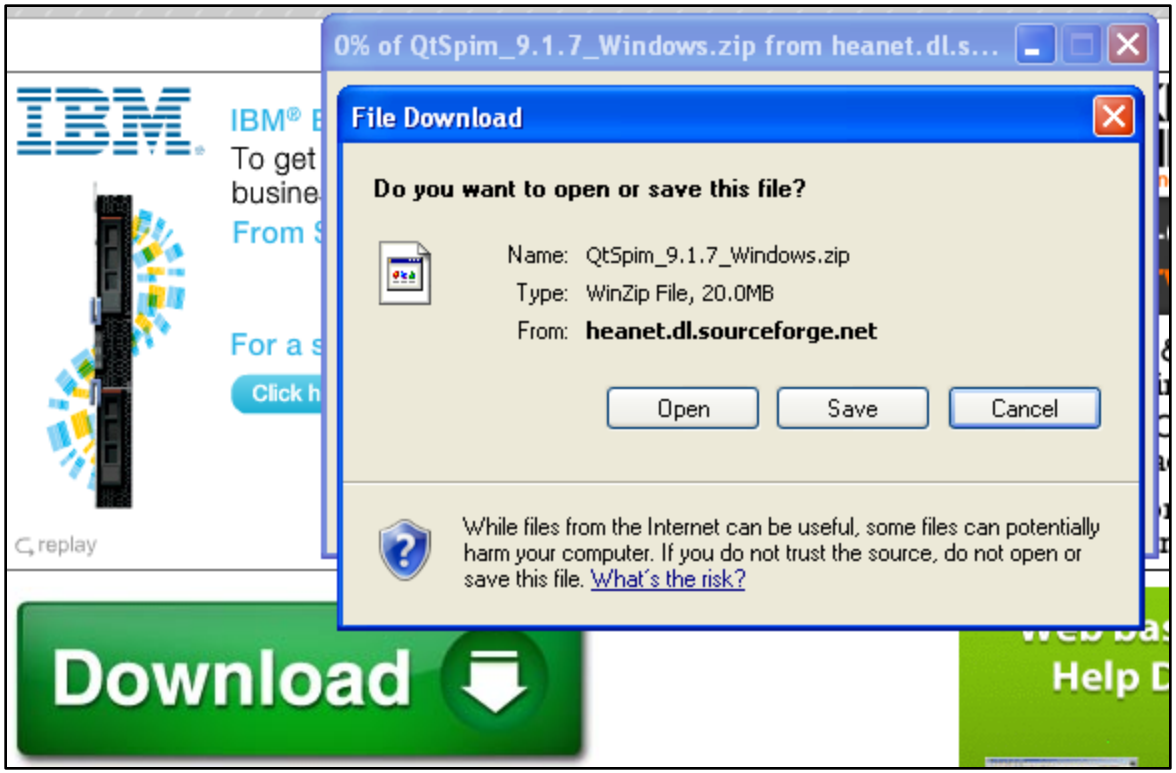
- The URL link for the SPIM Assembler is:
  - http://spimsimulator.sourceforge.net/
- The download then contains instructions and the software links:



Installation

- **Microsoft Windows**
- Download the file :

  and save it on your machine.
- Unzip the file.
- Click on the *setup.exe* program.
- Follow the prompts.



Installation

- **Unix, Linux, or Mac OS X**
- Installation is a bit more complex for a Unix or Linux system, as you need to compile the program for your particular computer and operating system.
- Download the file and follow the instructions on the web site.

SPIM Command Line Options

- All versions of SPIM (spim, xspim, and QtSpim) have command line options that control how SPIM starts running.
- The general format is:

  spim arguments file.asm program_arguments

- where
  - **spim** is the name of a particular version of SPIM,
  - **arguments** are the command line options described below,
  - **file.asm** is the name of a file containing a MIPS program, and
  - **program_arguments** are the initial arguments passed to the MIPS program

SPIM Command Line Options

- For example, to just start xspim without any arguments or an initial program,

  type **xspim**

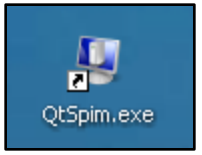
- Or, to start QtSpim with delayed branches on filetest.asm,

  type **qtspim** -delayed_branches test.asm

- The programs accept the command line options found and described in the CD in the

  SPIM Command-Line Options tutorial

- Windows version can also be run from the icon:



Summary

- SPIM - MIPS Assembler Workshop
- The QtSPIM tutorial
- Installation instructions