

# Fosdem, Beer, Curry and Pwnage and why Metasploit is written in Ruby... </troll>

Simon Lewis and Rob Shields

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## First Things First



- Beer is a *MAJOR* feature of FOSDEM
- The conference is held at ULB Campus every year
- <http://fosdem.org> (slides, videos and photos)



## The beer event #2



Figure: Simon tries to pwn an American girl in a pub

## M\$ - We are in your customer base spoofing your runtime

- Sun - *Announced they are Patrons of the FSF, Open Sourcing of Java*
- *Novell* - Talked about Mono and tools for porting Windows applications



## Other Interesting talks

- Andrew Morton - *The state of the Linux Kernel, user types*
- *Debian Package Management* - How to be more clever
- X.org - *Why Beryl/Compiz is very hard*







## Andrew Morton - The state of the Linux Kernel

- Server - infiniband, network protocols, SATA, SCSI, virtualisation, containerisation
- Desktop - hot pluggability (devices, CPU, nodes, memory), power man., DRI drivers, input, sound, 1394
- Embedded - DVB/VFL, dynamic ticks (needed by OLPC), footprint reduction, NoMMU device support
- General - instrumentation (per process I/O and memory stats), kevent, utrace (rewrite of ptrace), async syscalls, fault injection framework, kdbg possible



# Terminology

- *Exploit: A weakness in a program that allows an attacker to gain control of the process (EIP)*
- *Payload: This is what we want to be executed*



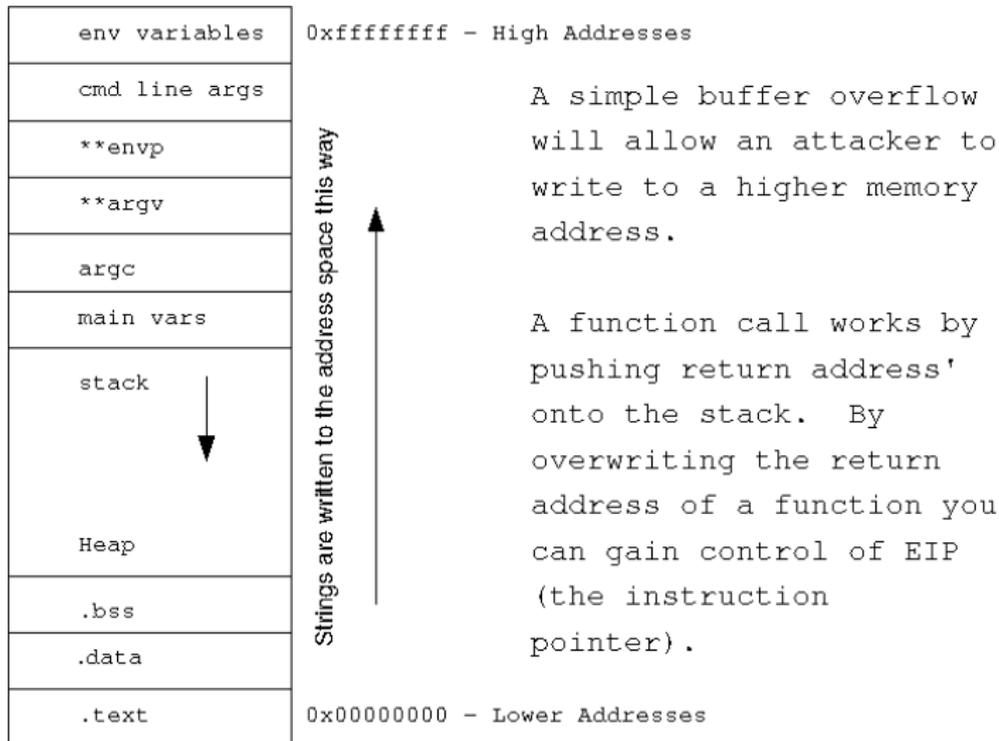
## We like to pwn it pwn it... we like to... pwn it

- A framework to separate exploits from payloads
- Benefits from the egos of FLOSS Hackers
- After a certain amount of time exploits are released.
- Point, Click and pwn





## Getting dirty with memory





# Demonstration



# Summary

- Going to conferences is fun and exciting # beer++
- Metasploit is an exploitation framework now written in Ruby # OO++
- Clarity over speed where appropriate
- Patch, patch, PATCH!



## Resources List

*Diagrams were shamelessly borrowed and adapted from the following resources:*



*Various.*

*The Shell Coders Handbook - Discovering and Exploiting Security Holes*

ISBN 0-7645-4468-3



*Saumil Shah.*

*More on Metasploit plugins - From vulnerability to exploit*  
EUSecWest - London 2007



<http://www.metasploit.com>

The main website for Metasploit

