Part I – Lab Setup Guide

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Reversing & Malware Analysis Training

This presentation is part of our **Reverse Engineering & Malware Analysis** Training program. Currently it is delivered only during our local meet for FREE of cost.

For complete details of this course, visit our Security Training page.

Who am I #1

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Course Q&A

- Keep yourself up to date with latest security news
  - http://www.securityphresh.com
- For Q&A, join our mailing list.
  - http://groups.google.com/group/securityxploded

Introduction

- This Guide is specific to our course
- Although it will cover most of the tools and techniques for an analysis environment
- Our main focus is on the famous tools

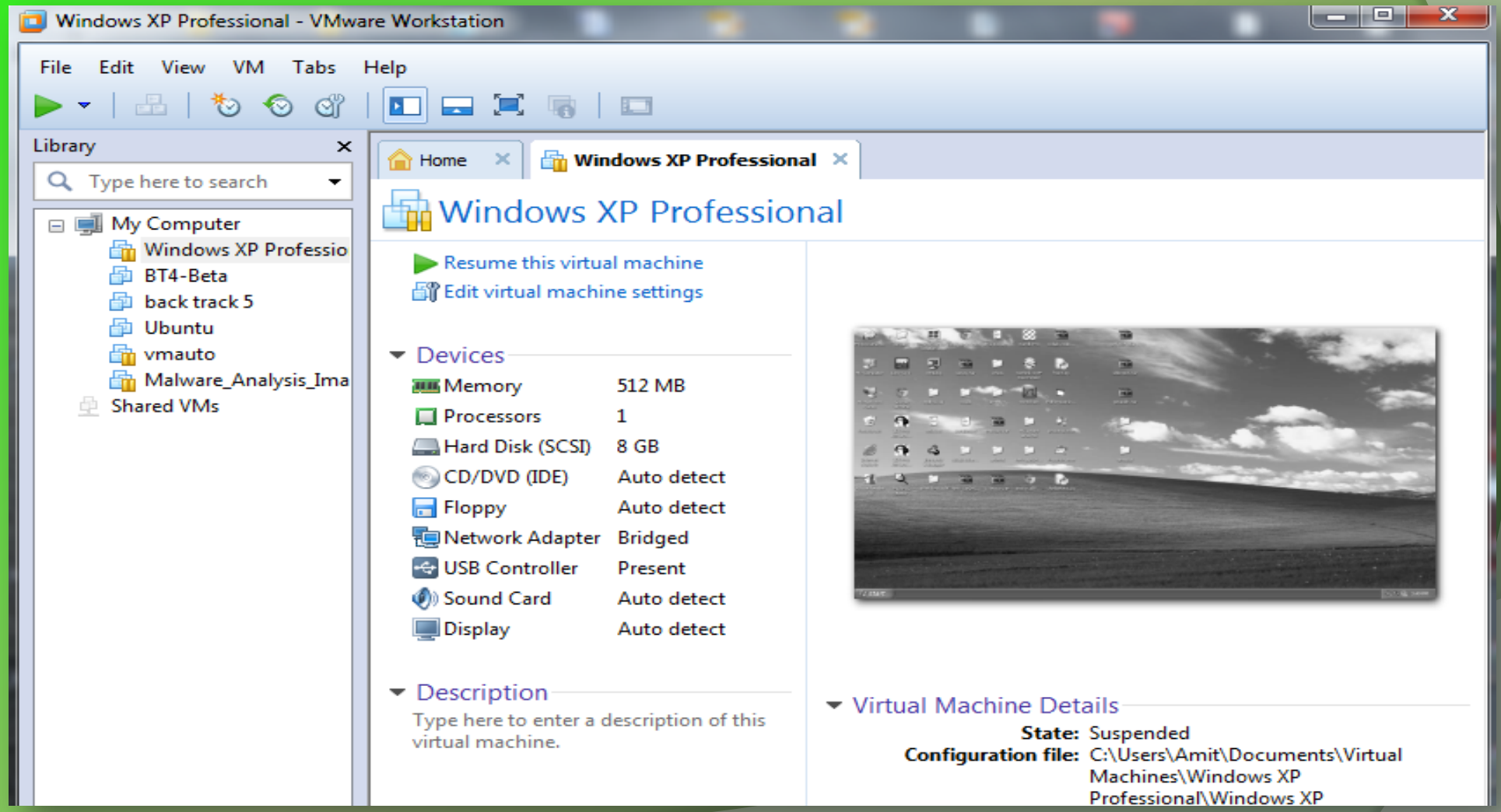
Virtualization

- Run multiple OS on the single hardware at the same time.
- Advanced functionalities like Snapshot, Revert Back, pause etc.
- Automation
- Controlled environment

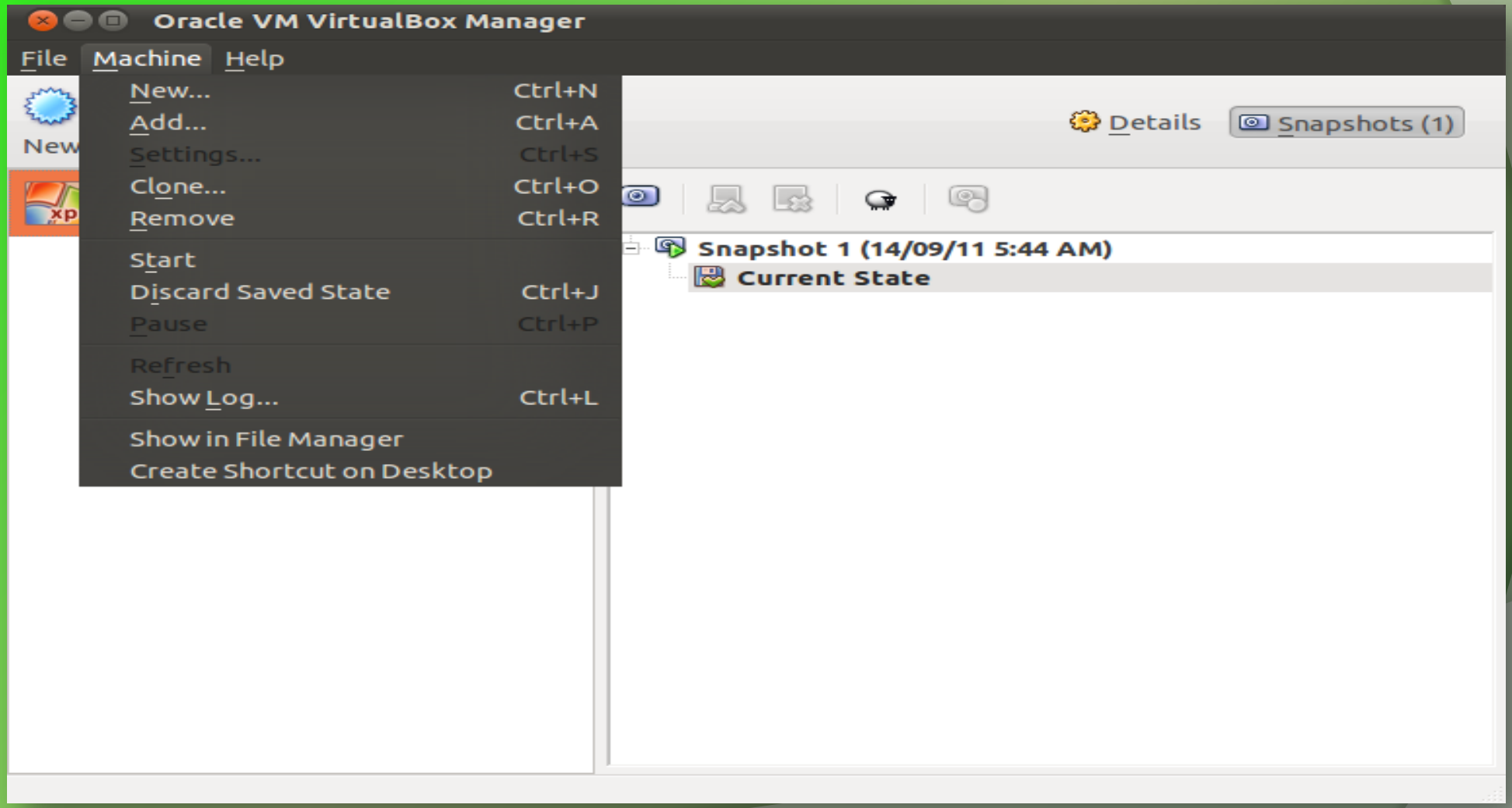
Virtualization Tools

- VmWare (Commercial)
- VirtualBox (Open Source – free)
- Images – XpSp2, XpSp3

VmWare Image



VirtualBox Image



Tools Development

- Compiler/IDE
  - Dev C++ (Free) - preferred
  - Microsoft Visual C++ (Commercial)
- Assemblers
  - MASM (Free) -preferred
  - NASM (Free)
  - Winasm (IDE) (Free)
- Interpreters
  - Python (Free)

Tools Reverse Engg.

- Disassembler:
  - IDA Pro (Download free version)
- Debuggers
  - Ollydbg
  - Immunity Debugger
  - Windbg
  - Pydbg (optional)

Tools Reverse Engg. Cont.

- PE file Format
  - PEview, PEbrowse, LordPE, ImpRec, Peid, ExeScan
- Process Related
  - ProcMon, Process explorer
- Network Related
  - Wireshark, TcpDump, Tshark, TCPView
- File, Registry Related
  - Regshot, filemon, InstallwatchPro, CaptureBat

Tools Reverse Engg. Cont.

- Misc.
  - CFFExplorer, Notepad++, Dependency Walker, Sysinternal tools
- If something additional is required then we will cover that in the respective lecture

Reference

- Complete Reference Guide for Reversing & Malware Analysis Training

Thank You !

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