

8.45 - 9.30

### Registration

Tea, coffee and soft drinks will be provided.

9.30

### Introduction

Jon Melamut, VP Product and Sales, OEM Services, Canonical

9.45

### Keynote

**Ubuntu and You** – Matt Zimmerman, CTO, Canonical

Matt Zimmerman delivers his first ever keynote in Taipei with the vision of Ubuntu for the next 2-3 years. The keynote will include the state of play today for Operating Systems and tipping points where the Ubuntu and Linux momentum gathered pace. Matt will exclusively showcase new product offerings aimed at the ODM and OEM market, further outline key messages on why to use Ubuntu and will set the scene for the topics presented during the rest of the day.

10.30 - 11.15

### Session 1

**i) State of Multitouch** – Chase Douglas

An overview of multitouch gesture support in Ubuntu, covering kernel drivers, the X input stack, and applications. A demonstration of Ubuntu multitouch support will also be provided.

**ii) Secret Diaries of Suspend/Resume Debugging** – Lee Jones

A general look at the debugging process of Linux Kernel Suspend/Resume errors. Particular attention will be made to a specific bug which caused weeks of pain within Canonical.

**iii) Kernel Compatibility Testing and Kernel Code Coverage** – Manoj Iyer

The presentation is about a tool that tests various OS functions that the kernel supports such as Audio. Further to this there will be a section on code coverage analysis, introducing a tool to identify what parts of the kernel get executed when you run any test. The tool is open source and available at [ltp.sf.net](http://ltp.sf.net) website.

11.15 - 11.30

### Break

11.30 - 12.15

### Session 2

**i) The Kernel Bug Process and Kernel Testing ISOs** – Jeremy Foshee

This will be a brief overview of the bug flow process as well as an overview of working with the ODM/OEM to ensure the bugs are private to address issues encountered during enablement. There will also be a brief introduction to the testing ISO images.

**ii) Ubuntu Kernel and its release cycle** – Ike Panhc

How to select a kernel version for the next release, packaging with Ubuntu deltas and how to maintain the kernel after releasing.

**iii) Ubuntu Client Roadmap** – Pete Goodall

What next over the next 12-18 months for Ubuntu.

12.15 - 1.00

### Session 3

**i) Dual boot systems (Windows & Linux)** – Michael Frey

A talk about how Ubuntu can be included as a dual boot option with Windows. A discussion technically on how this is done without BIOS modification.

**ii) Firmware Test Suite** – Colin King

Overview of the Firmware Test Suite, an automated BIOS and ACPI testing tool. The tool can test and diagnose common and subtle firmware issues that cause Linux problems.

**iii) Ubuntu roadmap for server-side systems – Nick Barcet**

Ubuntu Server in the cloud, as the thin OS that serves your virtual instances bring the tools that you need from a trusted source, or Ubuntu Server as the cloud IaaS tool allow you to quickly respond to your infrastructure challenges. This session will explain why we believe Ubuntu is the future of the cloud and cloud computing the future of computing. The presentation will also include updating Ubuntu Netbook Edition from 10.04 to 10.10 and will include information on Unity, the Utouch gesture suite that will make its first appearance in 10.10.

1.00 - 2.00

**Lunch**

2.00 - 2.45

**Session 4**

**i) Ubuntu Kernel Team – Pete Graner**

This talk will introduce the Ubuntu Kernel Team. Topics discussed are how the team communicates, policies, procedures, and how to join in the development discussion for the Ubuntu Kernel.

**ii) What does PulseAudio expect from a sound driver? – David Henningson**

Talks about what hardware and drivers must support, for PulseAudio to work in the best way. An explanation of PulseAudio's timer-scheduling mode and its mixer, and what sound drivers, BIOS and hardware must support for these features to work.

**iii) QA Process and Tools – Ethan Chang**

Overview to familiarize OEM/ODMs with the QA process within OEM Services. To introduce QA bug management and how to use checkbox tool to test.

2.45 - 3.30

**Session 5**

**i) Debugging Linux Kernel by Ftrace – Acelan Kao**

Describes how to use Ftrace to observe kernel behaviour and how to use it to debug and evaluate the performance of the kernel.

**ii) Recommended method for factory installations of Ubuntu – Steve Magoun**

A presentation on the different ways we work with you in the factory.

3.30 - 3.45

**Break**

3.45 - 4.30

**Session 6**

**i) Tips to get BIOS working well with Linux – Colin King**

An explanation of issues to avoid and good practice to follow with BIOS and ACPI to ensure firmware works well with Linux first time.

**ii) Ubuntu Compatible Component and Ubuntu Ready Certification – Jeffrey Lane**

The Ubuntu Compatible Component Catalog allows hardware manufacturers and vendors to view and search a list of components known to work with Ubuntu. This makes building a system that can be certified on Ubuntu much simpler. The Ubuntu Ready tool is a new tool to help OEMs and ODMs test their systems with Ubuntu. Everything is self-contained so no connection to the Internet is required, and all required files are available within the image.

4.30

**Closing Remarks**

Jon Melamut, VP Product and Sales, OEM Services, Canonical

4.45

**Ubuntu Hardware Summit 2010 Finish**