

# Embedded Linux SIG

## Introduction

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**The Tested Group**

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# Welcome!

- ? Anyone interested in things Embedded- such as PDAs, phones, MP3-players, DVD-players, digital cameras, routers, firewalls, servers, watches, computers, and of course Embedded Linux!
- ? We're here to promote the Embedded Linux Industry by providing a place to meet and discuss ideas about Embedded Linux.

# So who is this guy anyway?

- ? Daniel Ng
- ? danielng@testedgroup.com
- ? Product Development Engineer
  - With The Tested Group since the start of this year
- ? Previously:
  - 2.5 years with Nortel Networks as a Data Network Engineer
    - ? Decided I wanted to make Products instead of Networks
  - Many of my examples have a Data Networking spin

# What's Happening Tonight?

## ? **Introduction**

- What's Embedded Linux?

## ? **State of the Embedded Linux Industry**

- Russell Porteous, The Tested Group

## ? **Application Demo- IPCop**

- Guy Ellis, Traverse Technologies

## ? **Break**

- Talk to someone you don't know!

## ? **Overview of Embedded Linux Distributions**

- Me again. 8pm-8.15pm. Stick around for a chat!

# A Bit of Background

- ? 'Embedded Linux'
  - 1993- The phrase was first used in a Usenet group
  - 1999- Explosion of Marketing Hype
    - ? Lots of confusing terms to do with 'Linux'.

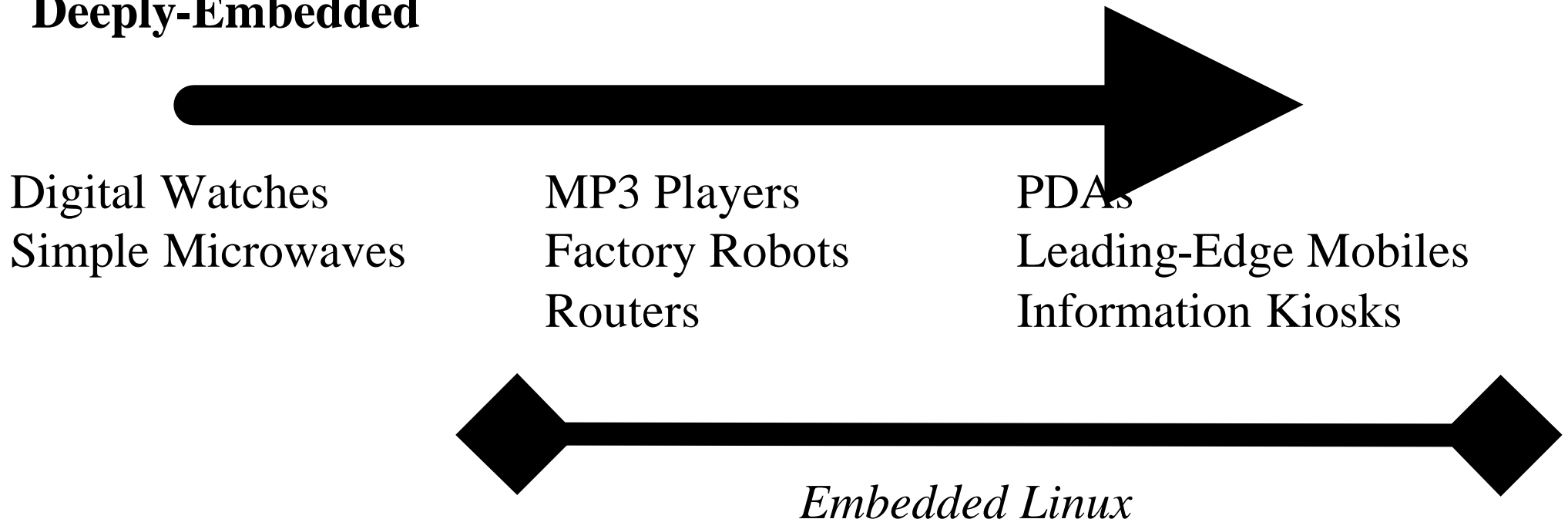
# Embedded Who?

- ? Embedded Linux is a general term for **any configuration** of Linux that runs on an **Embedded Platform**
- ? Formal Specification
  - A Software API Spec is being developed by the Embedded Linux Consortium
  - [www.embedded-linux.org](http://www.embedded-linux.org)

# So what's an “Embedded Platform”?

- ? Combination of Software and Hardware built for a Specific Purpose:

## Deeply-Embedded



# *Any Configuration of Linux?*

- ? *“Linux has the requisite DNA and development model to truly scale from embedded to enterprise as a single platform”*
  - *Red Hat Chief Technology Officer, Michael Tiemann*
  - *May 22, 2002*
  - *[linuxdevices.com/articles/AT7248149889.html](http://linuxdevices.com/articles/AT7248149889.html)*
- ? *All Distributions of Embedded Linux are based on the Linux Kernel (most current ones use 2.4.x)*

# Brief Discussion

- ? Do you agree?
- ? What is your definition of 'Embedded Linux'?
- ? Any questions?