



November 1<sup>st</sup> 2020  
14:00 UTC

## Conference Introduction

**Start:** 14:00 **End:** 14:15

**Description:** A brief introduction of how the conference will proceed.

## Everything about embedding static data in UNIX binaries

**Presenter:** mort

**Start:** 14:15 **End:** 14:35

**Description:** Our programs contain all sorts of static data; text strings like usage information, HTML templates, graphics shader programs, etc. We will take a deep dive into how, exactly, this works on UNIX, and the ways in which you can embed static data into your own programs.

## Introduction to diskless boot

**Presenter:** freem

**Start:** 14:35 **End:** 14:55

**Description:** PXE is Preboot eXecution Environment, how computers can boot without having any OS on local storage.

## Break

**Start:** 14:55 **End:** 15:00

## What does it take to resolve a hostname

**Presenter:** venam

**Start:** 15:00 **End:** 15:20

**Description:** Resolving hostnames (DNS?) might not seem like it, but it's complicated. Let's take a moment to see if we can at least demystify what happens on the client side instead of seeing it as a big tangled mess of configurations, libraries, and tools.

## How I try really hard to only read.emails

**Presenter:** z3bra

**Start:** 15:20 **End:** 15:35

**Description:** My email setup got somewhat complicated over the years, to adapt to the clusterfuck that "modern" emails are today. I read my emails in mutt(1), and I want all of them to display nicely in a terminal. For that, I process emails (mostly HTML ones) to display them nicely, reflow them to the terminal width, extract links, optionally shorten them (using a local URL shortner), and so on. It doesn't look like much, but there are multiple stuff involved like URL shortening, find(1), mblaze(1), ...

## Conference Ending Words

**Start:** 15:35 **End:** 15:40

**Description:** Thanks and after-conf hang out.