OpenIndiana Announcement

September 14th 2010

What is OpenIndiana?

What is OpenIndiana?

- A new operating system

- A continuation of OpenSolaris

- Built by the community

- Aims to be binary and package compatible with Solaris 11 & Solaris 11 Express

- Should be a free drop in replacement!

Organisation

- OpenIndiana is entirely community based

- Part of the Illumos Foundation legal entity

- Currently 20 or so OpenIndiana core core contributors from all over the world

- Sponsorship (servers & hosting) currently provided by EveryCity Managed Hosting

Project Goals

- To be 100% Free & 100% Open Source

- To provide regular development builds

- To provide a stable branch with bug fixes

- Binary & Package compatibility

- To be the de-facto opensolaris distribution!

Current Status

- Our first development build, oi_147 is now available! Hooray!

- Based on OpenSolaris build 147

- Available via our IPS package server

- Also available as a downloadable ISO Image

- Highly experimental - has lots of bugs!

Current Status

- Constructed from the components Sun/ Oracle have made available

- Most of this is open, but some bits closed (eg devpro/libm)

- Some bits old/out of date or do not build

- For these, we have have included the last binary release (snv_134)

- Will replace these over time

Is OpenIndiana a fork?

- More of a spork! (Thanks El Reg)

- Oracle still develop most of Solaris in the open - we use those bits

- We're replacing the bits we don't have

- And we'll be extending and enhancing :-)

Relationship to Illumos

- Oracle has turned off the tap for the kernel + core userland (OS/Net aka ONNV)

- Illumos is a fork of this

- Illumos aims to keep it up to date, and replace all closed code in OS/Net

- Under heavy development - lots of work being done.

Relationship to Illumos

- Our first build does not yet use Illumos

- However we will provide the latest Illumos build via an optional IPS repo for people to test and use within the next few days

- Very soon we will switch to using Illumos completely

Relationship to Illumos

- OpenIndiana is part of the Illumos Foundation

- This will be a non-profit legal entity for projects related to OpenSolaris and Illumos

- As a community we are stronger together than standing alone

Why OpenIndiana?

- Solaris 10 for a long time was made available free for production use

- This included security updates (but not bug fixes or support)

- Lots of people started using it

Why OpenIndiana?

- OpenSolaris was also available free of charge

- No regular security updates, but you kind of got this from the latest /dev build

- Affordable support contracts were available

Why OpenIndiana?

- When times got tight, Sun discontinued free security patches for Solaris 10

- Then soon after Oracle bought Sun, /dev updates stopped to OpenSolaris

- Oh dear - what's going on here?

Why OpenIndiana

- Oracle then changed Solaris 10 license - no longer free for use in production

- Then they cancelled OpenSolaris in favor of Solaris 11 Express

- The new Solaris support contracts are also rather expensive.

Why OpenIndiana

- So, what if you want to run Solaris in production?

- You have to either pay Oracle...

- ... or use OpenIndiana! Hurrah! :-)

Known Issues!

- Our first release is a bit messy

- We set a release date, and we've stuck to it

- There will be bugs. We don't even know what they are yet!

- So keep an old boot environment around after upgrading :-)

Anything missing?

- xVM Xen Hypervisor (dom0 support)

- Linux branded zones

- When we switch to Illumos some crypto & locales may disappear

Can Oracle shut you down?

- Nope. The source is already out there.

- If Oracle close more source gates, we will continue the development separately.

Questions?

- After the questions we'll provide details on how to download our latest release

- For now, we've got 10 minutes of questions from the audience

Downloads & Upgrading

- You can either upgrade your OpenSolaris host via IPS, or install from scratch

- http://openindiana.org/download/