What the hell is SHR?

- **Stable Hybrid Release**
- Community driven GNU/Linux distribution
- Using OpenEmbedded (OE) build framework
- Based on freesmartphone.org telephony stack
- Most popular distribution on OpenMoko

Agenda

- Status: What have we done?
- Development: What’s going on?
- Community: How does it work together?
Status: What do we have?

- What changed?
- Building SHR
- Under the hood
- User Interface
- Apps from community
What changed?

<table>
<thead>
<tr>
<th>OE Overlay</th>
<th>OE Branch</th>
<th>OE.dev</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Sandbox</td>
<td>✓ Sandbox</td>
<td>✓ Getting OE patches</td>
</tr>
<tr>
<td>✓ Getting FSO patches</td>
<td>✓ Easier</td>
<td>✓ Easier</td>
</tr>
<tr>
<td></td>
<td>✓ Drifting away from OE</td>
<td>✓ Getting OE bugs</td>
</tr>
<tr>
<td></td>
<td>✓ No OE patches</td>
<td>✓ Being responsible for OE bugs</td>
</tr>
<tr>
<td></td>
<td>✓ Complicated</td>
<td></td>
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</tbody>
</table>

- Bunch of patches
- Don't apply for sure
- Complicated
Building SHR

- Makefile¹ for easy setup
  - Sets up complete OE environment
  - Builds everything needed automatically

- local-builds.inc: Easy way for package tests

```
SRC_URI_pn-elementary = "file:///home/thomas/SHR/git/${PN}"  
SRCREV_pn-elementary = "44424+LOCAL"  
S_pn-elementary = "${WORKDIR}/${PN}"  
```

- preferred-shr-versions.inc:  
  Pin older versions when needed

Under the hood

UI Functionalities: Views
- shr-dialer
- libphone-ui-shr
- libphone-ui
- phoneuid

Method calls

Phonefsod
- Manage frameworkd events

Core Functionalities: Model
- libframeworkd-glib
- dbus / dbus-glib
- frameworkd

Displays

- Model
  - C-Wrapped dbus calls in central lib
- Views
  - Calls the Model for user-initiated actions
- Phonefsod
  - Listens to Model events
  - Launches UI according to event
User Interface

- Xorg xserver 1.7.4
- E17: Illume
- Fast theme from community
User Interface (2)

Libphone-ui-shr:

- Main UI library
- Provides:
  - Welcome Screen
  - Dialer
  - Contacts
  - Messages
Apps from Community

- tangoGPS
- emtooth
- ventura
- pisi

And much more...
Development: What's going on?

- Rewrite of libphone-ui-shr
- Port SHR to more devices
- Future plans
Rewrite of libphone-ui-shr

- Improve contacts editing
- Unify contacts editing and showing
- UI caching for contacts and messages
- Listen to change signals
Port SHR to more devices

Requirements:
- Linux kernel
- Custom image
- FSO support
Future Plans

- Faster kernel (nodebug)
- More Cornucopia (FSO 2)
- Bluetooth integration in phoneuid
- Shr-dates
- Support other UI toolkits
- World domination
Community: How does it work together?

- Ways of communication
- Events
Ways of communication

- IRC: #openmoko-cdevel
  @ freenode
- Mailing-lists:
  - Shr-user
  - Shr-devel
- Trac
Events

- Logo contest (closed)
- Theme contest (running)
- Trac redesign (running)
- Phone UI redesign (running)
- FSOSHRCON 2010 (planning)
Q & A