

The background features a stylized, light gray silhouette of a suspension bridge on the left and a city skyline on the right, set against a dark blue gradient background. The Tizen logo is prominently displayed in the upper left, with the word 'TIZEN' in a bold, white, sans-serif font. The letter 'Z' is highlighted with a blue diagonal stripe. To the right of the logo, the text 'DEVELOPER CONFERENCE MAY 7-9, 2012' is written in a smaller, white, sans-serif font.

TIZEN™ DEVELOPER CONFERENCE MAY 7-9, 2012

Next Generation OS Initialization

Auke Kok – Intel OTC

Remember last year?



Systemd for MeeGo

Auke Kok, Intel OTC

Recap – What & Why?

- Systemd
- Massively parallel startup without shell scripts
- Socket activation
- Scalable

But...

Target

- On single-user devices we can start user applications that do not need Xorg to run *before* Xorg starts:
 - Msyncd
 - Tracker
 - User/session dbus daemon
 - Etc...



But...

Systemd --user

- We're not gated by a login manager!
- The user session starts earlier than Xorg
- Before, only dbus session bus/pam/CK started earlier
- After, a whole slew of daemons start as early as we can for the user session: At boot time!



What follows:

- The system domain makes up about 30% of startup
- The user domain makes up about 70% of startup

=>

We can not ignore the user start up sequence

The XOrg problem

- Run as part of the services, not separate
- Restartable
- Service wrapper
- Can be used as dependency for X11 applications

... Solved !

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