Debian Accessibility Blend
Accessibility made easy using pure Debian

*Andreas Tille*

*LSM*

Bordeaux, July 7, 2010
Overview

1. Debian Pure Blends for accessibility
2. Demonstration of Blends tools
3. Future
Term Custom Debian Distributions was always misunderstood

Main misunderstanding: CDD was regarded as “something else than Debian” even if people were told that it is a concept inside Debian explicitly.

Dropped the misleading name in favour of a name where you just have to read the docs

Debian Pure Blend (in short Blend): a subset of Debian that is configured to support a particular target group out-of-the-box.
Term Custom Debian Distributions was always misunderstood

Main misunderstanding: CDD was regarded as “something else than Debian” even if people were told that it is a concept inside Debian explicitly

Dropped the misleading name in favour of a name where you just have to read the docs

**Debian Pure Blend (in short Blend)**: a subset of Debian that is configured to support a particular target group out-of-the-box.
Term Custom Debian Distributions was always misunderstood
Main misunderstanding: CDD was regarded as “something else than Debian” even if people were told that it is a concept *inside* Debian explicitly
Dropped the misleading name in favour of a name where you just have to read the docs

**Debian Pure Blend (in short Blend):** a subset of Debian that is configured to support a particular target group out-of-the-box.
术语Custom Debian Distributions一直被误解。
主要误解：CDD被视为“除了Debian外的其他东西”，即使人们被告知它是一个概念inside Debian。明确地。

去掉了误导性的名称，取而代之的是一个你只需要阅读文档的名称。

**Debian Pure Blend (in short Blend)**: 是Debian的一子集，出厂前就配置好了，以支持特定的目标受众。
Accessibility support in Debian

- **Debian Accessibility project** = Debian for blind and visually impaired people
- **Special care for**
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

Debian Accessibility project = Debian for blind and visually impaired people

Special care for

- Screen readers
- Screen magnification programs
- Software speech synthesisers
- Speech recognition software
- Scanner drivers and OCR software
- Specialised software like edbrowse (web-browse in the spirit of line-editors)

- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)

- Making text-mode interfaces available
- Providing screen reader functionality during installation
Accessibility support in Debian

- Debian Accessibility project = Debian for blind and visually impaired people
- Special care for
  - Screen readers
  - Screen magnification programs
  - Software speech synthesisers
  - Speech recognition software
  - Scanner drivers and OCR software
  - Specialised software like edbrowse (web-browse in the spirit of line-editors)
- Making text-mode interfaces available
- Providing screen reader functionality during installation
Other Blends

- Debian Jr
  - Debian Med
  - Debian Edu
  - Debian Science
  - Debian EzGo, BrDesktop
  - Debian GIS, DebiChem
  - Debian Lex
  - Debian Multimedia?
  - ...

Andreas Tille (LSM)
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?
-...

Andreas Tille (LSM)
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
  - Debian Science
  - Debian EzGo, BrDesktop
  - Debian GIS, DebiChem
  - Debian Lex
- Debian Multimedia?
  - ...
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
  - Debian EzGo, BrDesktop
  - Debian GIS, DebiChem
  - Debian Lex
- Debian Multimedia?
- ...
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?
- ...
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?
- ...

Andreas Tille (LSM) Debian Accessibility Blend Bordeaux, July 7, 2010
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?
- ...
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?
Other Blends

- Debian Jr
- Debian Med
- Debian Edu
- Debian Science
- Debian EzGo, BrDesktop
- Debian GIS, DebiChem
- Debian Lex
- Debian Multimedia?

...
Basic goal of Blends

- Debian > 29,000 packages
- Users interested in subset
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead.
Basic goal of Blends

- Debian > 29,000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead.
Basic goal of Blends

- Debian > 29.000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

*Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead*
Basic goal of Blends

- Debian > 29,000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

*Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead.*
Basic goal of Blends

- Debian > 29,000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

**Basic idea:** Do not make a separate distribution but make Debian fit for special purpose instead
Basic goal of Blends

- Debian > 29.000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead
Basic goal of Blends

- Debian > 29.000 packages
- Users interested in *subset*
- Groups of specialised users
- Easy installation and configuration
- While Debian stays general support specialists as well
- **No derivative** from Debian

*Basic idea: Do not make a separate distribution but make Debian fit for special purpose instead*
Attracting Users

- Easy overview about accessibility related software in Debian
- i18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers

- Simple way to categorise packages (tasks files)
- Key documentation feature
- QA pages (Bugs of relevant packages)
Using Blends techniques in Debian Accessibility

Attracting Users

- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers

- Simple way to categorise packages
- Key documentation feature
- QA pages (Bugs of relevant packages)
Using Blends techniques in Debian Accessibility

Attracting Users

- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers

- Simple way to categorise packages ("tasks files")
- Key documentation feature
- QA pages (Bugs of relevant packages)
- Andreas Tille (LSM)
Using Blends techniques in Debian Accessibility

Attracting Users

- Easy overview about accessibility related software in Debian
- i18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers

- Simple way to categorize packages ("tasks files")
- Key documentation feature
- QA pages: Bugs of relevant packages
Using Blends techniques in Debian Accessibility

Attracting Users

- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers

- Simple way to categorise packages ("tasks files")
- Key documentation feature
- QA pages: Bugs of relevant packages
Using Blends techniques in Debian Accessibility

Attracting Users
- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers
- Simple way to categorise packages (“tasks files”)
- Key documentation feature
- QA pages (Bugs of relevant packages)
Using Blends techniques in Debian Accessibility

Attracting Users
- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers
- Simple way to categorise packages ("tasks files")
  - Key documentation feature
  - QA pages (Bugs of relevant packages)
Using Blends techniques in Debian Accessibility

Attracting Users
- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

Attracting developers
- Simple way to categorise packages (“tasks files”)
- Key documentation feature
  - QA pages (Bugs of relevant packages)
Using Blends techniques in Debian Accessibility

### Attracting Users
- Easy overview about accessibility related software in Debian
- I18n-ed web pages displaying relevant packages
- Promoting software that fully supports all needs of disabled people
- Focus more people on accessibility topic

### Attracting developers
- Simple way to categorise packages (“tasks files”)
- Key documentation feature
- QA pages (Bugs of relevant packages)
List activity on Debian Accessibility mailing list

- Samuel.Thibault
- Mario.Lang
- Jason.White
- Kenny.Hitt
- Veli.Pekka.Tatila
- Sebastian.Dellit
- Frans.Pop
- Andor.Demarteau
- Simon.Bienlein
- Cyril.Brulebois

Andreas Tille (LSM)
Releasing accessibility metapackages using \textit{blends-dev}?

- Need to relay on experiences of disabled people
- Probably no single solution for everybody
- Seek for smallest common denominator
- Advantage: Giving the project some structure
Releasing accessibility metapackages using `blends-dev`?

- Need to rely on experiences of disabled people
- Probably no single solution for everybody
- Seek for smallest common denominator
- Advantage: Giving the project some structure
Releasing accessibility metapackages using
blends-dev?

- Need to relay on experiences of disabled people
- Probably no single solution for everybody
- Seek for smallest common denominator
- Advantage: Giving the project some structure
Releasing accessibility metapackages using *blends-dev*?

- Need to relay on experiences of disabled people
- Probably no single solution for everybody
- Seek for smallest common denominator
- Advantage: Giving the project some structure
Raising popularity of Debian Accessibility

- Using the Blends framework might enhance visibility of Debian Accessibility
- Do not underestimate the effect of a Debian release announcement mentioning explicitly accessibility features
Using the Blends framework might enhance visibility of Debian Accessibility

Do not underestimate the effect of a Debian release announcement mentioning explicitly accessibility features
This talk is available at

http://people.debian.org/~tille/talks/

Andreas Tille <tille@debian.org>