

INTERNATIONALIZATION

The DNN Ecosystem and Internationalization

Donker, Peter
Founder/Owner Bring2mind
La Vue-des-Alpes, NE, Switzerland



Agenda

- Localization
 - Static Localization
 - Content Localization
- DNN's Internationalization Team

Localization



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- What is the Professional Edition?
- What is the Community Edition?
- What is Snowcovered?

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Language Packs

- A zip file with a bunch of resx files with a manifest
- Resx files contain the text values in an XML format
- Either a pack for the core or a pack for a specific “package”
- Installs like any other extension of DNN
- All that the installer does is to extract the files to their proper places and register the package
- Uploading a core language pack will automatically activate that language in your portal (feature or bug ... who knows)
- A single pack has 3 “dimensions”: Component, Version and Locale

Core vs Full Pack

- Concern the packs for the DNN Core
- “Full” packs are legacy but still quite common
- The changes in DNN 4 and 5 have severely complicated language pack distribution
- We (DNN Internationalization Team) are still working to solve this

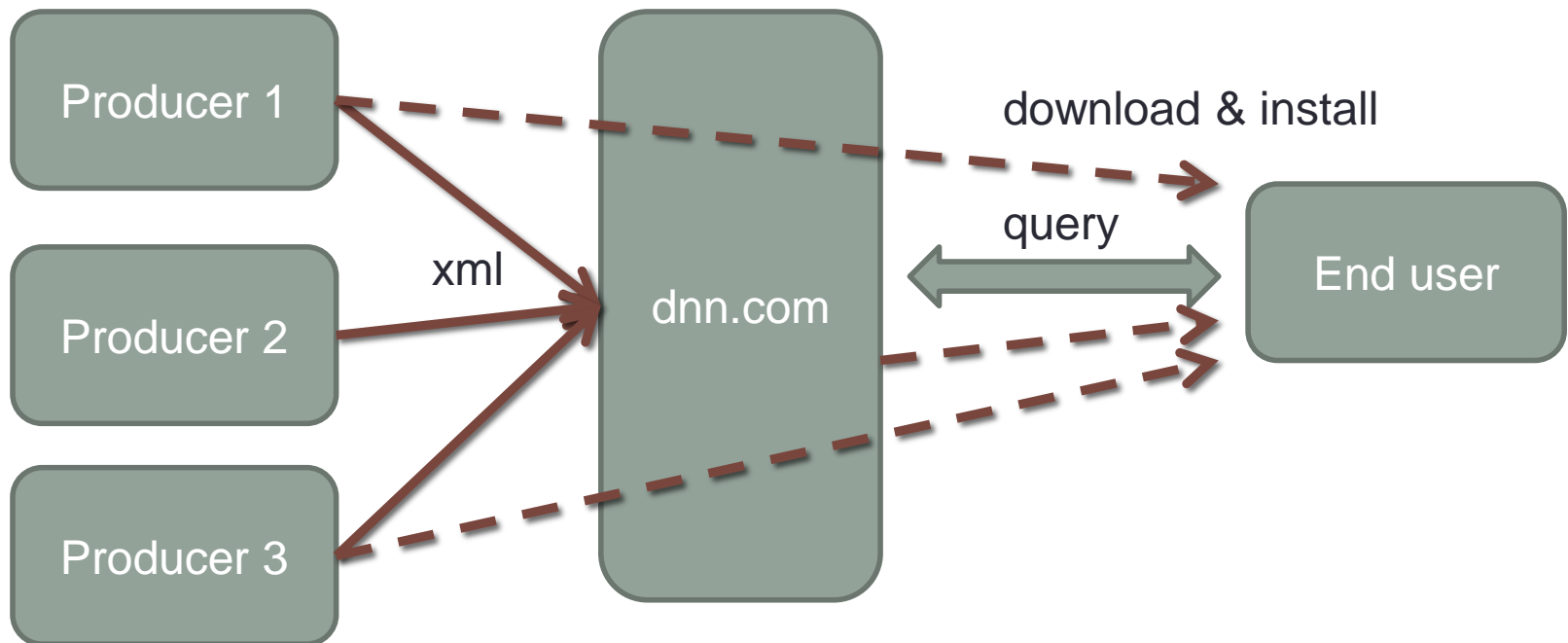
Language Pack Production Issues

- We need (a) good quality and (b) timely language packs for all major languages
- We need packs for both the core and modules ... including 3rd party modules
- The emergence of DNN PE raises the question if it should still be a community driven effort
- It is impossible to protect a pack so they are often “free” – and perceived as such

Language Pack Distribution

- The installation of the correct language packs needs to be simplified for the end user
- The producers of language packs need to get better attribution/access to end users
- Updates to language packs must be as simple a process as possible

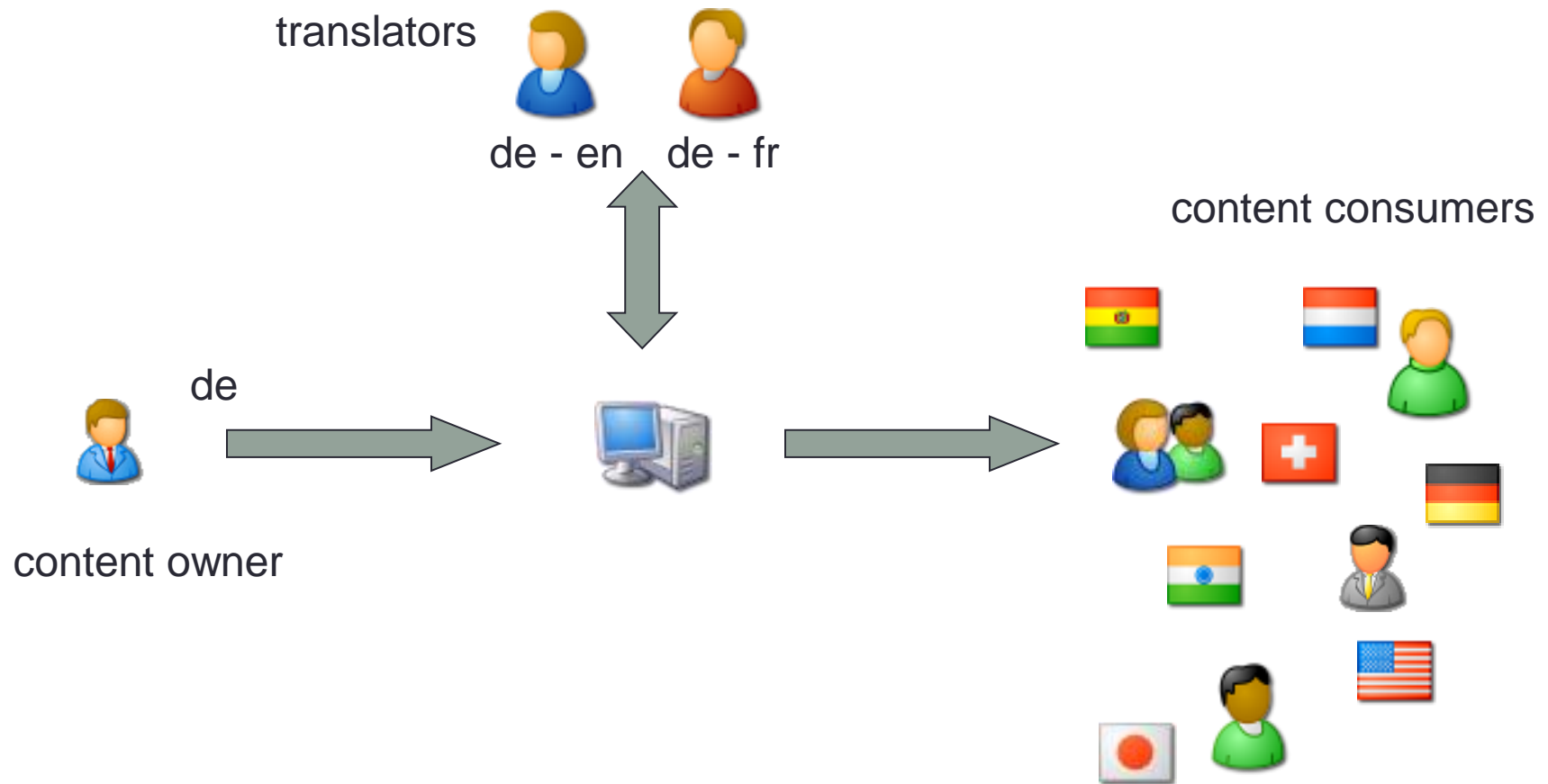
Vision for DotNetNuke LPs



Content Localization

- Concerns only multilingual sites
- Is very hard to implement well
- This explains why it has been pushed down the agenda for a long time

Content Localization Challenge



Content Localization

- Basically there are 3 approaches:
 - Site Level
 - e.g. <http://en.acme.com/default.aspx> or <http://www.acme.com/en/default.aspx>
 - Page Level
 - Module Level
- Complexity for admin diminishes but technical increases as you descend
- It is next to impossible to solve full content localization including permissions at the module level

DNN Content Localization

- Create “shadow” copies of each page on the site with each module copied over
- Irreversible process! This makes it somewhat daunting.

Internationalization Team

DotNetNuke INT Team

- Created in 2008
- Focus on all aspects relating to DNN use in non-English speaking parts of the world
- Primary goal is to give in-depth feedback to DNN Corp on these issues thereby promoting them to the roadmap
- Team consists of a number of community members outside the US (Holland, France, Germany, Switzerland, Belgium, Turkey, Japan) and Corp members incl. Shaun Walker
- Biweekly GTM meetings

Localization Editor

- Tool to facilitate the management and distribution of language packs
- ... and also to edit
- Texts managed in database
- Maintain the “cube” of packs
 - Package, Version, Locale
- Supports for generic languages and “sub”-translators
- CodePlex

Looking Ahead

- Looking to improve (a) production and (b) distribution of language packs
 - (Semi) Automatic detection and installation
- Improve the CL experience – concretely looking at ways to provide better contextual feedback to users so they know where things stand
- Improve the Admin screen for Localization where needed
- Ability to roll-back CL

Thank You

Peter Donker



- Bring2mind (Document Exchange)
- DotNetNuke Trustee
- Internationalization Team
- Localization Editor
- Newsfeeds Module
- Dutch DNN User Group
- European DNN User Group



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