

The Importance of Locale Information

M. Hosken NRSI, SIL International

Locale Information

Collation tailoring

Key Translated strings: Language, script, region names, days, months, etc

Formatting: Time & date, currency, etc.

Exemplars: Main characters, Dictionary head characters, etc.

Resource locations: Fonts, keyboards, spelling, transcription, etc.

Who benefits directly?

Local Community

Appropriate language support in tools

Computing Industry

Feeds back into better language support

Language Documentation

Industry Driven

Minority language support

- No financial incentive

- Need to reduce costs per language

Industry wants data not code

- Data doesn't have security implications, yet!

CLDR

SLDR

github

LDML

SIL Extensions

Likely Subtags

Alltags.txt

LDML

XML language

Main Data

Display Names, Numbers, Calendars, Collation, Segmentations,
Delimiters,

Measurements, Units, Characters, List Patterns

Supplemental Data - Territory Information

Language Use, Currency, Postal Codes, Calendar Preferences

SIL Namespace

Extended:

Collation, identity, exemplars

Resource references

Fonts, keyboards, spell checking, transforms

Quotation marks

Other Resources

Spell Checking

Hyphenation / Line breaking

Fonts

Keyboards

Transformations

Example

LibreOffice Language Extensions

Language tag

Hunspell spell checking

(Locale information in LDML)

Future Dreams

Hyphenation, line breaking

Predictive text keyboarding in Keyman

Language Tag

Unique writing system identifier

Keys Locale information

Keys writing system / language

Language Needs Assessment

DBL translations list

Language Tag

Ing-Scpt-RE-variants-x-extensions

Tag Wisely!

Don't include non-disambiguating information

[Likely Subtags](#)

alltags.txt

Where Does Data Go?

SLDR is public

CLDR is Unicode sub project

Google, IBM, Apple, Microsoft

Our tools

FW, PT, Bloom, etc.

Do I Have to Type All That?

Automatic data collection

FW, PT

Please say yes!

Need a language tag

Thank You