



= Lost in Translation ?

现在什么? _ _ _ هناك التطبيق لذلك!

Goal: Translating an App should not involve development, existing translations should be kept.

Problems, Tools, Best Practices.

== Problems

conflicting goals:

not in focus of english speaking developer/tester # Apple tools are a bit odd, e.g. [genstrings](#) (not incremental) # xibs even worse to keep up-to-date # OMG: images! # hard to verify: fringe screens, bilingual devs

== Interlude: assert(Localisation != Translation)

Localisation: *prepare for translation* (NSLocalizedString, **dev** task) # Translation: *do translation* (Localizable.strings, **non-dev** task) == Not in focus of english speaking developer/tester

most apps + devs english ⇒ no goal, # annoying NSLocalizedString(@„foo“, @„bar“) when **developing**, # but: expensive to hunt down when **releasing**,

```
# hard to find automatically - many //technical// strings
# 'NSLocalizedString' & friends mandatory to leverage 'genstrings'
```

== So,

make a habit to wrap **every** @„english text“ in NSLocalizedString(@„english text“, @„view hint“) whenever you meet one, # don't even bother about defining a mnemonic key but use just the **english** literal/format string. # (mnemonic: 2x the typing plus clueless translators)

== Apple tools are a bit odd

IMO there's no way around genstrings, despite it's shortcomings:

doesn't **update** but overwrite, # UTF-16 - not (git) diff friendly, # macro NSLocalizedString doesn't give source file.

Solution 1 + 2

["tools/genstrings_incremental"](#)

Nice: no xml/xliff, just plain text word lists for translation.

== NSLocalizedString

```
/* TBA */
"TBA" = "TBA";
```

or

```
/* ContributeVC
Feedback */
"Submit" = "Absenden";
```

which one would you choose?

```
NSString(@"Submit", @"ContributeVC")
```

== Xcode project target membership

* we're not doing it 100% how Xcode likes it, * reason: define translations per target, **not** whole project * caution: keep Localizable.strings in sensible directory



== tl;dr

no literals in xibs, inject text via IBOutlet, # prefer **rendered** text, avoid images, # wrap **every** user visible string **whenever** you see one, # **always** localise the format string, # **always** preserve existing, used translated phrases: "genstrings_incremental".

== Thank you

for your attention.

* [ADC: Programming Resources](#) * [ADC: NSShowNonLocalizedString & NSShowNonLocalizableStrings](#)

```
[[NSUserDefaults standardUserDefaults] setBool:YES
 forKey:@"NSShowNonLocalizedString"];
[[NSUserDefaults standardUserDefaults] setBool:YES
 forKey:@"NSShowNonLocalizableStrings"];
```

* [Bitbucket: genstrings_incremental](#)

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