

Tips for Internationalisation

1. Wait until XE? for Linux support (for hybrid Delphi/Objective PHP systems) and FireMonkey BiDi R2L support
2. Wait until PHP 6 for native Unicode support
3. Use the 3 Preliminary Fields, ie: number, locale & name, for Data Structures
4. Use local Databases for the storage of Unicode strings (best to wait for MySQL 6.0 if you are using that DBMS)
5. Use GUI-based software tools, ie. MySQL Workbench & SQLite2009 Pro (better Unicode font support)
6. Adopt MVVM for Program Design (see Malcolm Grove's blog)
7. Use the [Arial Unicode MS](#) font as it is available on MS Windows, OS X, IOS & Android (or Lucinda Sans Unicode)
8. Try Sisulizer (free version is available) - an XLIFF CAT tool supporting Delphi XE6 (but best to wait for XLIFF 2.0)
9. In FireDAC use `ftWideString` not `ftString`

Follow-up



- “The Absolute Minimum Every Software Developer Absolutely, Positively Must Know About Unicode and Character Sets (No Excuses)” by Joel Spolsky
(URL: <http://www.joelonsoftware.com/articles/Unicode.html>)
- “What Every Programmer Absolutely, Positively Needs To Know About Encodings And Character Sets To Work With Text” by David C. Zentgraf (URL: <http://kunststube.net/encoding/> and see also <http://kunststube.net/frontback/>)
- “Getting out of MySQL Character Set Hell” by Stephan Balukalof
(URL: <https://www.bluebox.net/insight/blog-article/getting-out-of-mysql-character-set-hell>)
- “Tags for Identifying Languages” RFC 5646 (URL: <http://tools.ietf.org/html/rfc5646>)
- Computers & Writing Systems (URL: http://scripts.sil.org/cms/scripts/page.php?cat_id=Home)
- “Mastering the AWS SDK for PHP” video: (URL: https://www.youtube.com/watch?v=_zaW2VZB1ok)
- Consider refactoring your Delphi code along the lines of ZF:
(URL: <http://framework.zend.com/manual/1.12/en/zend.locale.introduction.html>)