# Tivoli's Multilingual Support



David Kumhyr david.kumhyr@tivoli.com

### Tivoli's Power - Our Dilemma

# THE POWER TO MANAGE. ANYTHING. ANYWHERE. TM



# Ok Marketing, we'll deliver!

Tivoli's Globalization Team accepts the challenge!



### What we did...

- Full Unicode support
- Split language from locale
- · Run time language selection
- World-wide remote support
- · Dynamic translation delivery
- · Read anything, anywhere!

### Full Unicode support

- · Java world-wide software
- Unicode support
- · Provide font.properties file
- · World-wide Unicode font

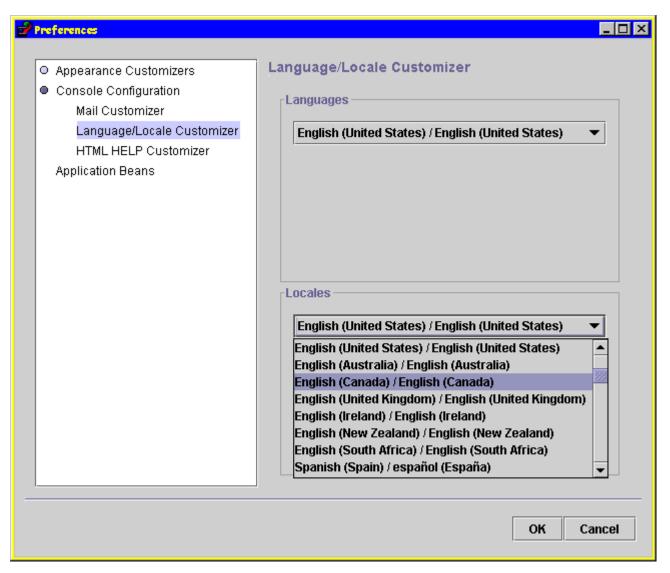
### Multinational Enterprise



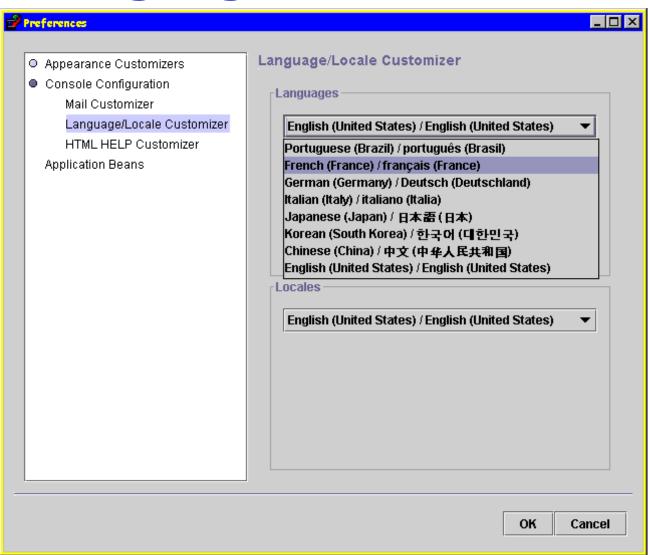
# Split Language from Locale

- Support for untranslated locales
- User can select the best language
- Local collation supported
- · Local date/time format supported
- Potential for cross company standards
- Close to translation without the cost!

### Locale Customiser



### Language Customiser



### Run Time Language Selection

- Users change language as desired
- Language is independent of operating system or locale
- · Enables remote support

# Instant English



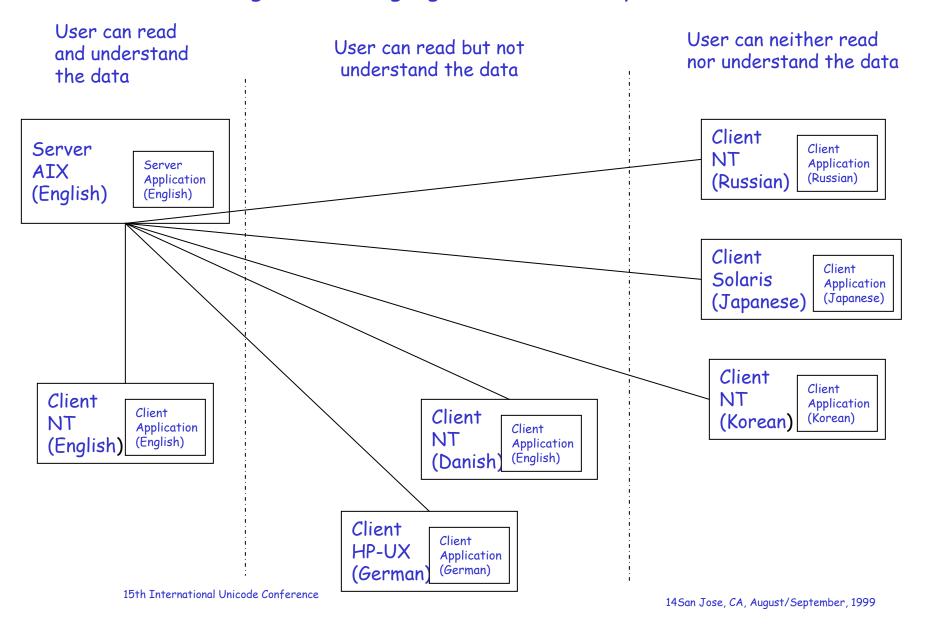
# Dynamic Translation Delivery

- Any language Anywhere
- · Reduce space requirements
- Reduce installation times
- Allow additional languages after product delivery
- · Enable world wide GA pre-translation
- · Invisible downloading of language

# Gojira eats Tokyo...



#### Transferring Human Language Data Across System Boundaries



# Read Anything, Anywhere!

Addressing the difference between the information contained in the spoken word and the written word.



### Which Administrator is Sugaya-san?



- and how do you distinguish him from Kanno-san?

### Tooltip Transliteration







Чайковский







BOCTOK

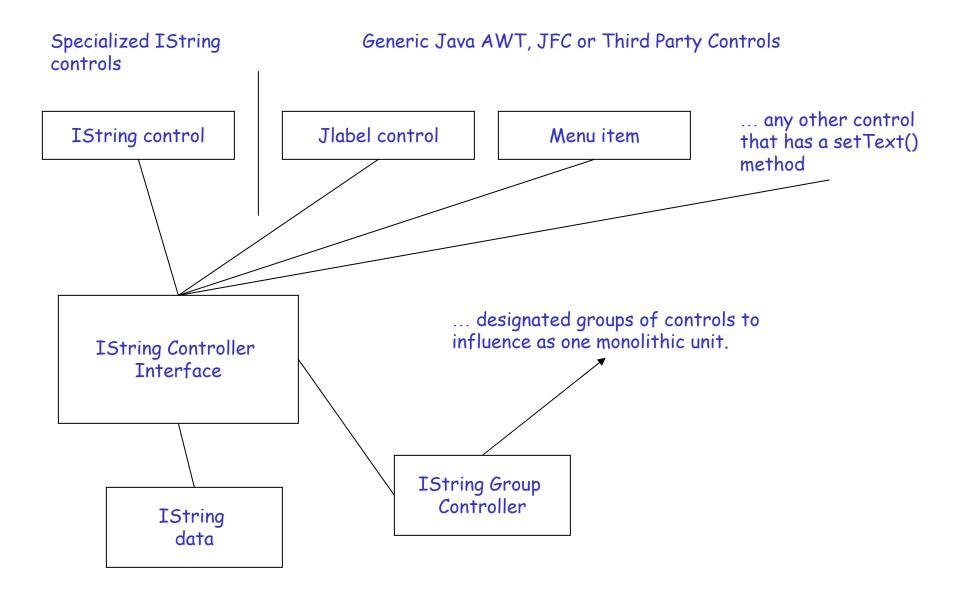
Москва

Sugaya

### Japanese family names



su ga no su ga ya ka n no



# Kanji



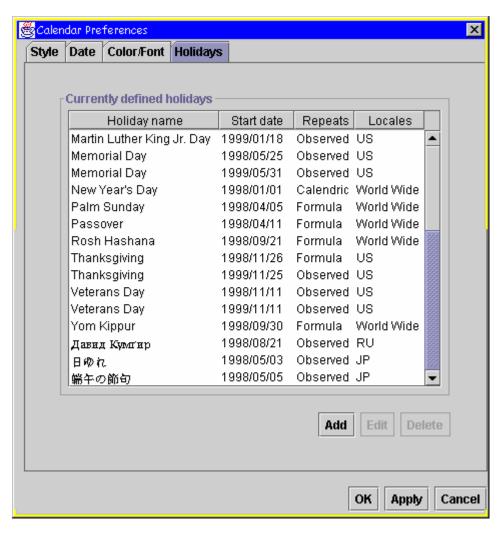
# Romaji



### Ukrainian



### International List



### Problems Solved with IString

- Character recognition
- Character differentiation
- · Japanese names
- Overridden sort
- · Case mapping

### What we did...



- Full Unicode support
- Split language from locale
- Run time language selection
- World-wide remote support
- Dynamic translation delivery
- Read anything, anywhere!

### Drop me a line...



#### David Kumhyr

Tivoli Systems, Inc Austin Texas david.kumhyr@tivoli.com +1 512/436-1268

www.tivoli.com