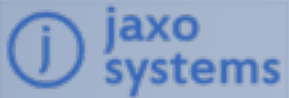


Rexx for Android



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Foreword

- Embedded systems are (were?) a programming environment challenge, and, as such, raised our interest while willing to prove the continued usefulness of the REXX concept
- Initially targetted for PalmOS, written in C++, Jaxo REXX library runs on the most widely used operating systems
- The port to Android took 11 days for the core part and the base GUI

Why Android?

- The success of mobile devices generated a plague of operating systems, inheriting the past, and poorly "adapted" to the new features.
- For programmers, Android is a *revolution*, benefitting of years of technology evolution in terms of:
 - portability (Java and C, Linux kernel)
 - descriptive GUI (XML) and data storage (SQL),
 - multi-tasking, connectivity and media support
 - coordination of software resources (activities, providers, intents, ...)
- Android is the ideal candidate for a glue language as powerful as REXX

How it works



A Few Specifics^(*)

- It already talks:

Call Charout "Speaker:", "Bonjour Aruba."

- It properly passes commands to the system:

"ls -a" /* a typical Linux command (dir) */

/* running an intent */

"am start -a android.intent.action.MAIN -n com.android.settings/.Settings"

- It is enough fast:



```
----- REXXCPS 2.2 -- Measuring REXX clauses/second -----  
REXX version is: REXX-Jaxo-1.275 4.03 5 Aug 2011  
System is: ANDROID  
Averaging: 10 measures of 30 iterations  
  
Performance: 431563 REXX clauses per second
```

*(device is a Samsung Galaxy Space II
running Android 2.3.3)*

^(*) probably more, to come later - it's an 'own-time' project!

Download and Install

- Nowadays, distributed as an APK (application package file)
 - Run on Android phones and tablets, emulator...
 - Send me mail... (pgr@jaxo.com)
- Soon to be on the Android Market



Q & A

