Software Release Notes

Lipi Toolkit 4.0

Contents

1-1 Media & Configuration

1-1-1 System/Deployment Configuration

Lipi Toolkit can be installed on any of the following 32 bit and 64 bit platforms:

- Windows 7
- Ubuntu 10.10

1-1-2 Software requirements

Description	Windows XP	Linux
Building the C++ module	Visual Studio 2008	GNU C++ compiler (g++ 4.4)
Building the java module	Java Development Kit (JDK) jdk1.6.0_26 or above	Openjdk-6-jdk
Running the application	Java runtime enviornment Jre 1.6.0_26 or above	Openjdk-6-jdk
Executing utility scripts	ActivePerl 5.1 and Archive::Zip	Perl 5.1 or above and Archive::Zip

1-2 Release Components

1-2-1 Package Name

Component Name	Version No.	Description
lipi-toolkit4.0.0-bin-x86.exe	4.0.0	Binary Package for Windows 32 bit
lipi-toolkit4.0.0-bin-x64.exe	4.0.0	Binary Package for Windows 64 bit
lipi-toolkit4.0.0-src-x86.exe	4.0.0	Source package for Windows 32 bit [VC2008]
lipi-toolkit4.0.0-src-x64.exe	4.0.0	Source package for Windows 64 bit [VC2008]
lipi-toolkit4.0.0-linux-x86.tar.gz	4.0.0	Binary package for Linux 32 bit
lipi-toolkit4.0.0-linux-x64.tar.gz	4.0.0	Binary package for Linux 64 bit
lipi-toolkit4.0.0-src-linux.tar.gz	4.0.0	Source package for Linux

1-3 Documentation

The following documents are released with packages:

- Core Toolkit User Manual.
- Getting Started.
- Lipi Designer User Manual.

1-4 New features in this release

1. Support for 64 bit in windows and linux.
2. Lipi IDE renamed to Lipi Designer, and is bundled with toolkit.
3. Alphanumeric Recognizer is bundled with toolkit.
4. Sample user interface application for windows.

1-5 Limitations/Known Issues

1. *lipiDesigner* can load only the projects created using lipiDesigner. The application may not work properly, if the end user tries to load the projects created from other source.
2. Spaces in ink file paths in training or test list files causes error.
3. The runshaperec.exe reports error if the file paths mentioned in the list files for training or testing contain spaces.
4. The application does not work properly, if the environment variable `LIPI_ROOT` contains white spaces. Please make sure that there are no white spaces in `LIPI_ROOT`.

   Example: `LIPI_ROOT=d:\lipi_toolkit`

1-6 List of Bugs and feature improvements

S No.	Description
1	Training from feature files, works with all feature extractors.
2	Binary mode of reading from mdt does not work if a feature vector having a shape feature that is not filled was written to mdt file.
3	isPenUp need not be a pure virtual function, but may be as ispenup returns bool, we will have to change function signature or just return error when unimplemented isPenup is called.
4	Ideally while testing we do not even have to verify the config parameters from testing, it should use all it can get from the mdt header.
5	LTKInc.h is merged with LTKMacros.h.
6	Global LTKReturnError errorcode macro is removed.
7	Removed getLastError defnition from DPWordRecognizer.
8	In deleteshaperecognizer method parameter is changed to single pointer.
9	Prototype set must be emptied before returning from call to LVQ train.