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| \* Copyright 2011 Pitney Bowes Inc.  \* VulcanVx-LabelAutomation. |
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| The LabelTestAutomation tool is a tool developed to test shipping labels. The labels can be of PDF or Image type.  The test labels are compared against the master labels and the regions in the label that are dynamic and need not be compared are masked during comparison. Details of maskable regions are provided in a config file.  The tool aims at providing the user a detailed comparison analysis both textual and visual. Text diff report is visible in the file name Report.txt for PDF labels only.  Visual diff report consists of the diff image that is generated under a directory named DiffImage inside Report directory. An execution summary report file is also generated for each execution of the tool which summarizes the comparison of the labels. |
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| INSTALLATION INSTRUCTIONS:   1. Environment Setup: Ensure the java runtime environment is installed. Install Java SDK 1.5 or above. Make sure JAVA\_HOME variable is set. For detailed information on how to install java, refer to the following url: <http://www.java.com/en/download/help/index_installing.xml> 2. Label Setup: Copy the master labels in a directory, herein referred to as master. Also, copy the test labels in a directory, herein referred to as test. Please note that the tool uses labels with same name to compare against each other. For naming convention of the labels, please refer to the NextGen\_Label\_Automation Requirements document. 3. Unzip LabelTestAutomation.zip file to a directory, herein referred to as root directory. It should contain the following files:      1. LabelTestAutomation.jar 2. label-test-automation.properties 3. run.bat 4. sample-config-file.xml 5. sample-master 6. sample-test 7. README.docx 8. Config File setup: For configuring maskable regions, please provide specifications in the configuration file, herein referred to as config file. A sample config file has been provided in the root directory. For measuring dimensions (in inches) in PDF labels, open source tools such as [PDFXchangeViewer](http://www.tracker-software.com/product/pdf-xchange-viewer) can be used for accurate results. For measuring dimensions (in px) in image labels, open source tools like [ImageJ](http://rsbweb.nih.gov/ij/download.html) can be used for accurate results. 9. The tool can be invoked from command line by using following command   java –jar LabelTestAutomation.jar <options>    <options>  -master : Master label file/directory (Mandatory)  -test : Test label file/directory (Mandatory)  -config : The configuration file (Mandatory)  -type : Label type (pdf/image/all) (Optional)   1. Optionally, the tool can also be invoked through **run.bat** file. For this the label and config file locations can be specified in the run.bat file or label-test-automation.properties file. Preference is given to inputs in the batch file. 2. After successful execution a directory named **Report** is generated in the directory containing the test labels. It contains three types of report. 3. Execution summary report: Highlights the summary of execution. This report is created for every execution with name including the timestamp. 4. Detailed report: Highlights the details of the execution. It indicates the textual and visual differences if any during comparison of labels. 5. DiffImage: Directory containing the diff images that are created for each labels that are different. |
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