**Introduction**

The SI Merge utility is Java based tool developed to automate the process of generating merged service image for various Http and Java based system by extracting all exact matches based on the vse.matches log file from recorded service image and then combining all of them per backend.

The tool itself is simple to use by running it as an Ant task. The pre-requisites and things to watch out for before running merge are mentioned in subsequent section.

**Settings**

All the properties defined in this configuration should be changed as required.

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| lisa-merge-util-config.properties |
| # List of all Java back-ends JAVA\_BACKEND\_NAMES=BDM,CAAM,CAPM,ENABLER,LDAP,LIM,PAMBIS,QP,SMBIS,TLG,SMS,GRID  #List of all Http back-ends  HTTP\_BACKEND\_NAMES=AMNQ,BCAM,BDS,BDS-CAAM,BIM,BOOST,CSI,CSI-IFSQ,EDP,EFC,ICBT  LISA\_SERVICE\_IMAGE\_MANAGER=C:/Lisa/bin/ServiceImageManager.exe  LISA\_PROJECT\_VSERVICES\_FOLDER\_VSI\_SOURCE= %source directory path%  LISA\_PROJECT\_VSERVICES\_FOLDER\_VSI\_MERGED\_DESTINATION= %destination directory path%  MATCHES\_EXCEL\_FILE= %fully qualified path to the generated merge spreadsheet % |

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| lisa-merge-utils-ant.properties |
| LISA\_HOME=C:/Lisa  lisa.operation=EXTRACT or MERGE  lisa.properties-file=%fully qualified path of lisa-merge-util-config.properties%  lisa.excel.vse-matches-scripts=multi  lisa.excel.vse-matches-logs-folder=%fully qualified path of the vse.matches log directory%  lisa.excel.log-lookback-in-minutes=30  lisa.excel.output-csv-file=%fully qualified path where merge csv file should be generated %  lisa.excel.output-xlsx-file=%fully qualified path where merge spreadsheet should be generated % |

**Using Merge Utility**

Follow the steps in sequence as mentioned below before running the merge and subsequent process.

1. Check out the latest copy of service image and vse.matches log file. You can simply even update the entire copy of repository. Here repository refers to “sltest”.
2. Check the lisa-merge-util-config.properties to see that all Java and Http backend are defined. In case if a new backend is added, provide its name against appropriate key property.
3. Step 2 is optional and may not be required all the time.
4. Prior to running merge make sure you don’t have any file specifically related to merge like csv, spreadsheet or service image open.
5. Change the directory to **sltest/trunk/Lisa\_Merge\_Utils**
6. From the command prompt run the following ant task or alternatively execute the “RunMerge.bat” file.
   * **ant merge-process-all**
7. Depending upon the amount of data to process, the merge activity may take different amount of time to complete. When the merge completes you should see a “BUILD SUCCESSFUL” message at the end. The merge process generates both service image and the merge report csv file.
8. Now change the directory to sltest/trunk/Lisa\_Merge\_Utils/data. Here you should see a newly generated csv file. Commit this file to SVN repository.
9. Verify that this sheet has the newly added test scripts.
10. Change the directory to the root of merged project where newly generated merged images are copied. For ex: **sltest/branches/b1303\_P1\_myATT\_Validation\_Merged**
11. Commit all changes including newly generated service image files from this directory to SVN repository.