**EXECUTION STEP PLAN**

**PRE-REQUISITES**

1. Tortoise SVN ([https://vcs-java.elabs.eds.com:2403/svn/alucmdb/artifacts](https://vcs-java.elabs.eds.com:2403/svn/alucmdb/artifacts/))
2. Perl : ActiveState v5.10.0 build 1005
   1. (set HTTP\_proxy=bbnwebcachevip2.bastion.europe.hp.com:8080, inside HP MBT)
   2. ppm install DBD-mysql
   3. ppm install Config-IniFiles
   4. ppm install Spreadsheet-ParseExcel
   5. ppm install log-log4perl
   6. ppm install Spreadsheet-WriteExcel
3. MySQL (<http://dev.mysql.com/downloads>)
4. [Request](http://eslweb.gre.omc.hp.com/pls/eslp/user_registration.view_page) READ access to ESL production : <http://eslweb.gre.omc.hp.com/pls/eslp/esl_myesl_main.p_myesl_frame>
5. [Request](http://link.hp.com/u/yog) READ access to Sharepoint <https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx>
   1. Acces to Governance & Business
   2. Acces to Governance & Business Reporting
6. Request READ acces to Sharepoint <http://ent31.sharepoint.hp.com/teams/ALUInternal/ITO/SvM/CfgM/CMR/Forms/AllItems.aspx?RootFolder=%2Fteams%2FALUInternal%2FITO%2FSvM%2FCfgM%2FCMR%2FMonthly%20Asset%20Center%20CMDB%20Report&View=%7b662BB155%2d3969%2d41A2%2dB67C%2d43E54D515208%7d>
7. Download MySQL ODBC Driver from : [http://www.mysql.com/downloads/connector/odbc](http://www.mysql.com/downloads/connector/odbc/)
8. Request newest version of following files from [Ken Hughes](mailto:kenneth.hughes@alcatel-lucent.com?subject=ALU%20Data%20Migration%20:%20Porfolio%20data%20from%20date%20dd/mm/yyyy) (ALU, bug 371)
   1. Archer extract\_Application\_Data Classification Ratings\_120216 with Formula.xls to alu\_pf\_security. (See bug 477)
      * Check with Ken if a new file is available, otherwise the existing table alu\_pf\_security.
   2. The Solution Portfolio file snapshot explicitly requesting
      * IS-IT Mgd
      * BU Mgd
      * IS-IT Other
   3. The Workgroup Information for the Business Applications ( see bug 474, incl. format in attachment.)
9. Request newest version of AssetCenter files from [Raymond Ducrocq](mailto:raymond.ducrocq@hp.com?subject=ALU%20Data%20Migration%20:%20AssetCenter%20Data%20from%20date%20dd/mm/yyyy) (HP)
10. Request newest version of OVSD files from [Daniel Bruzdzinski](mailto:daniel.bruzdzinski@hp.com?subject=ALU%20Data%20Migration%20:%20OVSD%20Data%20from%20date%20dd/mm/yyyy) (HP) or alternatively [Mary Kate Murray](mailto:mary.murray@hp.com?subject=ALU%20Data%20Migration%20:%20OVSD%20Data%20from%20date%20dd/mm/yyyy) (HP)

**DOWNLOAD**

1. Copy SNAPSHOT from \alu\properties\alu\_master.ini to your own alu.ini

***[SNAPSHOT20120905]***

***DS\_MASTER=D:\SVN\ARTIFACTS\TRUNK\INTEGRATION-TEST\MASTER***

***DS\_MASTER2=D:\SVN\ARTIFACTS\TRUNK\DATA\MASTER***

***DS\_SRC\_MASTER=D:\SVN\ARTIFACTS\TRUNK\DATA\MASTER***

***LOGDIR=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\LOG***

***DS\_STEP0=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\STEP0***

***DS\_STEP1=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\STEP1***

***DS\_STEP2=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\STEP2***

***DS\_STEP3=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\STEP3***

***DS\_STEP4=D:\TEMP\ALUCMDB***

***DS\_STEP5=D:\SVN\ARTIFACTS\TRUNK\DATA\SNAPSHOT20120905\STEP4***

1. Create a folder svn\artifacts\trunk\data\snapshotyyyymmdd\step0 & add/change this folder to SNAPSHOT in alu\properties\alu.ini
2. Download reports from ESL :

<http://eslweb.gre.omc.hp.com/pls/eslp/esl_myesl_main.p_myesl_frame>

“Reporting – Dynamic”

User Datamigration ALU

Target Folder : svn\artifacts\trunk\data\snapshotyyyymmdd\step0

Mark to hide HTML output !

**ATTENTION WAIT UNTIL PARAMETERSCREEN OF THE SELECTED REPORT HAS LOADED BEFORE PROCEDING WITH THE RUN SELECTED QUERY !**

|  |  |
| --- | --- |
| ESL Report | Target File |
| CS Techn gen YYMMDDhhmm | cs\_techn\_gen.csv |
| CS Techn IP YYMMDDhhmm | cs\_techn\_ip.csv |
| CS Techn Cons YYMMDDhhmm | cs\_techn\_cons.csv |
| CS Admin YYMMDDhhmm | admin.csv |
| CS Funtions YYMMDDhhmm | functions.csv |
| CS Usage YYMMDDhhmm | usage.csv |
| Hardware Component YYYMMDD | hardware\_extract.csv |
| Location Information | location.csv |
| Relations YYYYMMDD | relations.csv |

1. Download reports from ESL using the e-mail option:

<http://eslweb.gre.omc.hp.com/pls/eslp/esl_myesl_main.p_myesl_frame>

“Reporting – Dynamic”

User Datamigration ALU

Target Folder : svn\artifacts\trunk\data\snapshotyyyymmdd\step0

Mark to hide HTML output !

**ATTENTION WAIT UNTIL PARAMETERSCREEN OF THE SELECTED REPORT HAS LOADED BEFORE PROCEDING WITH THE RUN SELECTED QUERY !**

|  |  |  |
| --- | --- | --- |
| ESL Report | Target File |  |
| Availability EMAIL YYMMDD | availability.csv | ***Mark Show EMail Address instead of Name fields for Server roles !*** |
| Product EMAIL YYYYMMDD | product.csv | ***Mark Show EMail Address instead of Name fields for Instance roles & Solution roles !*** |

1. Validate ESL downloaded data
   1. Create a folder svn\artifacts\trunk\data\snapshotyyyymmdd\log & add/change this folder to SNAPSHOT in alu\properties\alu.ini
   2. set PERL5LIB=D:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Modules;%PERL5LIB%;
   3. perl validate\_esl.pl SNAPSHOTyyyymmdd
2. Download reports from AssetCenter :
   1. <https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx>
   2. directory [ASSET CENTER CMDB (Configuration Management Database) Reports - Infrastructure - EMEA CALA[Use SHIFT+ENTER to open the menu (new window).](https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx?RootFolder=/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/ASSET%20CENTER%20CMDB%20(Configuration%20Management%20Database)%20Reports%20-%20Infrastructure%20-%20EMEA%20CALA&FolderCTID=&View=%7b217FC9AB-A61B-4374-8196-36238EACCCD0%7d)](https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx?RootFolder=%2fexternal%2fALUandHP%2fGovernanceBusinessOps%2fReporting%2fAsis%20Reports%20Schedule%2013%2fASSET%20CENTER%20CMDB%20%28Configuration%20Management%20Database%29%20Reports%20%2d%20Infrastructure%20%2d%20EMEA%20CALA&FolderCTID=&View=%7b217FC9AB%2dA61B%2d4374%2d8196%2d36238EACCCD0%7d)
   3. Sort on name descending (latest on top !)
   4. Select following files from the most recent folder
   5. Target Folder : svn\artifacts\trunk\data\snapshotyyyymmdd\step0

|  |
| --- |
| Asset Center File |
| HP\_ALU\_SLM\_*yyyy\_mm\_dd*\_SRV\_V2.xlsx |
| HP\_ALU\_SLM\_YYYY\_MM\_DD\_SOL\_V2.xlsx |

1. Download reports from OVSD :
   1. <https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx>
   2. directory  [OVSD CMDB (Configuration Management Database) Reports - Infrastructure - AMS APJ [Use SHIFT+ENTER to open the menu (new window).](https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx?RootFolder=/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/ASSET%20CENTER%20CMDB%20(Configuration%20Management%20Database)%20Reports%20-%20Infrastructure%20-%20EMEA%20CALA&FolderCTID=&View=%7b217FC9AB-A61B-4374-8196-36238EACCCD0%7d)](https://external1.collaboration.hp.com/external/ALUandHP/GovernanceBusinessOps/Reporting/Asis%20Reports%20Schedule%2013/Forms/AllItems.aspx?RootFolder=%2fexternal%2fALUandHP%2fGovernanceBusinessOps%2fReporting%2fAsis%20Reports%20Schedule%2013%2fASSET%20CENTER%20CMDB%20%28Configuration%20Management%20Database%29%20Reports%20%2d%20Infrastructure%20%2d%20EMEA%20CALA&FolderCTID=&View=%7b217FC9AB%2dA61B%2d4374%2d8196%2d36238EACCCD0%7d)
   3. Sort on name descending (latest on top !)
   4. Select following files from the most recent folder
   5. Target Folder : svn\artifacts\trunk\data\snapshotyyyymmdd\step0

|  |
| --- |
| OVSD File |
| Server Report On mmmm dd yyyy.zip |
| Application Report On mmmm dd yyyy.zip |
| Database CI Report On mmmm dd yyyy.xls |

1. Download reports from Assetcenter internal sharepoint:
   1. <http://ent31.sharepoint.hp.com/teams/ALUInternal/ITO/SvM/CfgM/CMR/Forms/AllItems.aspx?RootFolder=%2Fteams%2FALUInternal%2FITO%2FSvM%2FCfgM%2FCMR%2FMonthly%20Asset%20Center%20CMDB%20Report&View=%7b662BB155%2d3969%2d41A2%2dB67C%2d43E54D515208%7d>
   2. Sort on name descending (latest on top !)
   3. Selecting following file from the most recent folder : YYYY\_MM\_DD\_ALL\_RELATIONSHIP.xlsx
   4. Target Folder : svn\artifacts\trunk\data\snapshotyyyymmdd \step0

**CONVERSION**

1. Unzip all zipped files in step0 & delete the zip files
2. Copy step0 folder to step1 van snapshotyyyymmdd & add/change this folder to SNAPSHOT in alu\properties\alu.ini
3. Save all assetcenter files as .xls (office 97 – 2003 format) & to .csv (comma separated)

|  |  |
| --- | --- |
| 2012\_MM\_DD\_ALL\_RELATIONSHIP.xlsx | Comma Delimited (web options – UTF8) |
| HP\_ALU\_SLM\_2012\_MM\_DD\_SOL\_V2.xlsx | xls 2003 / 97 |
| HP\_ALU\_SLM\_2012-MM-DD\_SRV\_2 | xls 2003 / 97 |

**Upload SNAPSHOTddddmmyy to SVN**

IMPORT TO MYSQL

1. SVN update (to make sure we have the latest runtime version)
   1. Folder ..\trunk\integration&test\master
   2. Folder ..\trunk\data\master
   3. Folder ..\sourceprep\ALU
   4. Folder ..\sourceprep\Database
   5. Folder ..\sourceprep\Modules
2. Make sure d:\temp is deleted (otherwise we’ll have big log files with more than the run of the snapshot).
3. Create alu\_cmdb db database using: **svn\artifacts\trunk\analysisdeliverables\sourceprep\Database**
   1. mysql -uroot -pMonitor1 < alu\_cmdb.ddl
   2. mysql –uroot –pMonitor1 < alu\_cmdb\_views.ddl
   3. mysq –uroot –pMonitor1 < alu\_cmdb\_stoproc.ddl
   4. mysql –uroot –pMonitor1 < alu\_cmdb\_indexes.sql
4. Import downloaded files to mysql alu\_cmdb
   1. set PERL5LIB=D:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Modules;%PERL5LIB%;
   2. perl load\_esl.pl SNAPSHOTyyyymmdd
   3. perl load\_ovsd.pl SNAPSHOTyyyymmdd
   4. perl load\_a7.pl SNAPSHOTyyyymmdd
   5. perl load\_a7\_csv.pl SNAPSHOTyyyymmdd
   6. perl load\_portfolio.pl SNAPSHOTyyyymmdd
   7. perl load\_master.pl SNAPSHOTyyyymmdd
5. Provide indexing for alu\_cmdb
   1. mysql -uroot -pMonitor1 < alu\_cmdb\_indexes.sql
   2. mysql -uroot -pMonitor1 < alu\_cmdb\_updates.sql
6. Check if we have all the data as expected
   1. set PERL5LIB=D:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Modules;%PERL5LIB%;
   2. perl validate\_alu\_cmdb.pl SNAPSHOTyyyymmdd
7. Snapshot from the alu\_cmdb database before first run
   1. Add folder svn\artifacts\trunk\data\snapshotyyyymmdd\step2 & add/change this folder to SNAPSHOT in alu\properties\alu.ini
   2. mysqldump –uroot –pMonitor1 alu\_cmdb > alu\_cmdb.dump
   3. mysqldump –no\_data alu\_cmdb –uroot –pMonitor1 > alu\_cmdb.ddl
8. Create CIM DB using following sql statements in : **d:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Database**
   1. mysql -uroot –pMonitor1 < cim.ddl
   2. load data
      1. perl load\_sheet.pl SNAPSHOTyyyymmdd master\_translation.xls
      2. perl load\_sheet.pl SNAPSHOTyyyymmdd master\_os\_translation.xls
      3. perl load\_sheet.pl SNAPSHOTyyyymmdd master\_person.xls
      4. perl load\_sheet.pl SNAPSHOTyyyymmdd master\_uuid\_map.xls
   3. mysql –uroot –pMonitor1 < cim\_updates.sql

**Upload SNAPSHOTddddmmyy to SVN**

RUN

1. Run all\_all.bat
   1. set PERL5LIB=D:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Modules;%PERL5LIB%;
   2. all\_all SNAPSHOTyyyymmdd > D:\svn\artifacts\trunk\data\snapshotyyyymmdd\log\run\_dyyyymmdd\_hhmm.log
2. Keep everything of the run
   1. Add folder svn\artifacts\trunk\data\snapshotyyyymmdd\step3 & add/change this folder to SNAPSHOT in alu\properties\alu.ini
   2. mysqldump –uroot –pMonitor1 cim > cim.dump
   3. mysqldump –no\_data –uroot –pMonitor1 cim > cim.ddl

**Upload SNAPSHOTddddmmyy to SVN**

CHECK EXECUTION

1. Create directory \svn\...\snapshotyyyymmdd\step4 & add/change this folder to SNAPSHOT in alu\properties\alu.ini
2. set PERL5LIB=D:\svn\artifacts\trunk\analysisdeliverables\sourceprep\Modules;%PERL5LIB%;
3. Treatment of master portfolio mapping
   1. perl create\_uuid\_map.pl –f SNAPSHOTyyyymmdd
4. Treatment of master acronym mapping
   1. Perl create\_acronym\_map.pl –f –d SNAPSHOTyyyymmdd
   2. Mail to ken hughes
5. Commit to svn \svn\artifacts\trunk\data\master
6. Perl move\_files.pl SNAPSHOTyyyymmdd
7. Copy d:\temp\alucmdb to SNAPSHOTyyyymmdd\unused files
8. Copy d:\temp\log to SNAPSHOTyyyymmddd\log
9. Report all errors & warnings in one file (handiness)
   1. Findstr "ERROR" \*.\* > all\_error.log
   2. Findstr "WARN" \*.\* > all\_warnings.log
10. Check database tables
    1. mysql --skip-column-names -uroot -pMonitor1 < cim\_check\_tab.sql

**Upload SNAPSHOTddddmmyy to SVN**

How does validation work :

Loadsheet … maar vergeet niet dat validation.ci de sheet name moet zijn !!