**PROJECT REPORT**

**COMPANY NAME:** smith & nephews

**ETL TOOL:** INFORMATICA 10.2.0 HOTFLIX 1

**Production sever**: USATL\_SMAP\_PUL01

**Database used**: Oracle\_12.0

**Metadata** : USTAL\_SMDB\_PUL02

**Reporting Tool** : Cognos

**No. of wf & sessions** : 17 & 60

Sonar is application used to maintain details and track the product history and details. We are going to create DW for them. Production server has 1 repository service, 1 integration service, 1 node.

We source sys as flat file, SAP PR1, pilgrim. Mostly we use .cvs format for flat files. By using

SAP app we extract the files there are 3 approaches for file extraction BCI, BAPI, ABPI. Mostly we use bci approach . SAP has 2 data sources that is standard and custom. In linux we have SAMBA confi which drops file to our service at particular location, from that location we validate and extract the files. BCI uses Delta process for file extraction. There are 3 layers in this process.

1. Staging layer, in this layer we use SCD1 (only insert/update)

2. Integration layer, in this layer we use SCD2. For tracking the history we have 2 flags Y (valid record) & N(historic) all business scenarios are written in IL

3. 3. Dimension layer: sonar is built on star schema. It works like sed1. it has fact tables which contains the foreign keys of master tables(dimension table) and majors. Only active records are shown in fact tables. data in our tables is in IDOC format and we convert it to tabular format using IDOC interpreter.

We are creating MV’s for our business rep., 90% MV’s are same for all regions and we are refreshing them after particular time period. And at last we create report using cognos tool.