



IBM Software Group

IMS DLIModel Utility

Introduction and demo

An IBM Proof of Technology

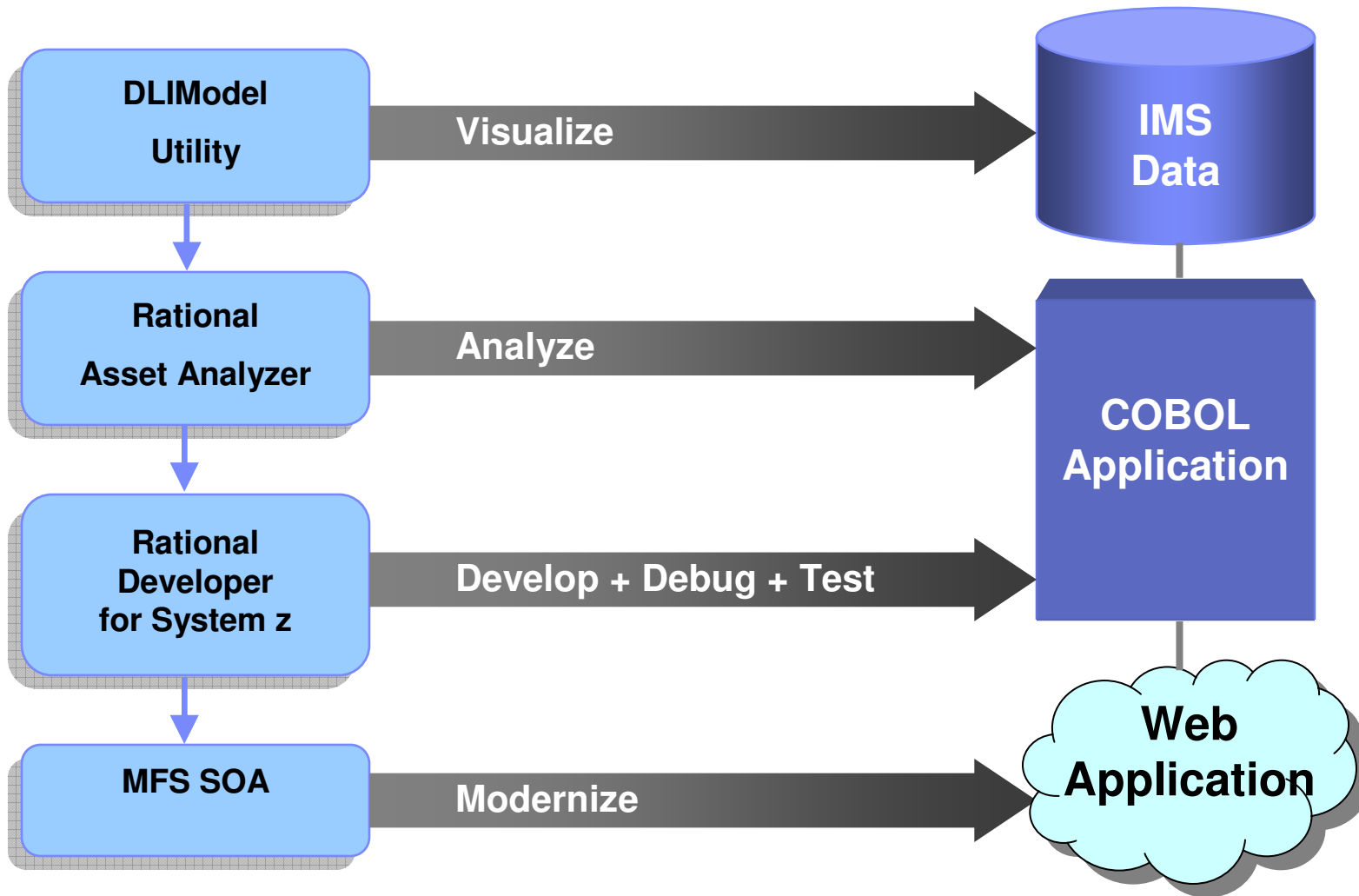
Powered by IMS Development at Silicon Valley Lab, California



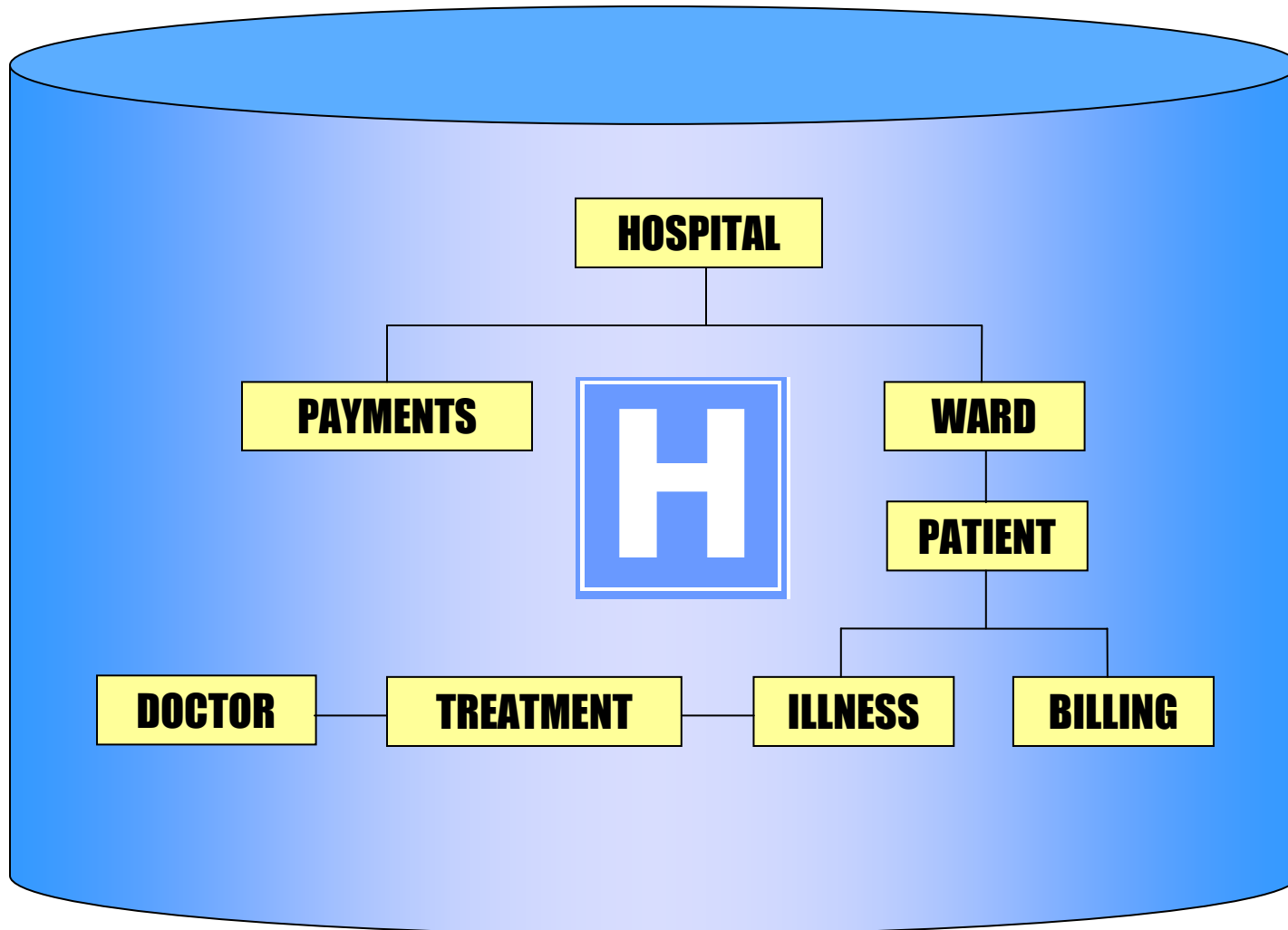
Application Development for IMS

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COBOL Application Development Workflow



Hospital Sample Database



Database Description (DBD)

```
SEGM      NAME=HOSPITAL,
          PARENT=0,
          BYTES= (16000,12100) ,
          RULES= (LLL, HERE)
FIELD NAME= (HOSPCODE, SEQ, U) ,
          START=3,
          BYTES=12,
          TYPE=C
FIELD NAME= (HOSPNAME) ,
          START=15,
          BYTES=17,
          TYPE=C
FIELD NAME= (HOSPNAMX) ,
          START=15982,
          BYTES=17,
          TYPE=C
FIELD NAME= (HOSPLL) ,
          START=1,
          BYTES=2,
          TYPE=X
SEGM      NAME=PAYMENTS,
          PARENT=HOSPITAL,
          BYTES= (900, 20) ,
          TYPE=SEQ,
          RULES= (LLL, FIRST)
```

...



Solution: DLIModel Utility

- A tool that offers a visual representation of IMS databases, simplifies IMS metadata generation, eases IMS Java and XML Database application development
- Introduced in IMS V8 (also retrofitted to IMS V7)
- Runs on the z/OS or as an Eclipse plugin from RDz
 - ▶ Starting with IMS V10 we will no longer ship z/OS version
- Available as a free download at:

<http://www-306.ibm.com/software/data/ims/toolkit/dlimodelutility>

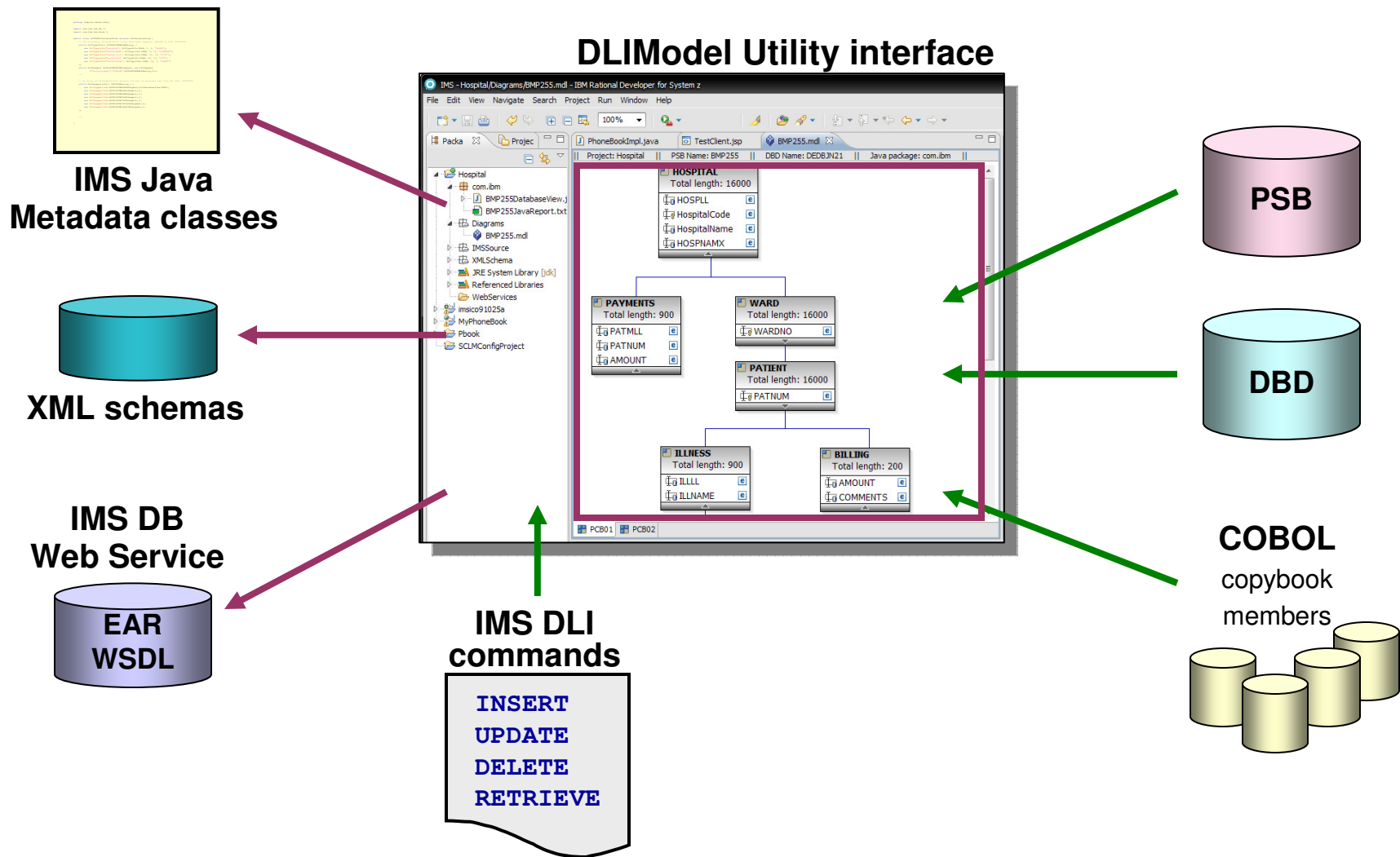


The DLIModel Utility GUI

- Features:
 - ▶ generate a layout report
 - designed to assist application programmers in understanding applications based on existing IMS database structures
 - ▶ transform IMS database information (PSBs, DBDs, and COBOL copybooks) into application independent metadata
 - ▶ generate XML schemas of IMS databases, which are used to retrieve or store XML data in IMS databases
 - ▶ generate database Web services



IMS DLIModel Utility



IMS SOA Solutions

