



Genero Report Writer

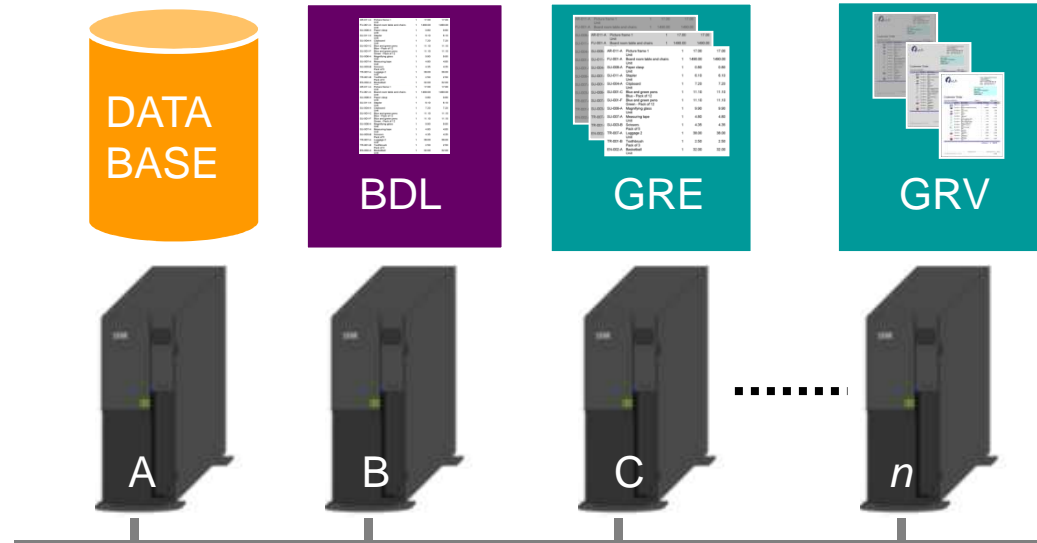
Business Reporting

➤ Streaming architecture

- “Print-as-you-go”
 - Rapid 1st, 2nd, 3rd... nth page delivery
- Very large reports
- Reduced resource consumption
 - Uses less disk space
 - Less memory

➤ Scalability

- N-Tier architecture
 - Database
 - Genero BDL (Data)
 - Genero Report Engine (Layouting, Server printing)
 - Genero Report Viewer (Preview/Print)
- Thin Client



➤ **Dynamic layouting**

- Rendering engine that computes the pages at runtime
- Adapts to different:
 - Fonts
 - Field values
 - Translations & localization
 - Paper sizes and orientation
- One report fits all

➤ Productivity & Maintenance

- Manage a large number of reports
- Share common report pieces in templates*
- Separation of report logic from presentation
 - Re-use of report data source (or subset) for multiple presentation
- Management of changes
 - Version Control friendly sources
 - Detection of data schema changes at design time

* Availability in GRW 2.0

Genero Report Writer

Architecture & Technology

Genero Report Writer



➤ GRW Architecture

Business
Development
Language
reports

```
DATA
DEFINE
  SECTION RECORD
  user RECORD LINE user,
  billcountrypcode LINE country.codebase,
  shipcountrypcode LINE country.codebase,
  lineitem RECORD LINE lineitem,
  product RECORD
  productid LINE product.productid,
  productname LINE product.productname,
  productdesc LINE product.productdesc,
  productcat LINE product.productcat,
  END RECORD,
  category RECORD LINE category,
  END RECORD,
  attid LINE item.attid,
  attid LINE item.attid,
  attid LINE item.attid,
  attid LINE item.attid,
  END RECORD,
  END RECORD,
  _format STRING,
  _action STRING
CODE WINDOW SCREEN
OPTIONAL INPUT MAP
CALL gen_reportoutput()
RETURNING _format, _action
END IF
CALL gen_reportoutput(_format, _action, "OrderReport.rpt")
```



Genero
Report
Designer
Templates



Database

SQL

RDBMS

DVM

Genero

XML

Datastream

GRE

Server

SVG
.pdf

Page Document

Genero Report Writer

Client

GRV

Intelligent Business Application Infrastructure

Q and A



GENERO®



GENERO®
studio



GENERO®
rw



GENERO®
db

Powered by
ANTs

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