

Got Big Data?

If it's Big, You Need:



- Rapidly unloads Oracle tables to flat files, using conditional and unconditional SQL SELECT queries.
- Optionally creates the extract's metadata for subsequent or simultaneous **transformations** (via CoSort) and **loads** (via Oracle's SQL* Loader).
- Data is quickly available for any purpose, including: **reorgs, transforms, pre-load sorting, migrations, delta and summary reporting, ETL, replications, testing, and masking.**
- Accelerates very large database (VLDB) reorgs, migrations, data warehouse ETL operations, BI, CDC, etc.



- Delivers parallel speed and a broad array of simultaneous data manipulation and management capabilities, including: **transformation, conversion, protection, and reporting.**
- Selects, sorts, joins, merges, re-maps, calculates, aggregates, sequences, encrypts, and reformats huge volumes of disparate sequential data, often in one I/O pass and job script.
- Provides a variety of drop-in replacements and conversion routines for third-party sort verbs and parameters.
- Used for: **mainframe sort and data migration projects, data warehouse ETL operations, database reorgs, business intelligence needs, compliance with privacy regulations, and application development.**
- Upgrades sort performance without changing existing applications.

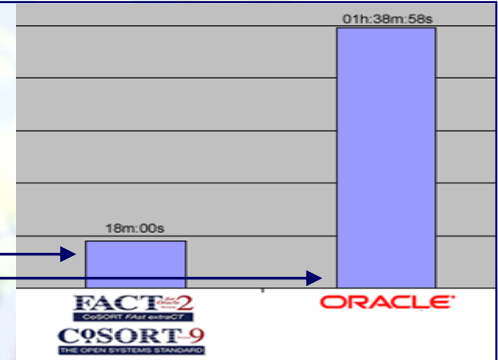
Oracle ETL Benchmark

Basic extract-transform-load (ETL) example that compares CoSort FACT / SortCL / sqlldr against Oracle SQL*Plus insert into (select *...order by).

Source File: ~ 50,000,000
50-byte rows (2.32 GB), sorted on 1 key.

CoSort ETL: **18m:00s**
Oracle SQL*Plus: **98m:58s**

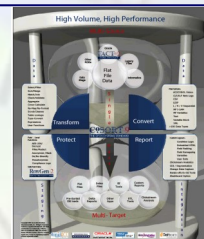
Configuration: ia64 hp server rx5670
4x1ghz Itanium2 CPUs, 32GB RAM
HP-UX B.11.23, Oracle 9i



- Safe, high-volume test data synthesizer, supporting multiple file formats and data types.
- Allows you to: **build, transform, format, and hand off realistic files and table data with referential integrity** — using the RapidACE GUI or explicit job scripts you can customize.
- Used to: **develop and test applications, benchmark new hardware and software, share file and report formats, and populate test databases.**
- Fast and flexible for range testing and transforming test data for prototypes and bulk loads.
- Leverages the metadata and repository structures of your DDL models, CoSort, FACT, and the tools supported by the Meta Integration Model Bridge (MIMB).

▲ ▲ Please see reverse for schematic ▼ ▼

- ▶ Fast ExtraCT (FACT) speeds Oracle table unloads.
- ▶ FACT simultaneously produces CoSort and Oracle SQL*Loader metadata.
- ▶ CoSort engine performs multiple transformations including pre-load sorts, and produces multiple targets — all in one job script and I/O pass.
- ▶ Pre-sorted files speed bulk loads into SQL*Loader.
- ▶ CoSort can simultaneously segment and report to multiple targets and formats, with CDC (delta), detail and summary information, and protect data at risk at the field level.
- ▶ Use RowGen to synthesize test data for database population, application development and stress testing, outsourcing, benchmarking, etc.



1.800.333.SORT

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High Volume, High Performance

Multi-Source

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Oracle
FACT for Oracle
Version 2
CoSort FASt extraCT

Other RDBs

Legacy Files

Data Stage

Flat File Data

Informatica

- Select/Filter
- Sort/Merge
- Match/Join
- Check/Validate
- Aggregate
- Cross-Calculate
- Re-Map/Re-Format
- Scrub/Cleanse
- Table Lookups
- Type-Convert
- Expressions
- User Functions

Transform

- **File Formats:**
 - ACUCOBOL Vision
 - CLF/ELF Web Logs
 - CSV
 - LDIF
 - L / R / V Sequential
 - MF I-SAM
 - MF Variables
 - Text
 - Variable Block
 - XML
- >100 Data Types

Convert

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COSORT Revision 9
THE OPEN SYSTEMS STANDARD

- **Field-Level Functions:**
 - AES-256/Decrypt
 - Filter/Redact
 - Anonymize /Mask
 - De/Re-Identify
 - Pseudonymize
- **XML Audit (Compliance) Logs**
- **Safe Test Data:**

Protect

- **Custom Layouts:**
 - Condition Logic
 - Embedded HTML
 - Field Padding
 - Field Remapping
 - Variables
 - User Exits
- Clickstream Analytics
- CDI / Segmentation
- Change Data Capture
- Hands-offs for BI Tools
- iDashboard Option

Report

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RowGen Version 2
Safe Test Data in Real Formats

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Flat Files

Index Files

BI Tools

Custom Reports

Pre-Sorted DB loads

Delta Reports

Other Apps

ETL Tools

Clickstream Analysis

Multi-Target