



CONNX SOLUTIONS For OpenVMS

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CONNX Group - Software AG



AGENDA FOR TODAY'S PRESENTATION

- Overview
- CONNX Products
- CONNX Data Access for RMS, Rdb, DBMS & more
- CONNX Data Virtualization for RMS, Rdb, DBMS
- CONNX Data Replication for RMS, Rdb, DBMS
- Q&A

WHO IS CONNX

Founded in 1989

Started to allow access to
non-accessible data
sources



SEATTLE, WA

150+ DBs/Platforms
SUPPORTED

DATA ACCESS

REPLICATION + MIGRATION
INTEGRATION + VIRTUALIZATION



3200+
CUSTOMERS & USERS
WORLDWIDE

Partner of Software
AG since

2004

CO-DEVELOPED

ADABAS
SQL GATEWAY &

EVENT REPLICATOR
FOR ADABAS ON LUW

SOLUTIONS

Acquired by Software AG
in 2016 for Data Integration



OPENVMS AND CONNX OVERVIEW

- CONNX has worked with over 7700 OpenVMS Customers over the past 20 Years
- Today we have approximately 3000 installations
- With over 900 installations on maintenance
- Examples of Current RMS Customers:
- ADL Systems, Aetna, GE, Icicle Seafood's, Karmak, Kids Peace, Miller Coors, Toys R US (Canada), Travel Centers,
- Over 120 Higher Educational Institutions like MSU,
- A large number of State and Local Governments, Government of British Columbia, State of HI, St of CT, St of New Jersey

CONNEX SOLUTIONS CUSTOMERS





GENERIX – CONNX PARTNERSHIP:

- Partnership: Generix our European partner for over 23 years.
- They have always had a strong working relationship with OpenVMS customers requiring application modernization and integration.
- Generix have worked with customers using OpenVMS since the days of DEC, Compaq, HP, HPE and now VSI.
- They continue to Work with customers who have decided to stay with OpenVMS to enhance and integrate their applications to achieve additional business benefits.
- (In for the long haul)

EXTEND OpenVMS WITH DATA ACCESS, VIRTUALIZATION, REPLICATION, AND MOBILE

DataSync

Near real-time, low-latency,
Change Data Capture

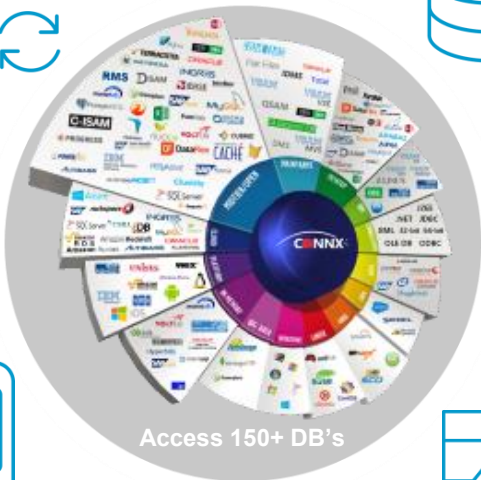


InstantdbSync

Real-time Replication,
Synchronization & CDC

KPiSync

Visualize key business
metrics on any device in
real-time



Access 150+ DB's

InfoNaut CONNX Add-on Pro for Excel

Simple reporting to all
data sources with Excel



CONNx dB SUPPORT

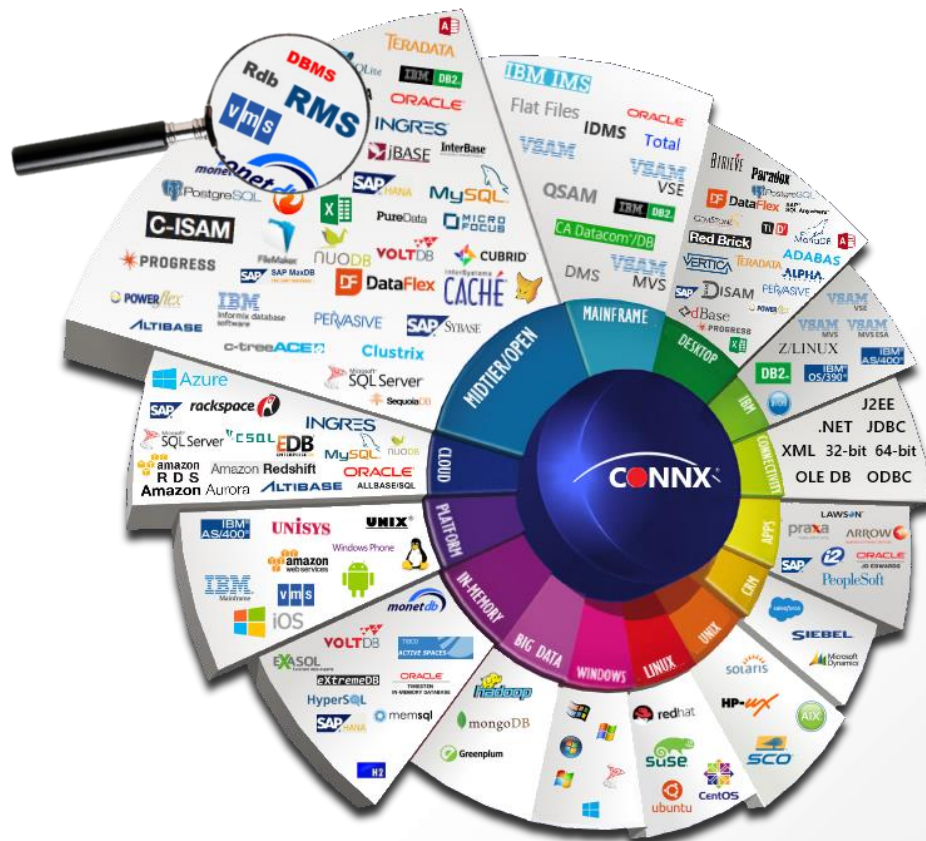
☐ MAINFRAME

☐ DESKTOP/CLOUD

☐ MIDTHIER/OPEN

☐ IN-MEMORY/BIG DATA

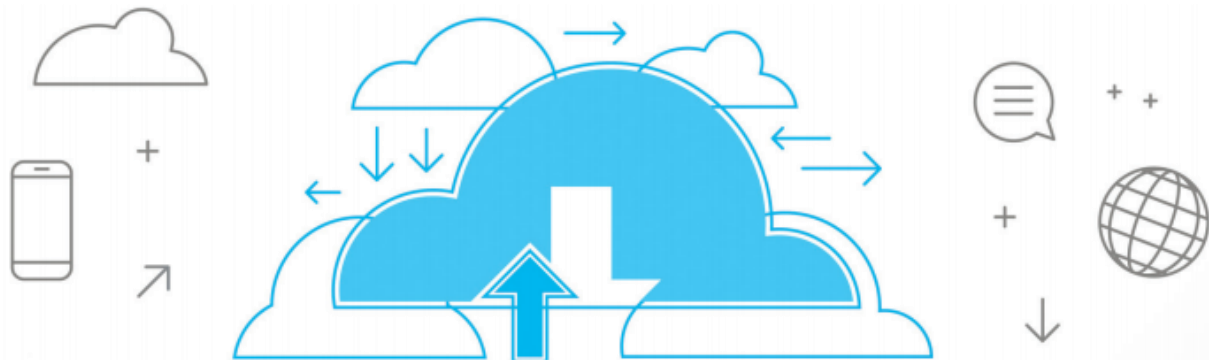
☐ OS/CRM/APPS



CONN DB ADAPTER

Simplified SQL data access to more than 150 data sources:

- Adabas
- Amazon®
- Azure®
- C-ISAM®
- DataFlex®
- Hadoop®
- IBM DB2®
- IMS™
- Informix®
- Oracle®
- Rdb
- RMS
- SAP HANA®
- SQL Server®
- VSAM™
- And more

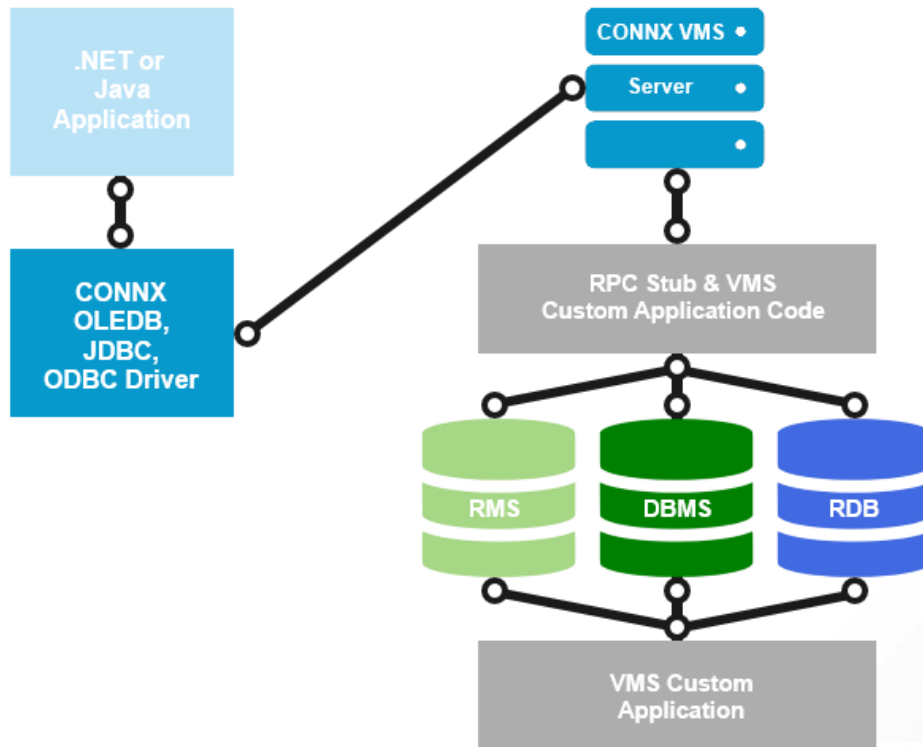


Unlock enterprise data wherever it resides, and use it in real time

- Make better decisions by leveraging all of your data
- Respond faster with access to real-time data
- Avoid costs of data replication and consolidation
- Experience fewer data errors
- Put less stress on source systems workload

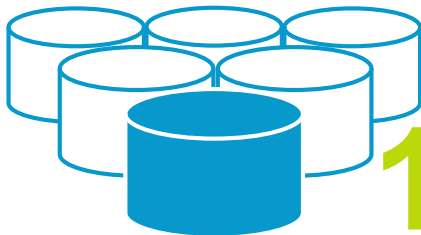
CONN RPC SOLUTION

Reuse Existing OpenVMS Business Logic



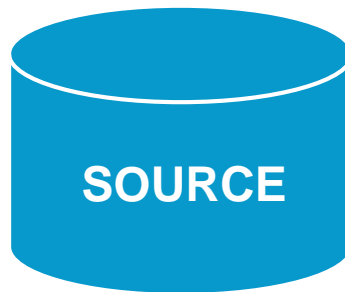
DATASYNC

Change Data Capture
And Replication

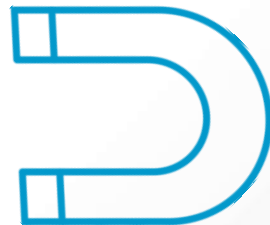


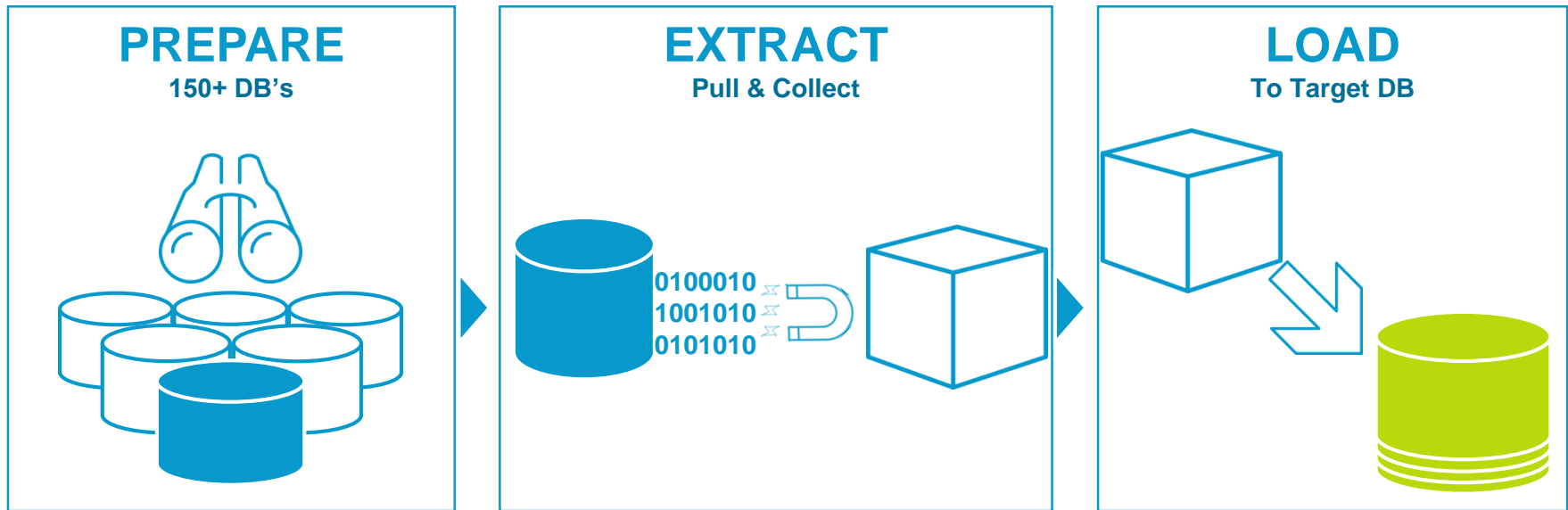
150+

**Near Real-Time
ETL**

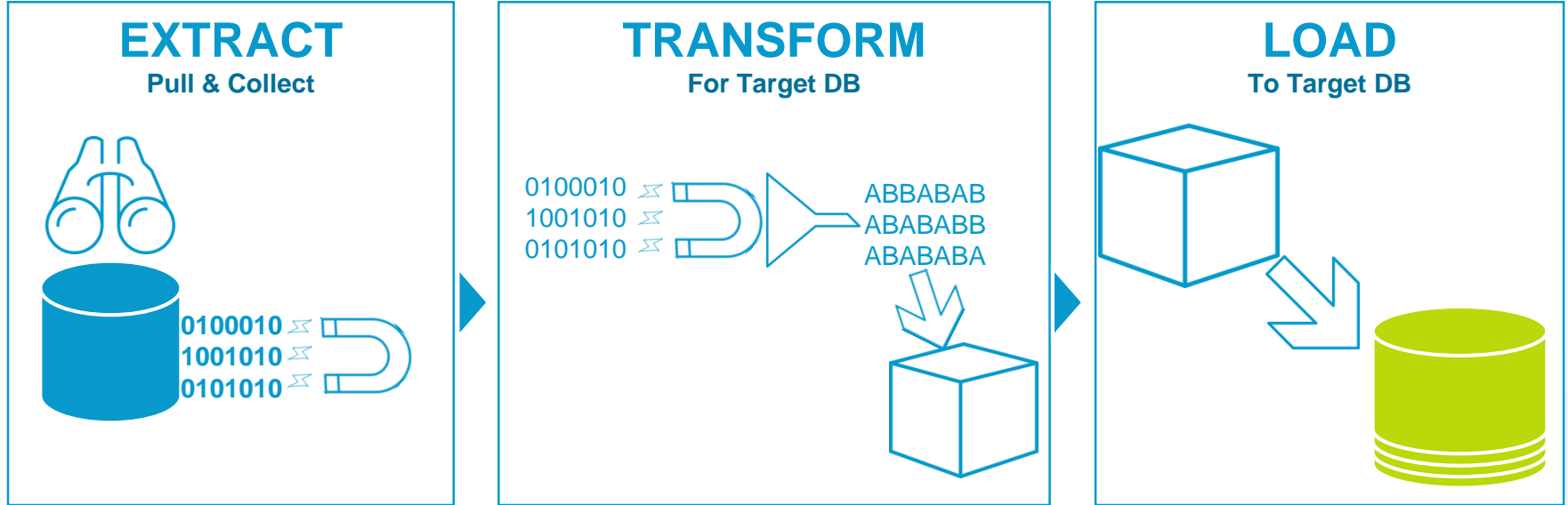


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DATASYNC TRANSFORMATION



ADD-ON FOR SSIS



1

Configure SSIS packages that run the queries to retrieve the change data



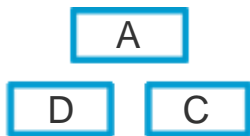
2

Determine how often to query for asynchronous capture of source data



3

Retrieve the changed data from the changed tables



4

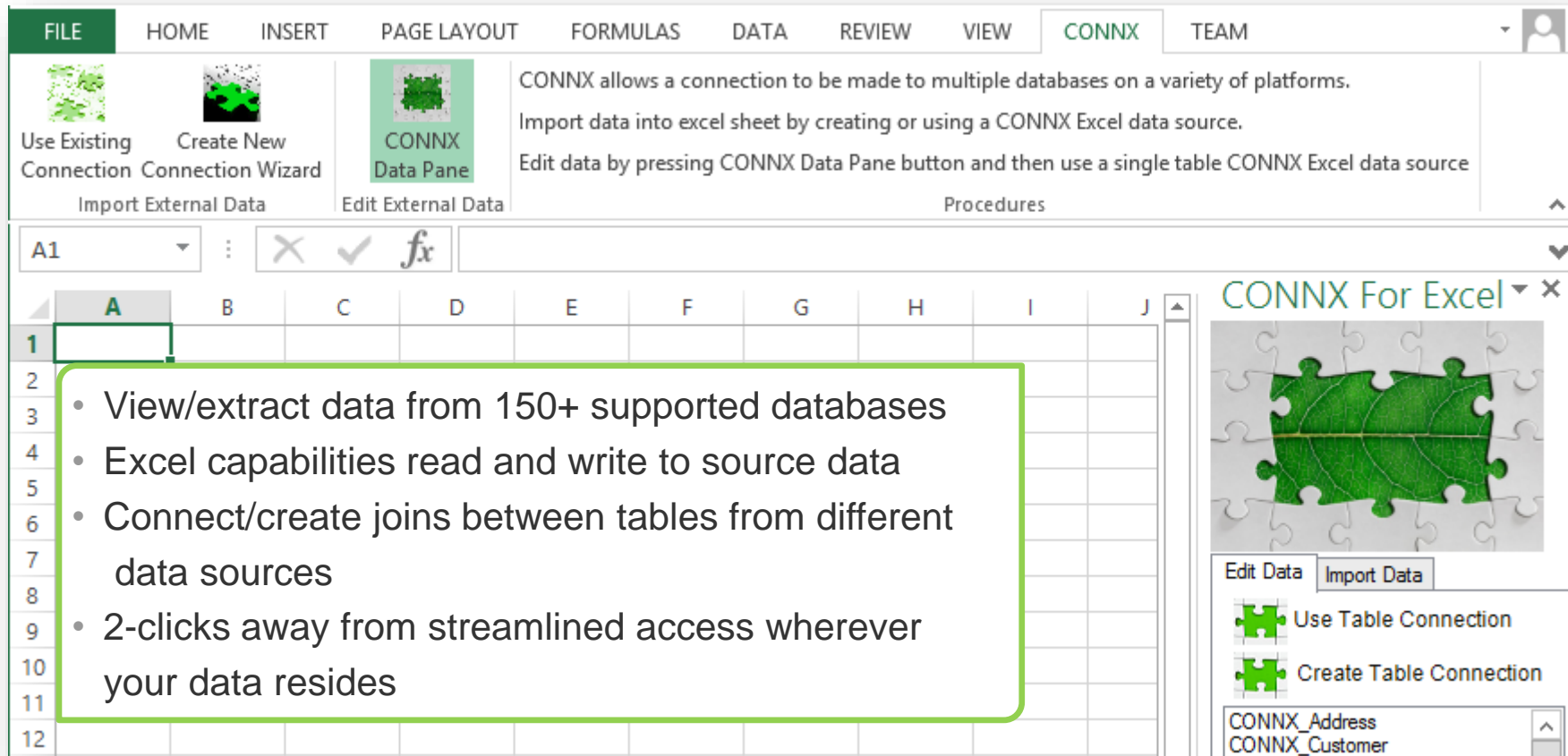
The file is split into inserts, updates, and deletes for processing



5

The changes are applied to the destination SQL Server Table

ADD-ON PRO FOR EXCEL



The screenshot displays the Microsoft Excel ribbon with the **CONNX** tab selected. The ribbon includes buttons for 'Use Existing Connection', 'Create New Connection Wizard', and 'CONNX Data Pane'. A text box explains that CONNX allows connections to multiple databases and provides instructions on how to import and edit data.

A green-bordered box highlights the following features:

- View/extract data from 150+ supported databases
- Excel capabilities read and write to source data
- Connect/create joins between tables from different data sources
- 2-clicks away from streamlined access wherever your data resides

The right sidebar, titled 'CONNX For Excel', contains a puzzle-piece icon and two buttons: 'Edit Data' and 'Import Data'. Below these are two options with green puzzle-piece icons: 'Use Table Connection' and 'Create Table Connection'. At the bottom, there are input fields for 'CONNX_Address' and 'CONNX_Customer'.

INFONAUT

Build & Manage Queries & Reports

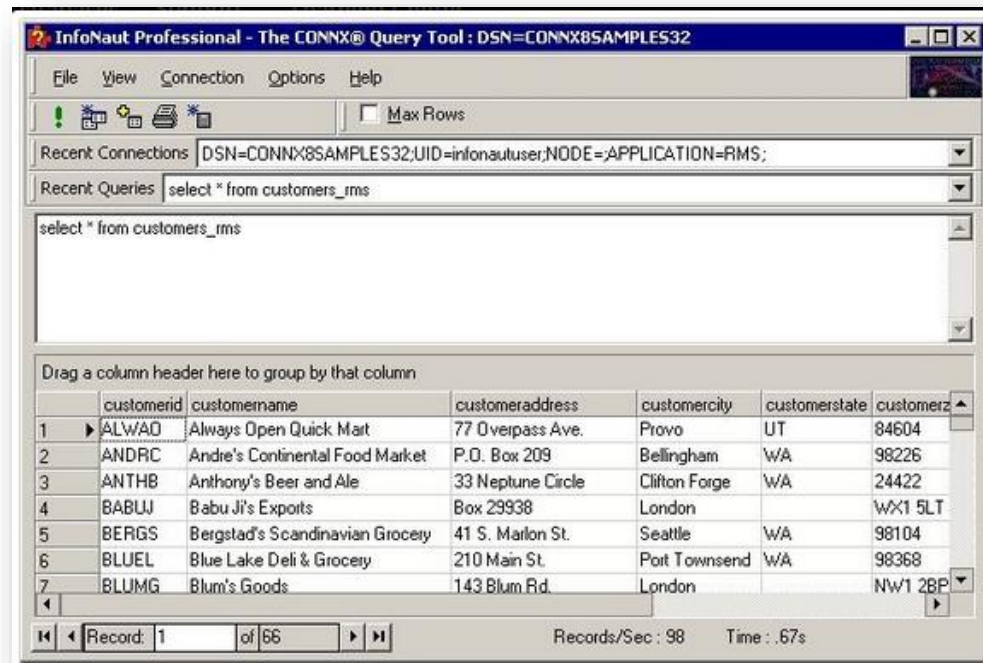


File Formats

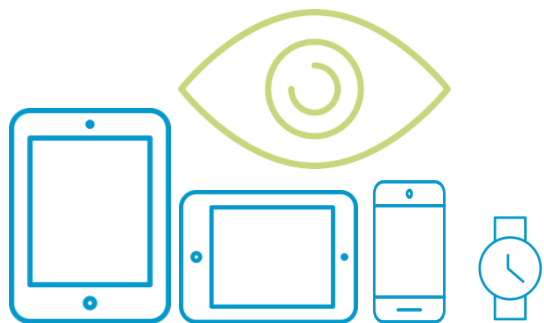


XML®, **Excel**,
 Microsoft Query®,
 HTML, ASP, CSV,
 SQL and TXT.

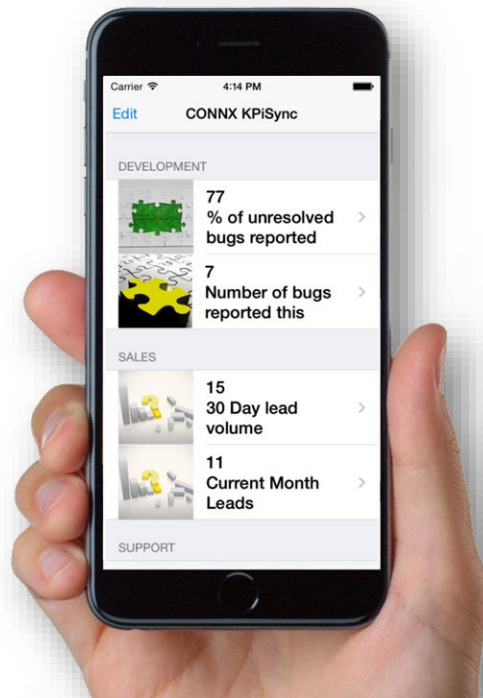
SQL Statement Builder



Visualize Key Metrics



On Any Device



EXTEND OpenVMS WITH DATA VIRTUALIZATION TO BIG DATA AND CLOUD DATA SOURCES

Homewood Community Partnership Initiative
COMMERCIAL/RETAIL DEVELOPMENT

Employees/Sales by Sector: Select Sales / Employees, Number of Employees, Sales Volume

Building Permits Above \$10k: Select Year: 2014

Commercial Square Footage: 5000K, 4000K

Commercial Establishments: Arts, Entertainment, Recreation, Education, Health Care & Public Admin, Finance, Info, Professional & Tech, Retail, Repair, Wholesale & Trade

Info: Professional & Tech

Recent Queries: SELECT * FROM VSAM.DBO.CUSTOMERS_VSAM

SELECT * FROM VSAM.DBO.CUSTOMERS_VSAM

Drag a column header here to group by that column

CUSTOMERID	CUSTOMERNAME	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	CUSTOMERZIP	CUSTOMERCOUNTRY
1	ANDRIC	Anthony's Corner Market	Baltimore	MD	21201	USA
2	ANDRIC	Anthony's Corner Market	Baltimore	MD	21201	USA
3	ANDRIC	Anthony's Corner Market	Baltimore	MD	21201	USA
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Records/Sec: 100 Time: 0.4470535

Logos: Access, Visual FoxPro, MICRO FOCUS, PureData, TIBCO, ADABAS, DataFlex, GEMSTONE, monetdb, R-BASE, ORACLE, ALTIBASE, IBM DB2, Greenplum, Apache Derby, dBase, Netezza, MySQL, SAP HANA, VERTICA, IBM AS/400, DISAM, IBM U2, nuodb, PERVASIVE, SequoiaDB, VOLTDB, Btrieve, EDB, IBM IMS, ObjectStore, SAP SQL Anywhere, Microsoft SQL Server, C-ISAM, Excel, IBM Informix database software, PostgreSQL, TERRACOTTA, SAP SYBASE, CACHE, Ingres, Progress, H2, SHARE BASE, SQLite, Clustrix, FileMaker, InterBase, POWERflex, TERADATA, c-treeACE, Firebird, jBASE, CUBRID, SAP MaxDB.

CONNX ASSISTED EVALUATION PROGRAM

- We are very confident on the ability of CONNX and are happy to discuss an evaluation with you.
- Prove how you can use CONNX to enhance investments in your existing applications and enterprise data on OpenVMS to keep your systems evolving to meet your current and future needs.
- Contact Anthony Lightfoot or Leonard Klejnow at Generix Limited
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DB ADAPTER ARCHITECTURE

