ROUND TABLE:
A Deeper Dive- Legacy Application Strategy

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UnitedHealth Group

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Medtronic

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IT Program Manager
Medtronic

Agenda

- Introductions
- Round Table Format (not a set order)
  - Technology
  - Process
  - People
  - Costs / Funding
- Interactive questions from you

Standard(ish) Decommission Process

- IT / Business identifies systems to be retired/replaced
- IT/Business Analyst summarizes application purpose, data types, date ranges of data housed in system
- Proposed solution for decommissioned data is determined based on Business needs.

Decommission Process…Cont’d

- Costs and ROI are determined / Funding is secured
- Prior to starting proposed decomm. the application and solution chosen presented to Legal/Compliance
- Once approved by Legal Compliance Decomission is green lighted.
- Decommission takes place

Technology

- Extraction Tool - ETL
- Archive Tool / Location - to place the data
- Chain of Custody tracking regarding data migration
- Customer Testing for functionality

Process

- Workflow Tool for Tracking Process
- Chain of Custody tracking regarding data migration
- Customer Testing for functionality

People

- IT Resources
- Business Application SME’s
- Legal / Compliance

Cost$ and Fuding

- ETL Tools
- Archive Tools
- Program Managers
- IT Resources
  - Perform Decomm.Work
  - Rebuild Functionality in Archive
- HOW – Program / Project (Chargeback)

Archiving 2.0 – The New Tools

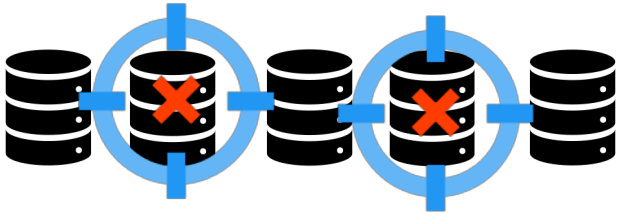
- Select Data Before Ingesting
- Automatically Rebuild Relationships
- Automatically Rebuild the Screens
- Automatically Rebuild the Reports

Empowering organizations to modernize through app migration, archiving and decommissioning

Patrick Benson

ARCHIVE LANDSCAPE

Legacy Applications (read only)



Analysis of data, Data Context and Relationships, Chain of extraction, Chain of custody.

Shut down applications & infrastructure

Ensure compliance

Production Applications (Active Archive)

Secure data & content

Manage data growth, optimize infrastructure
Ensure compliance

ARCHON
PLATFORM3 SOLUTIONS

InfoArchive

Archive, Security, Governance, Retention and disposition

Feed new applications

Feed Big Data Environments

Extend to users

Auditors, Legal and Records

PLATFORM3 SOLUTIONS

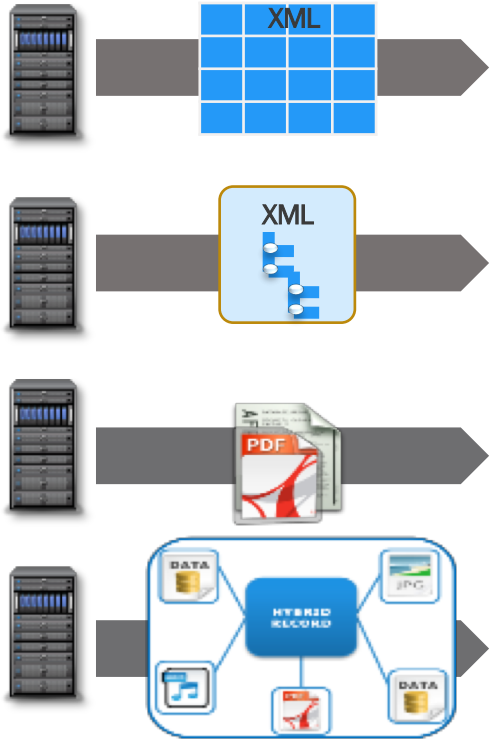
All Angles Covered

TABLE ARCHIVING
- Ideal for application decommissioning of structured data applications

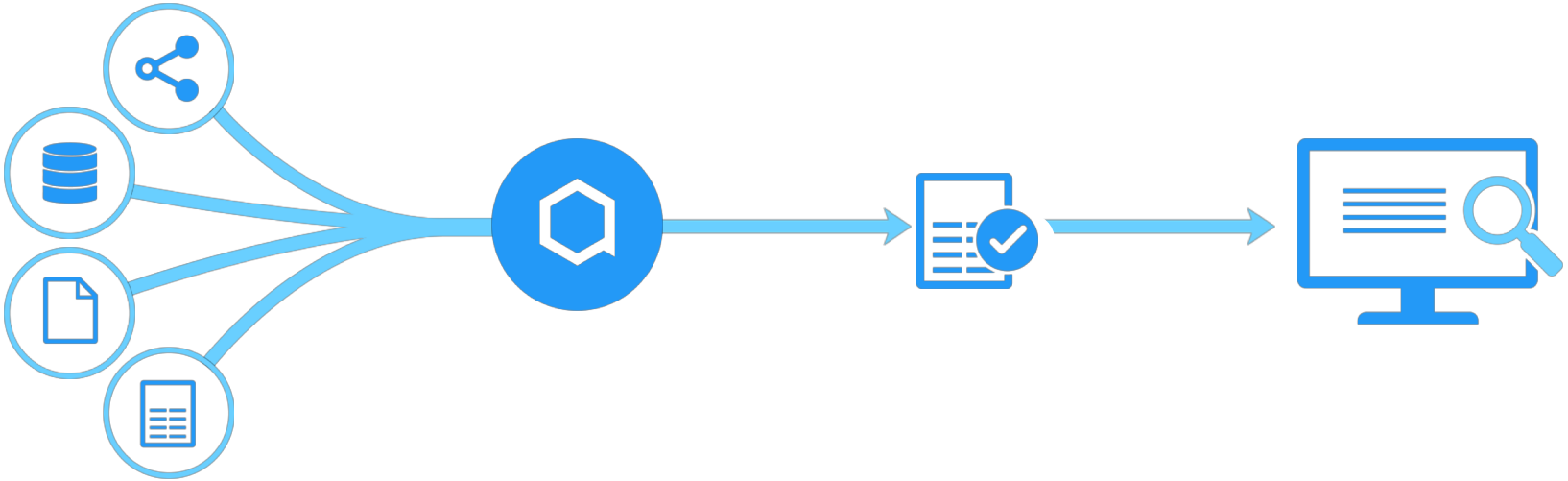
DATA RECORD ARCHIVING (SIP)
- Presents data as single records so ideal for compliant archiving

FILE ARCHIVING (SIP)
- Enables archiving of unstructured content/files such as print streams

HYBRID RECORD ARCHIVING (SIP)
- Binds unstructured content & structured data in a single record
- Ideal for complex business records and collaborative applications



THE P3 Archon PROCESS



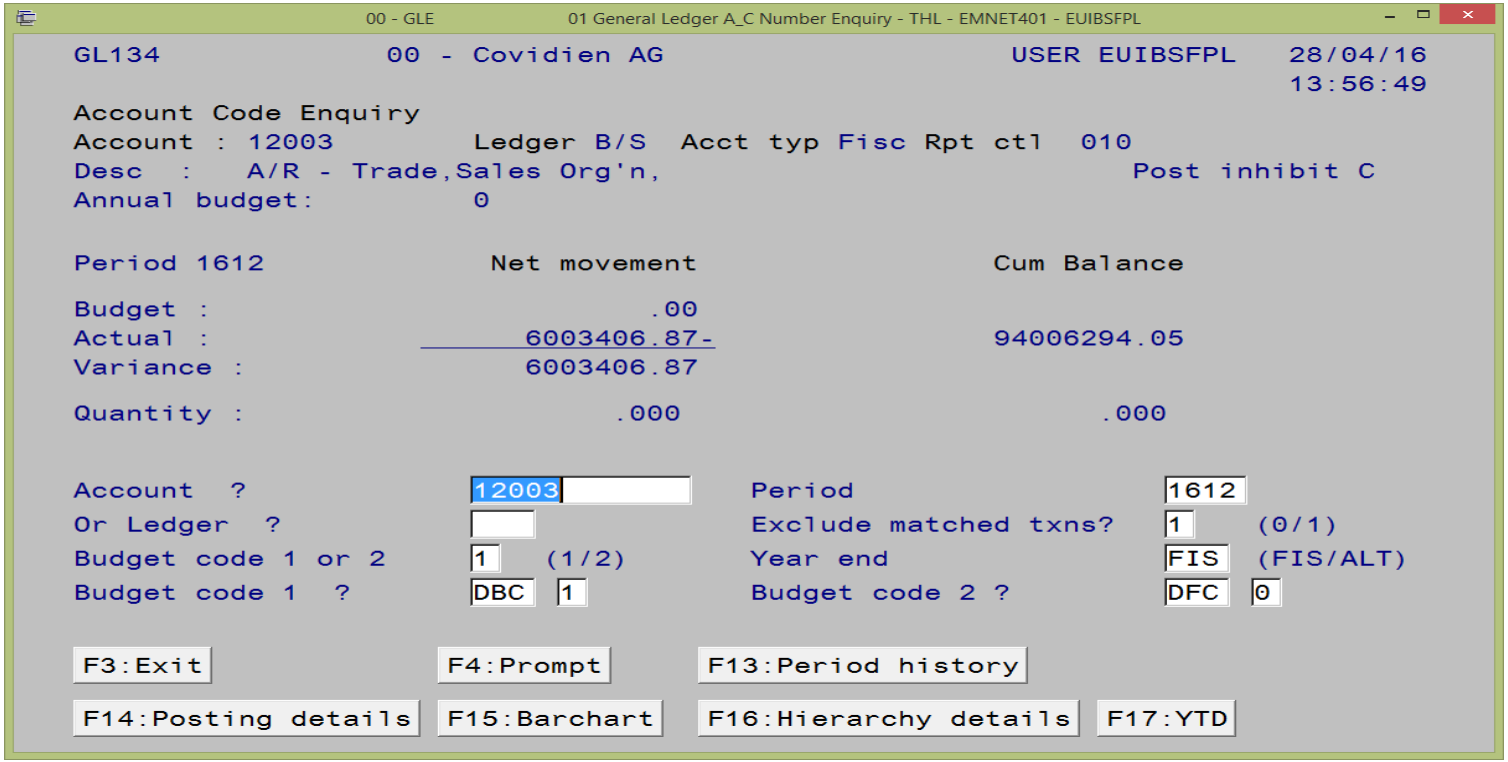
PRE-BUILT ADAPTORS

DATA ANALISYS AND ENHANCEMENT

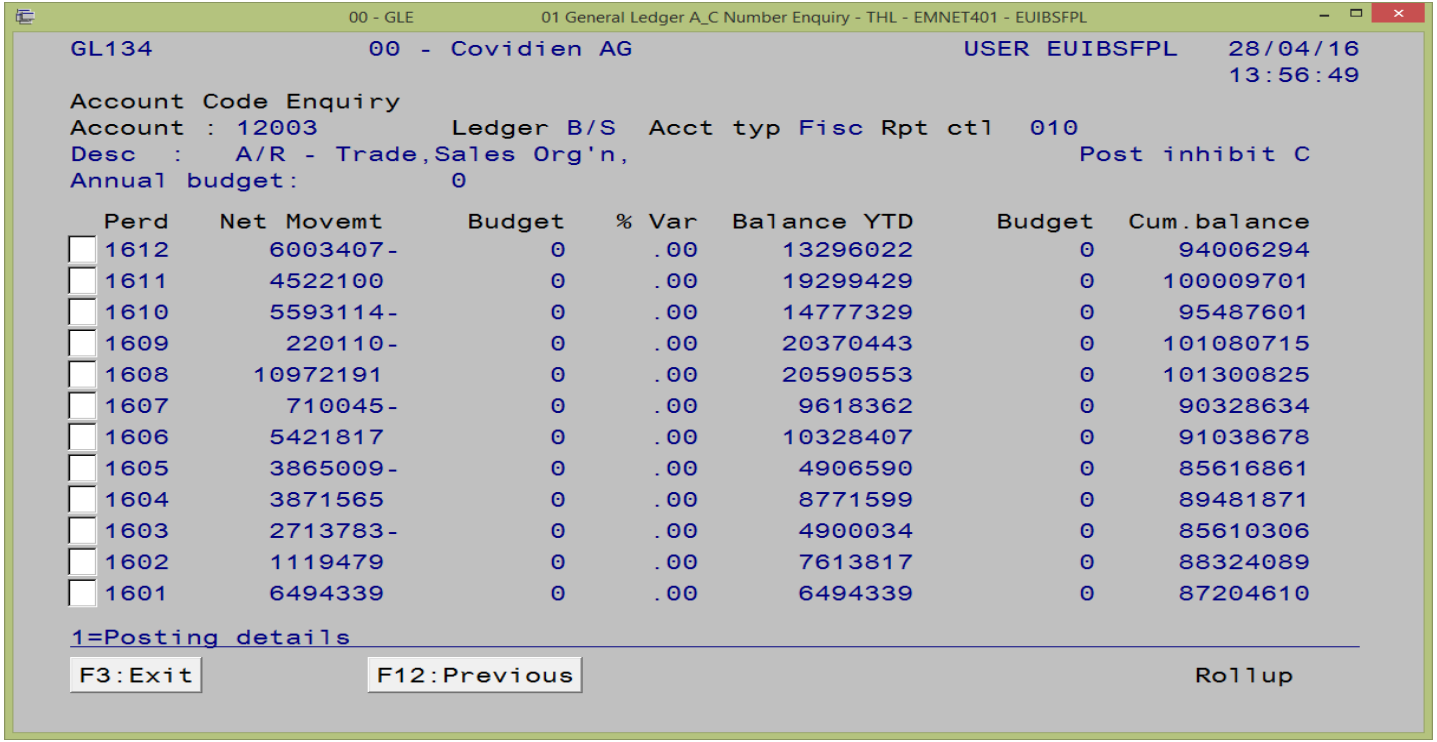
DATA VALIDATIONS

INFOARCHIVE SCREENS

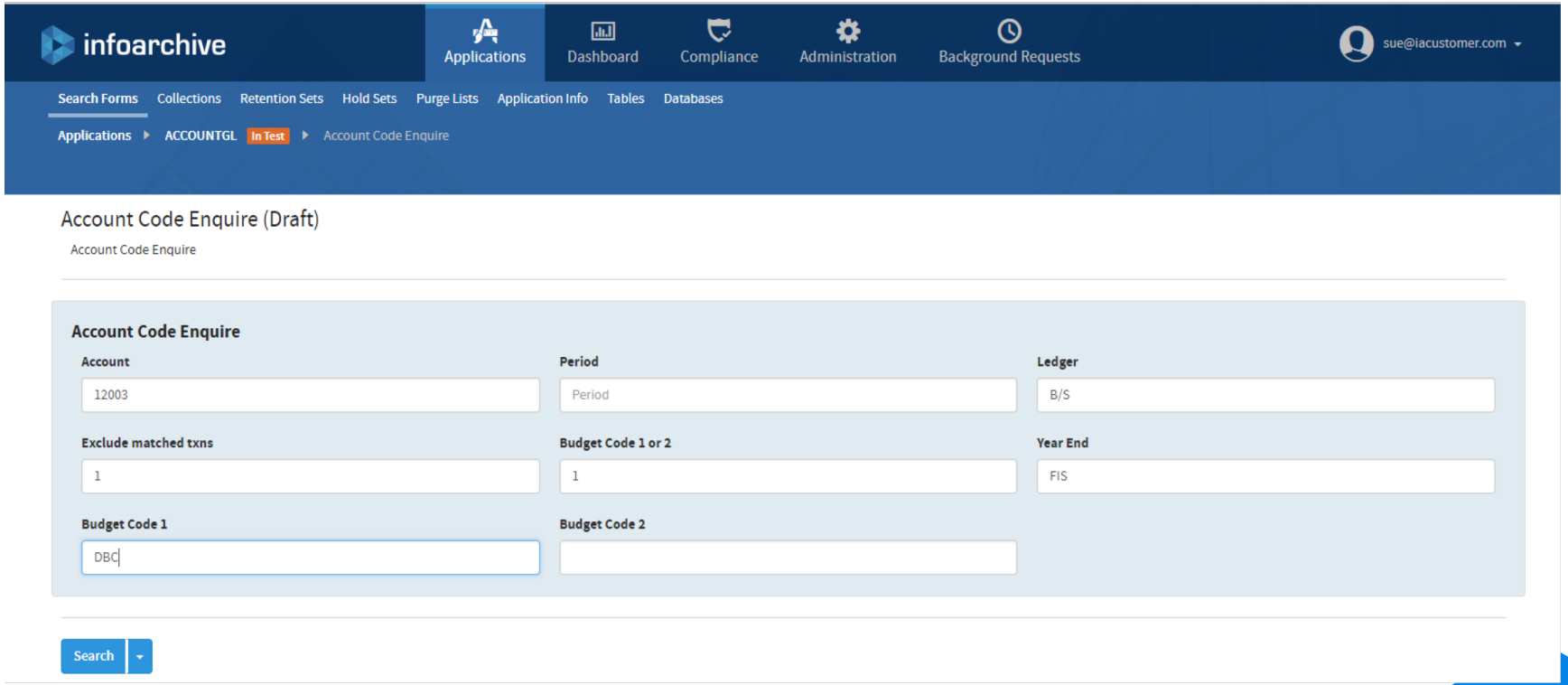
GL Account Enquiry
Legacy AS400 - Search



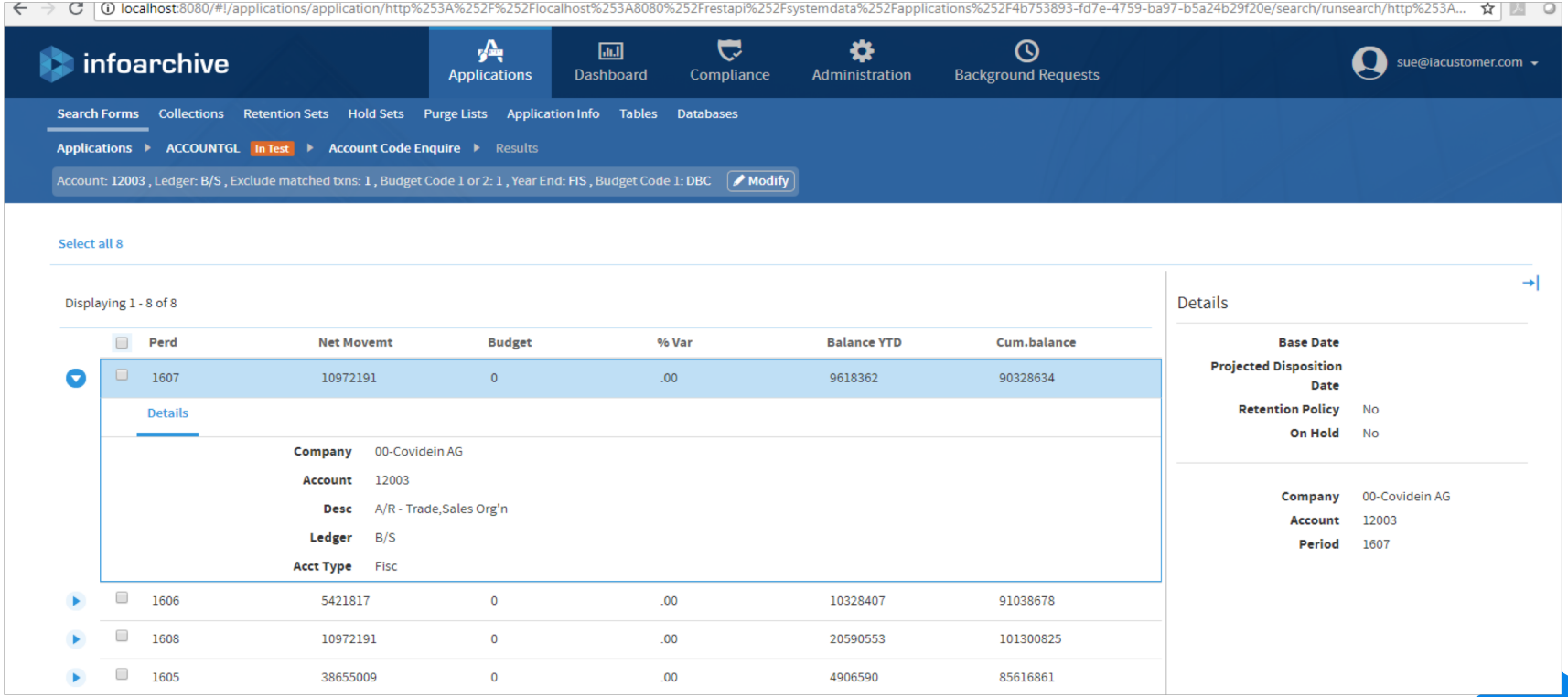
Legacy AS400 Results Screen



InfoArchive Search of AS400 Archive



Search Results



Records management and legal holds

Retention

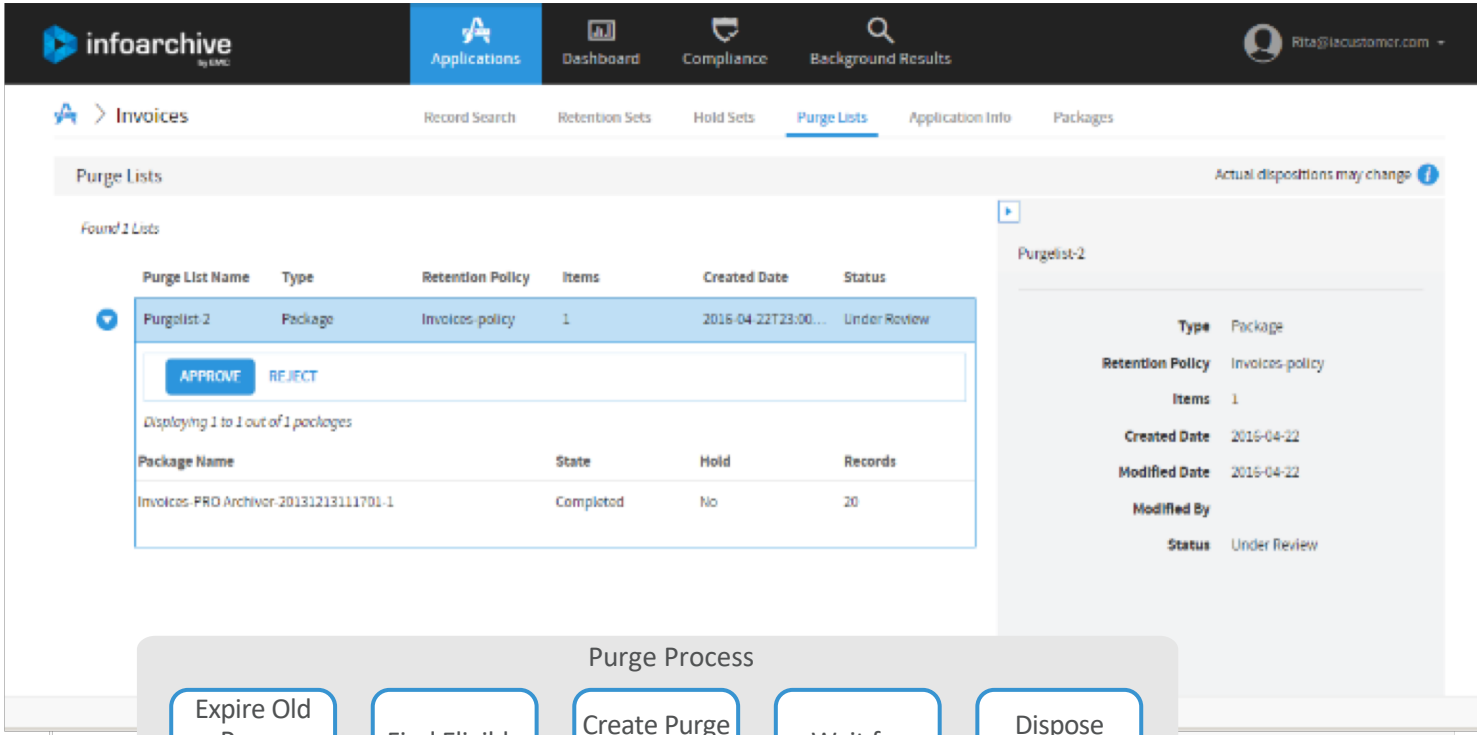
- Fixed
- Duration
- Event
- Mixed

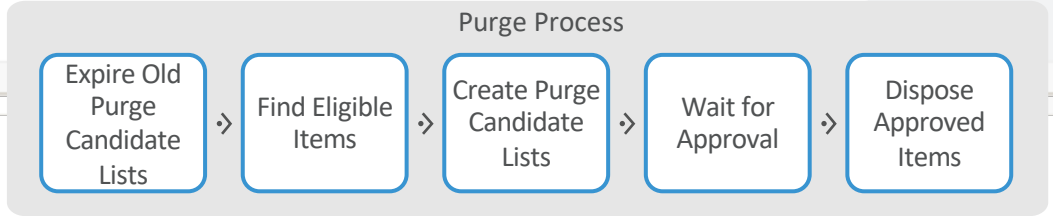
Legal Hold

- Legal
- Permanent
- Overrides Retention

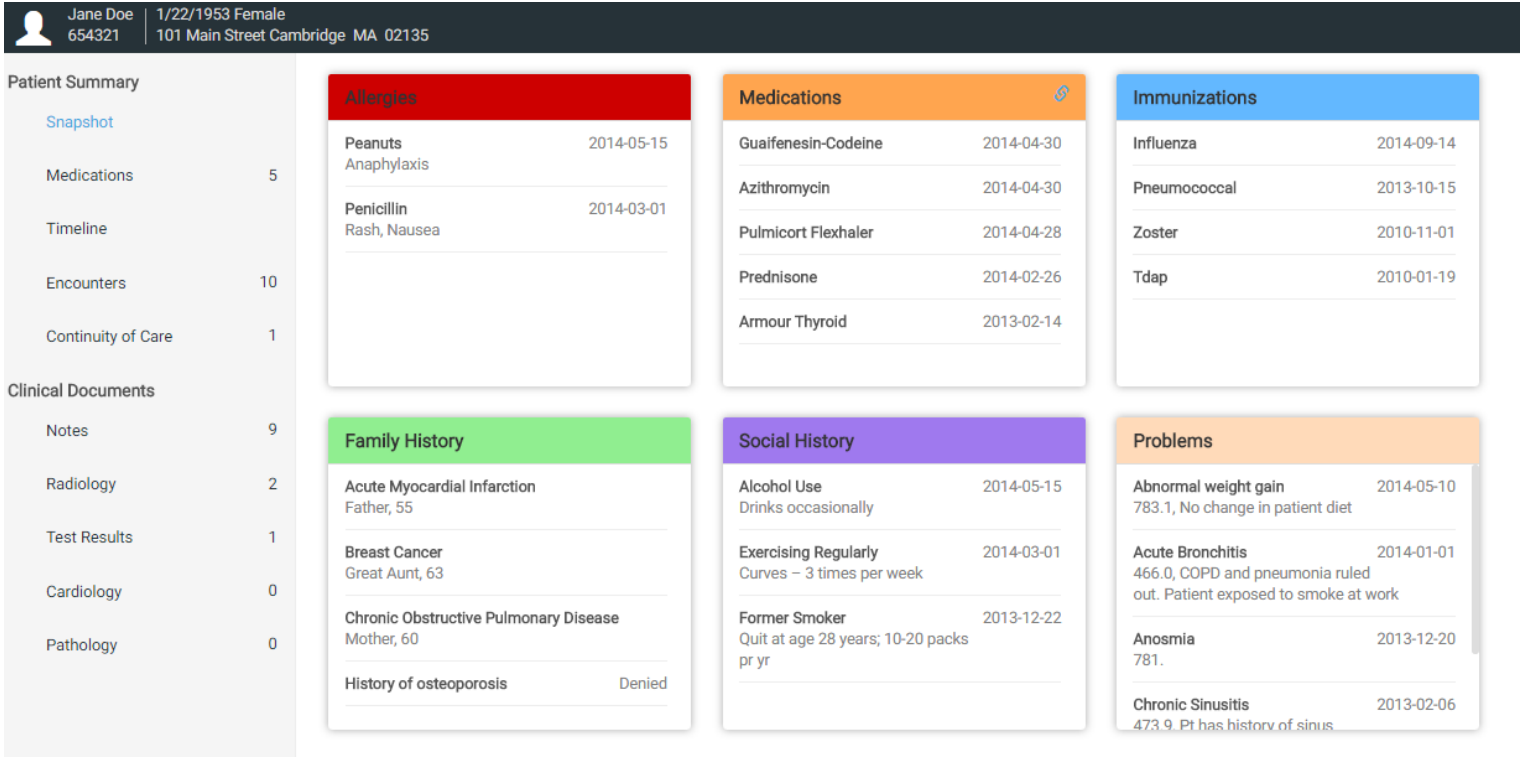
Purge list

- Approval Process
- Longest Retention Wins
- Destroy All

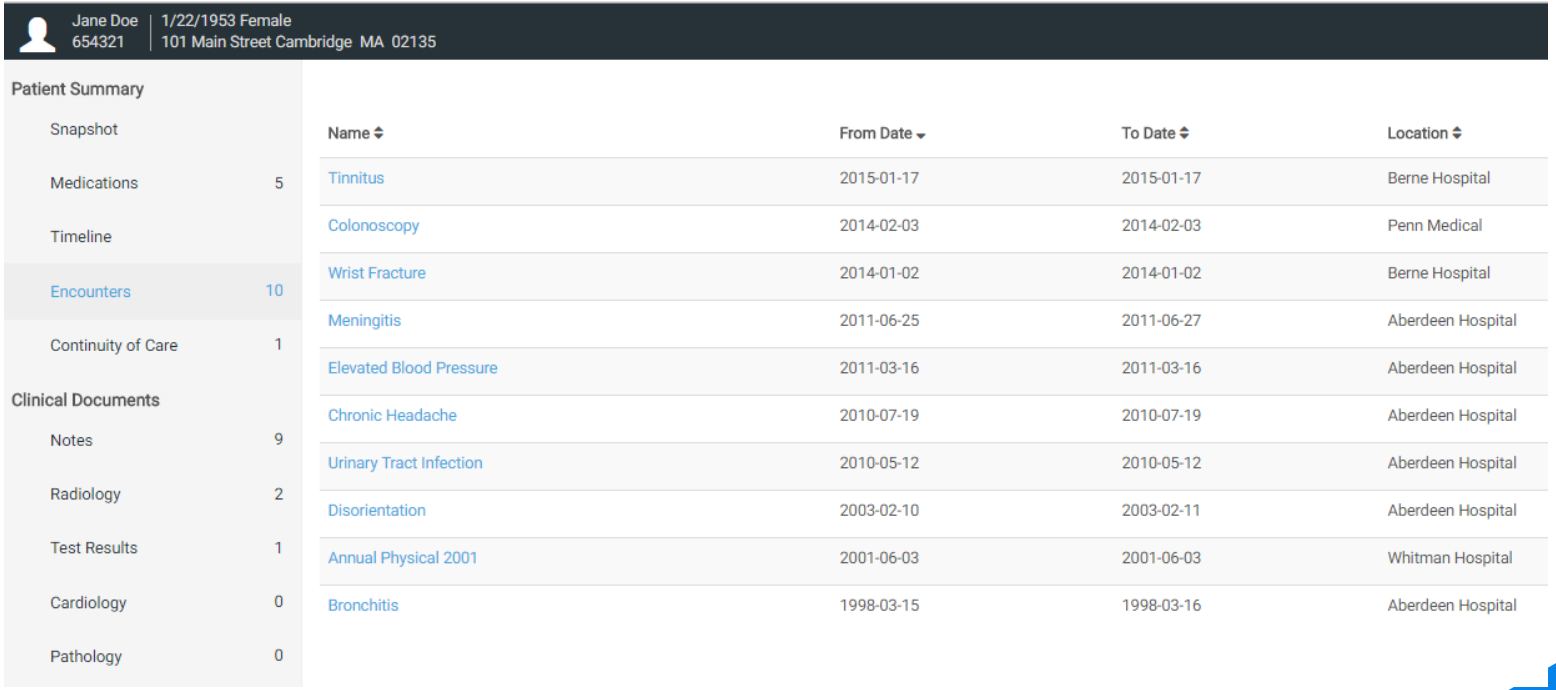




Views- Clinical Dashboard



Patient Encounters



Patient Encounter Drill Down

Encounters > Meningitis 2011-06-25 - 2011-06-27

Title ▲	Type ⇕	Date ⇕	Location ⇕	Provider ⇕
Blood Test	Test Results	2011-06-25	Aberdeen	C. Nelson
MRI Study Results	Radiology	2011-06-26	Aberdeen	F. Hsu
Procedure Notes	Notes	2011-06-27	Aberdeen Hospital	B. Chan

Procedure Notes

Procedure Notes

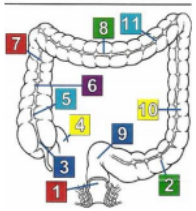
Private and confidential

~ Penn Medicine

Patient Name:	Jane Doe	**Procedure Date:**	*2/10/201410:00* AM
MRN:	654321	**Date of Birth:**	*2/13/1964*
Admit Type:	Ambulatory	**Age:**	52
Room:	Room B	**Note Status:**	Finalized
Attending MD:	Ferden A. Noones*, MD	**Instrument Name:**	CF-HQ1-190L-211

Procedure: Colonoscopy
Indications: Surveillance: Personal history of adenomatous polyps on last colonoscopy 5 years ago
Providers: Ferden A. Noones*, MD, Sam G. Graham, Technician (Technician), Amy Hardly (Anesthesia Staff)
Referring MD: Robert Campus, MD
(Referring MD)
Requesting Provider:
Medicines: Propofol 1 pct IV 200 mgs
Complications: No immediate complications. Estimated blood loss: Minimal.

Procedure: After I obtained informed consent, the scope was passed under direct vision. Throughout the procedure, the patient's blood pressure, pulse, and oxygen saturations were monitored continuously. The Colonoscope was introduced through the anus and advanced to the terminal ileum. The colonoscopy was performed without difficulty. The patient tolerated the procedure well. The quality of the bowel preparation was excellent.



The Colon

Application Archiving Methodology

Application Portfolio Analysis

- Create application catalog
- Determine which applications should be decommissioned
- Identify benefits, costs and ROI

Business & Data Analysis

- Create data models/XML schema's
- Determine data access requirements
- Define data retention
- Define audit process & reports

Design & Build

- Determine solution pattern
- Configure data acquisition interfaces
- Configure transformations
- Configure audit reports
- Configure data access application

Delivery

- Extract system data
- Monitor & validate process
- Review audit data
- Test data access application

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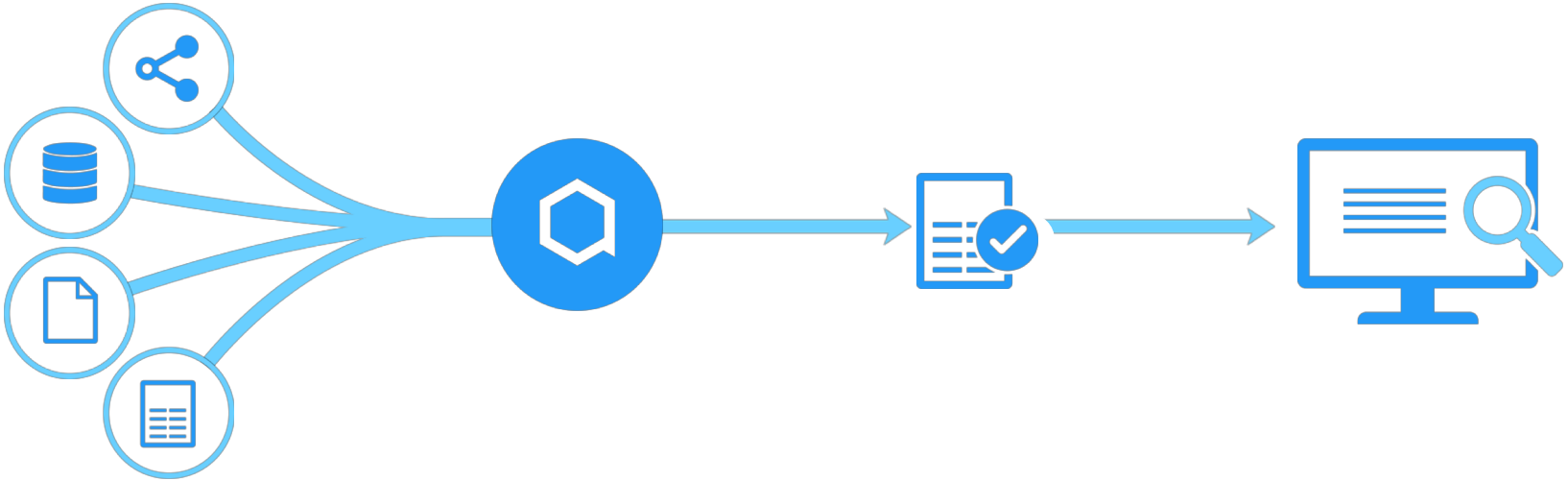


PRE-BUILT ADAPTORS

DATA ANALISYS AND ENHANCEMENT

DATA VALIDATIONS

INFOARCHIVE SCREENS

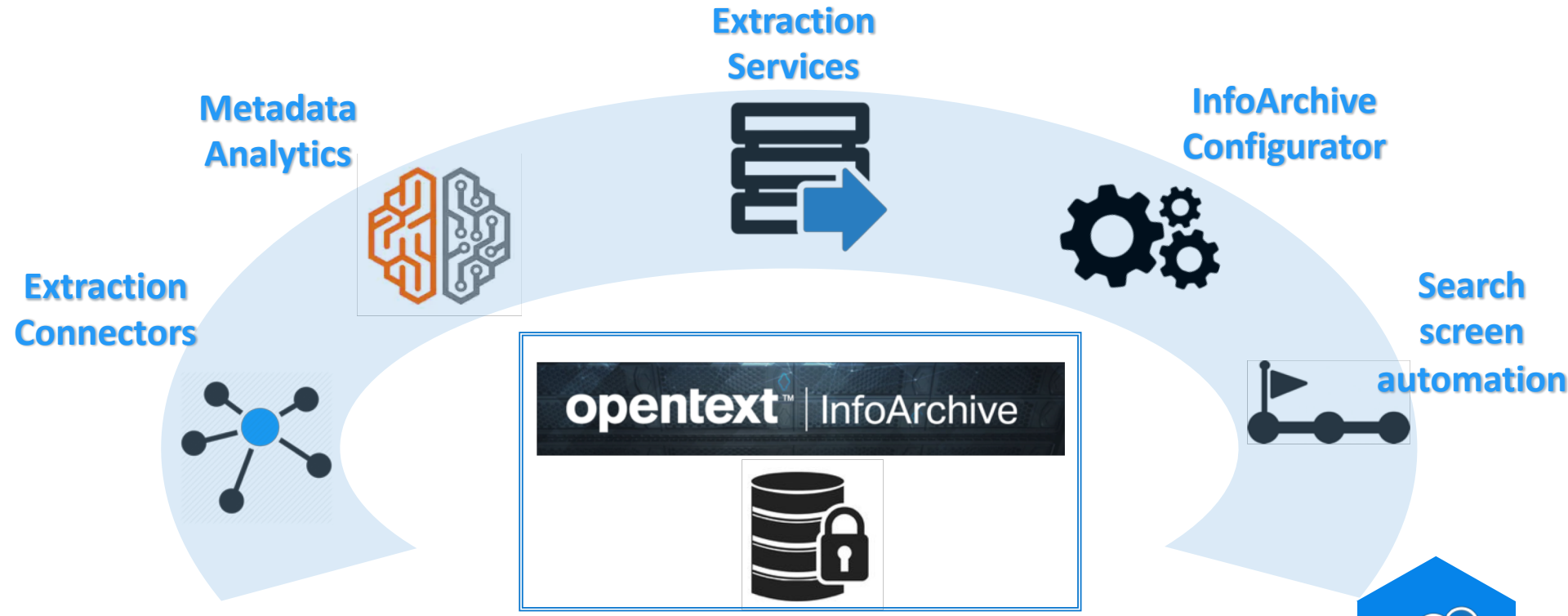
Platform 3's Archon

- **What Archon is NOT**
  - **Not an ETL tool.**
  - **Not an ETL plugin for Info Archive.**

Platform 3's Archon

- **What Archon IS**
  - **A database and application analytics system**
  - **Referential and Relationship data discovery**
  - **Metadata and data enhancement (Metalytics).**
  - **Chain of Custody and Process Audits.**
  - **Enables quick migration of legacy application into InfoArchive.**
  - **Has a direct Plugin into InfoArchive to quickly build and deploy IA applications.**

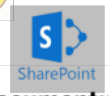
Platform 3's Archon



Archon – by Platform 3 Solutions

Extraction Connectors

Network Drives



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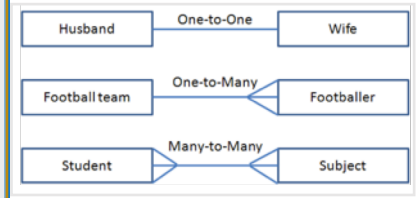

Automated Data Relationship Analysis:

- DDL Interrogation
- Data Interrogation
- Referential Integrity
- Stored Procedures
- Manual Definition
- Create “Chain of Custody”

Archon – by Platform 3 Solutions

Extraction Connectors

z/OS
IBM® AS/400®
ORACLE
Microsoft SQL Server
IBM DB2
TERADATA
Network Drives
FileNet
SharePoint
documentum
SAP
ORACLE PEOPLESOFT
ORACLE JD EDWARDS
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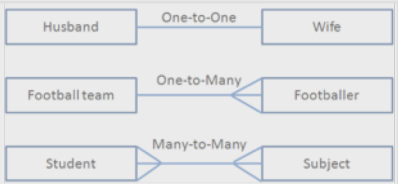
Metalytics



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Extracts

JSON
HTML
CSV
XML
TSV

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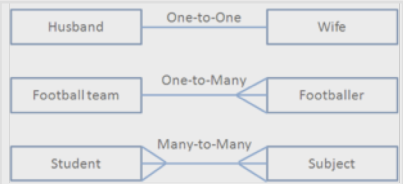

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InfoArchive Auto Configuration

opentext™ | InfoArchive

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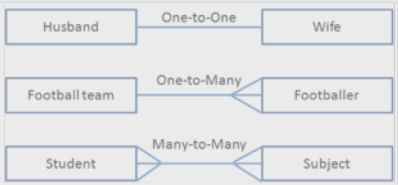

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Extracts

JSON
HTML
CSV
XML
TSV

Query Screen Auto Generation

Wizard-based creation

InfoArchive Auto Configuration

opentext™ | InfoArchive

Archon Service Catalog

DATABASE CONNECTIVITY

- SQL
- ORACLE
- SYBASE
- TERADATA
- DB2
- MYSQL
- RDBMS with JDBC type 4 drivers

SYSTEM CONNECTIVITY

- Documentum
- Salesforce
- Sharepoint
- Lotus Notes
- Dat files
- Flat files with different formats

EXTRACT & TRANSFER

- Live Archive
- Selective table data extraction
- Job scheduling/Queue management for extraction
- Blob extraction
- Unstructured data extraction
- Automated chain of custody
- Schema extraction
- Relationship diagram
- XML generation
- CSV and additional formats

LOAD. BUILD. CONFIGURE

- Auto indexing
- Auto ingestion
- Scheduling
- Recurring scheduling for future runs
- User profiling
- DB profile setup and management
- Role based access management and control using through SSO
- Store/re-use database connections

CUSTOM CONFIGURE

- Auto Screen build
- Ability to build Linear relations
- Custom screen build
- Custom report build
- Non-linear relations

ANALYTICS

- Meta data analysis
- Schema analysis
- Stored Procedure analysis
- View Analysis
- Column match analysis
- Data discovery analysis
- Application code analysis for data relations (piloting)

archon