

# ROUND TABLE:

## A Deeper Dive- Legacy Application Strategy



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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 Funding

- 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



# All Angles Covered

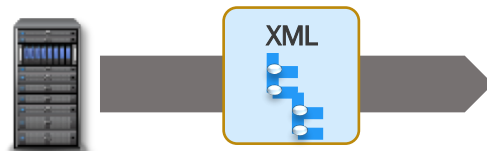
## TABLE ARCHIVING

- 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)

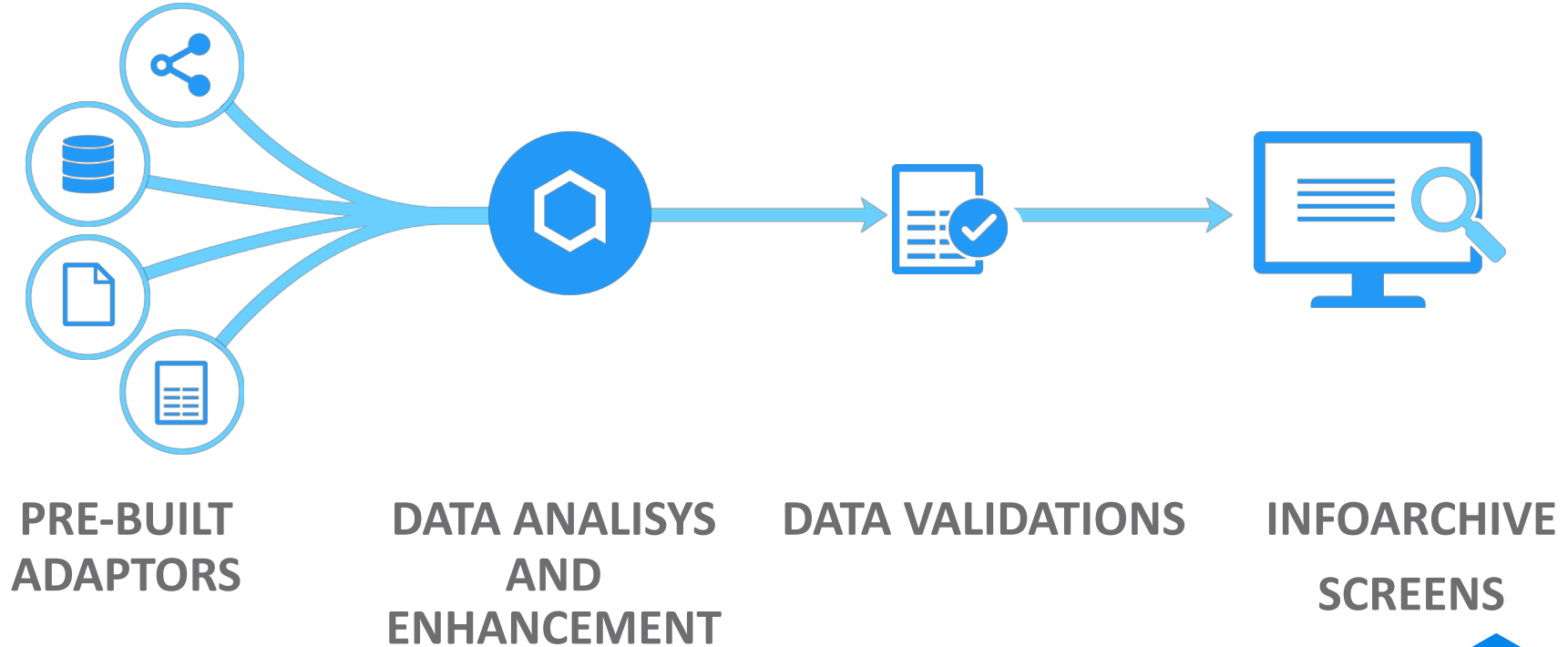
- Binds unstructured content & structured data in a single record
- Ideal for complex business records and collaborative applications



INFOARCHIVE



# THE P3 Archon PROCESS



# GL Account Enquiry

## Legacy AS400 - Search

00 - GLE01 General Ledger A\_C Number Enquiry - THL - EMNET401 - EUIBSFPL

GL13400 - Covidien AGUSER EUIBSFPL28/04/1613:56:49

Account Code Enquiry

Account : 12003Ledger B/S Acct typ Fisc Rpt ct1 010

Desc : A/R - Trade,Sales Org'n,Post inhibit C

Annual budget: 0

| Period 1612 | Net movement | Cum Balance |
|-------------|--------------|-------------|
| Budget :    | .00          |             |
| Actual :    | 6003406.87-  | 94006294.05 |
| Variance :  | 6003406.87   |             |
| Quantity :  | .000         | .000        |

|                    |         |                       |               |
|--------------------|---------|-----------------------|---------------|
| Account ?          | 12003   | Period                | 1612          |
| Or Ledger ?        |         | Exclude matched txns? | 1 (0/1)       |
| Budget code 1 or 2 | 1 (1/2) | Year end              | FIS (FIS/ALT) |
| Budget code 1 ?    | DBC 1   | Budget code 2 ?       | DFC 0         |

F3:Exit

F4:Prompt

F13:Period history

F14:Posting details

F15:Barchart

F16:Hierarchy details

F17:YTD

# Legacy AS400 Results Screen

00 - GLE01 General Ledger A\_C Number Enquiry - THL - EMNET401 - EUIBSFPL

GL13400 - Covidien AGUSER EUIBSFPL28/04/1613:56:49


Account Code Enquiry  
Account : 12003Ledger B/S Acct typ Fisc Rpt ct1 010  
Desc : A/R - Trade,Sales Org'n,Post inhibit C  
Annual budget: 0

| Perd                          | Net Movemt | Budget | % Var | Balance YTD | Budget | Cum.balance |
|-------------------------------|------------|--------|-------|-------------|--------|-------------|
| <input type="checkbox"/> 1612 | 6003407-   | 0      | .00   | 13296022    | 0      | 94006294    |
| <input type="checkbox"/> 1611 | 4522100    | 0      | .00   | 19299429    | 0      | 100009701   |
| <input type="checkbox"/> 1610 | 5593114-   | 0      | .00   | 14777329    | 0      | 95487601    |
| <input type="checkbox"/> 1609 | 220110-    | 0      | .00   | 20370443    | 0      | 101080715   |
| <input type="checkbox"/> 1608 | 10972191   | 0      | .00   | 20590553    | 0      | 101300825   |
| <input type="checkbox"/> 1607 | 710045-    | 0      | .00   | 9618362     | 0      | 90328634    |
| <input type="checkbox"/> 1606 | 5421817    | 0      | .00   | 10328407    | 0      | 91038678    |
| <input type="checkbox"/> 1605 | 3865009-   | 0      | .00   | 4906590     | 0      | 85616861    |
| <input type="checkbox"/> 1604 | 3871565    | 0      | .00   | 8771599     | 0      | 89481871    |
| <input type="checkbox"/> 1603 | 2713783-   | 0      | .00   | 4900034     | 0      | 85610306    |
| <input type="checkbox"/> 1602 | 1119479    | 0      | .00   | 7613817     | 0      | 88324089    |
| <input type="checkbox"/> 1601 | 6494339    | 0      | .00   | 6494339     | 0      | 87204610    |

1=Posting details

F3:ExitF12:PreviousRollup

# InfoArchive Search of AS400 Archive



[Applications](#)[Dashboard](#)[Compliance](#)[Administration](#)[Background Requests](#)

sue@iacustomer.com

[Search Forms](#)[Collections](#)[Retention Sets](#)[Hold Sets](#)[Purge Lists](#)[Application Info](#)[Tables](#)[Databases](#)

[Applications](#) ▶ [ACCOUNTGL](#) In Test ▶ [Account Code Enquire](#)

## Account Code Enquire (Draft)


Account Code Enquire

**Account Code Enquire**

|                                    |                                     |                                  |
|------------------------------------|-------------------------------------|----------------------------------|
| <b>Account</b>                     | <b>Period</b>                       | <b>Ledger</b>                    |
| <input type="text" value="12003"/> | <input type="text" value="Period"/> | <input type="text" value="B/S"/> |
| <b>Exclude matched txns</b>        | <b>Budget Code 1 or 2</b>           | <b>Year End</b>                  |
| <input type="text" value="1"/>     | <input type="text" value="1"/>      | <input type="text" value="FIS"/> |
| <b>Budget Code 1</b>               | <b>Budget Code 2</b>                |                                  |
| <input type="text" value="DBC"/>   | <input type="text"/>                |                                  |

Search

# Search Results



Applications

Dashboard

Compliance

Administration

Background Requests

Search Forms

Collections

Retention Sets

Hold Sets

Purge Lists

Application Info

Tables

Databases

Applications

ACCOUNTGL

In Test

Account Code Enquire

Results

Account: 12003 , Ledger: B/S , Exclude matched txns: 1 , Budget Code 1 or 2: 1 , Year End: FIS , Budget Code 1: DBC 

Modify

Select all 8

Displaying 1 - 8 of 8

| <input type="checkbox"/>  | Perd | Net Movemt | Budget | % Var | Balance YTD | Cum.balance |
|---|------|------------|--------|-------|-------------|-------------|
| <input checked="" type="checkbox"/>   | 1607 | 10972191   | 0      | .00   | 9618362     | 90328634    |
| <div>Details</div> <div><div>Company</div>00-Covidein AG</div> <div><div>Account</div>12003</div> <div><div>Desc</div>A/R - Trade,Sales Org'n</div> <div><div>Ledger</div>B/S</div> <div><div>Acct Type</div>Fisc</div> |      |            |        |       |             |             |

| ☐ | 1606 | 5421817 | 0 | .00 | 10328407 | 91038678 |
| ☐ | 1608 | 10972191 | 0 | .00 | 20590553 | 101300825 |
| ☐ | 1605 | 38655009 | 0 | .00 | 4906590 | 85616861 |

Details

Base Date

Projected Disposition Date

Retention Policy

On Hold

Company

00-Covidein AG

Account

12003

Period

1607

# 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

infoarchive by EMC

Applications Dashboard Compliance Background Results

Invoices Record Search Retention Sets Hold Sets **Purge Lists** Application Info Packages

Purge Lists Actual dispositions may change ⓘ

Found 1 Lists

| Purge List Name | Type    | Retention Policy | Items | Created Date        | Status       |
|-----------------|---------|------------------|-------|---------------------|--------------|
| PurgeList-2     | Package | Invoices-policy  | 1     | 2016-04-22T23:00... | Under Review |

APPROVE REJECT

Displaying 1 to 1 out of 1 packages

| Package Name                           | State     | Hold | Records |
|--|-----------|------|---------|
| Invoices-PRO Archiver-20131213111701-1 | Completed | No   | 20      |

PurgeList-2

Type Package

Retention Policy Invoices-policy

Items 1

Created Date 2016-04-22

Modified Date 2016-04-22


Modified By

Status Under Review

Purge Process

```
graph LR; A[Expire Old Purge Candidate Lists] --> B[Find Eligible Items]; B --> C[Create Purge Candidate Lists]; C --> D[Wait for Approval]; D --> E[Dispose Approved Items]
```

# Views- Clinical Dashboard



Jane Doe

654321

1/22/1953 Female

101 Main Street Cambridge MA 02135

Patient Summary

Snapshot

Medications5

Timeline

Encounters10

Continuity of Care1

Clinical Documents

Notes9

Radiology2

Test Results1

Cardiology0

Pathology0

Allergies

|              |            |
|--------------|------------|
| Peanuts      | 2014-05-15 |
| Anaphylaxis  |            |
| Penicillin   | 2014-03-01 |
| Rash, Nausea |            |

Medications

|                     |            |
|---------------------|------------|
| Guaifenesin-Codeine | 2014-04-30 |
| Azithromycin        | 2014-04-30 |
| Pulmicort Flexhaler | 2014-04-28 |
| Prednisone          | 2014-02-26 |
| Armour Thyroid      | 2013-02-14 |

Immunizations

|              |            |
|--------------|------------|
| Influenza    | 2014-09-14 |
| Pneumococcal | 2013-10-15 |
| Zoster       | 2010-11-01 |
| Tdap         | 2010-01-19 |

Family History

|                                       |        |
|---------------------------------------|--------|
| Acute Myocardial Infarction           |        |
| Father, 55                            |        |
| Breast Cancer                         |        |
| Great Aunt, 63                        |        |
| Chronic Obstructive Pulmonary Disease |        |
| Mother, 60                            |        |
| History of osteoporosis               | Denied |


Social History

|   |            |
|---|------------|
| Alcohol Use                             | 2014-05-15 |
| Drinks occasionally                     |            |
| Exercising Regularly                    | 2014-03-01 |
| Curves – 3 times per week               |            |
| Former Smoker                           | 2013-12-22 |
| Quit at age 28 years; 10-20 packs pr yr |            |

Problems

|   |            |
|---|------------|
| Abnormal weight gain  | 2014-05-10 |
| 783.1, No change in patient diet                                      |            |
| Acute Bronchitis  | 2014-01-01 |
| 466.0, COPD and pneumonia ruled out. Patient exposed to smoke at work |            |
| Anosmia   | 2013-12-20 |
| 781.  |            |
| Chronic Sinusitis   | 2013-02-06 |
| 473.9, Pt has history of sinus  |            |

# Patient Encounters

|   |    |                         |             |            |
|---|----|-------------------------|-------------|------------|
| <div> Jane Doe 654321   1/22/1953 Female<br/>101 Main Street Cambridge, MA 02135</div> |    |                         |             |            |
| Patient Summary   |    |                         |             |            |
| Snapshot  |    | Name ↕                  | From Date ▼ | To Date ↕  |
| Medications   | 5  | Tinnitus                | 2015-01-17  | 2015-01-17 |
| Timeline  |    | Colonoscopy             | 2014-02-03  | 2014-02-03 |
| Encounters  | 10 | Wrist Fracture          | 2014-01-02  | 2014-01-02 |
| Continuity of Care  | 1  | Meningitis              | 2011-06-25  | 2011-06-27 |
| Clinical Documents  |    |                         |             |            |
| Notes   | 9  | Elevated Blood Pressure | 2011-03-16  | 2011-03-16 |
| Radiology   | 2  | Chronic Headache        | 2010-07-19  | 2010-07-19 |
| Test Results  | 1  | Urinary Tract Infection | 2010-05-12  | 2010-05-12 |
| Cardiology  | 0  | Disorientation          | 2003-02-10  | 2003-02-11 |
| Pathology   | 0  | Annual Physical 2001    | 2001-06-03  | 2001-06-03 |
|   |    | Bronchitis              | 1998-03-15  | 1998-03-16 |



# 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

### ~ Penn Medicine

**Patient Name:** Jane Doe  
**MRN:** 654321  
**Admit Type:** Ambulatory  
**Room:** Room B  
**Attending MD:** Ferden A. Noones\*, MD

**Procedure Date:** 2/10/2014 10:00 AM  
**Date of Birth:** 2/13/1964  
**Age:** 52  
**Note Status:** Finalized  
**Instrument Name:** CF-HQ1-190L-211

#### Colonoscopy

**Procedure:** Surveillance: Personal history of adenomatous polyps on last colonoscopy 5 years ago  
**Indications:** Ferden A. Noones\*, MD, Sam G. Graham, Technician (Technician), Amy Hardly (Anesthesia Staff)  
**Providers:** Staff)

**Referring MD:** Robert Campus, MD

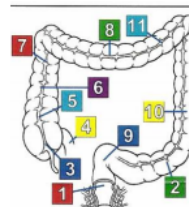
(Referring MD)

#### 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

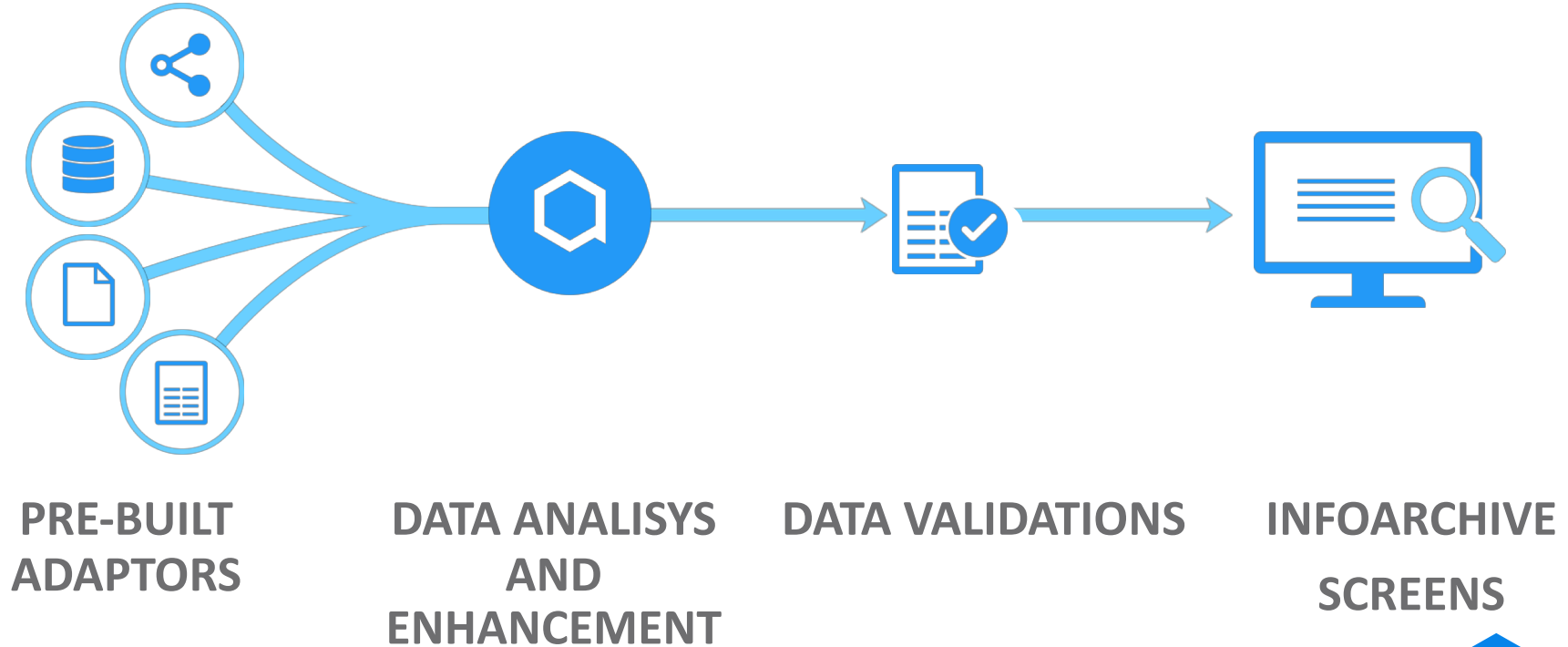


## Delivery

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



# THE P3 Archon PROCESS



# Platform 3's Archon

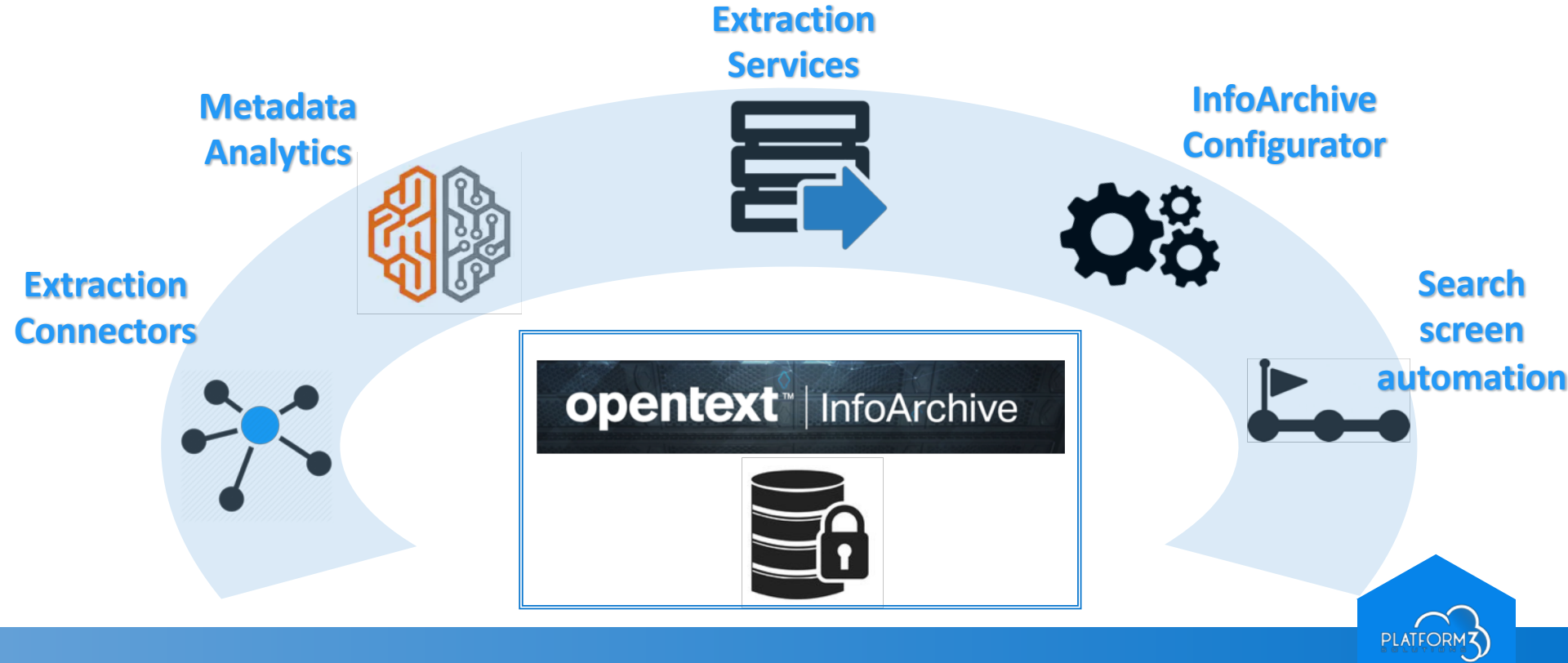
- **What Archon is NOT**
  - Not an ETL tool.
  - Not an ETL plugin for Info Archive.

# 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



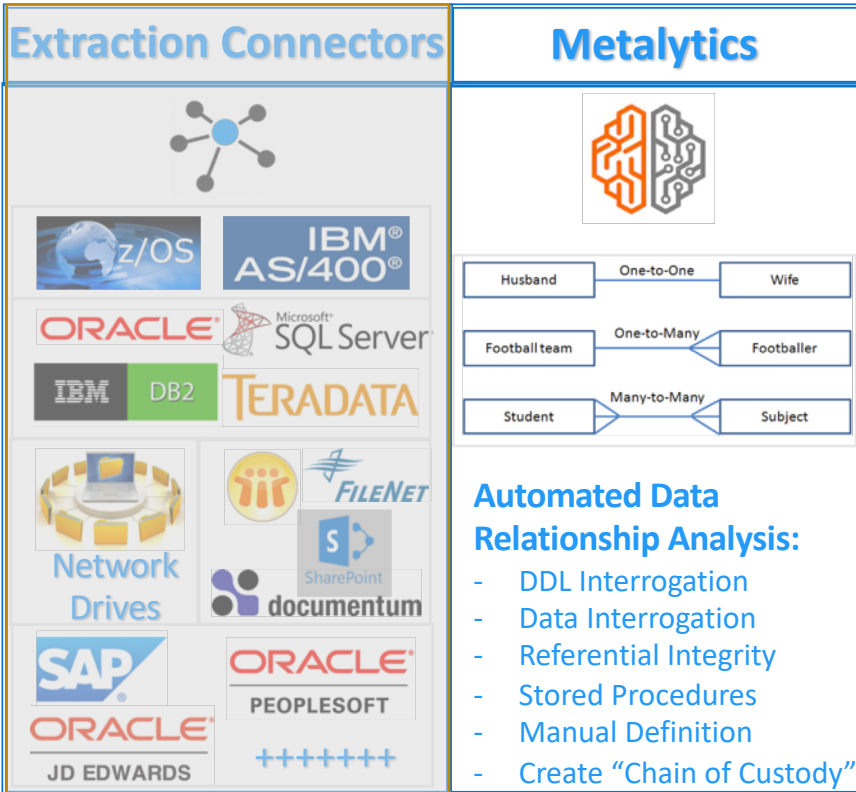
PEOPLESOFT

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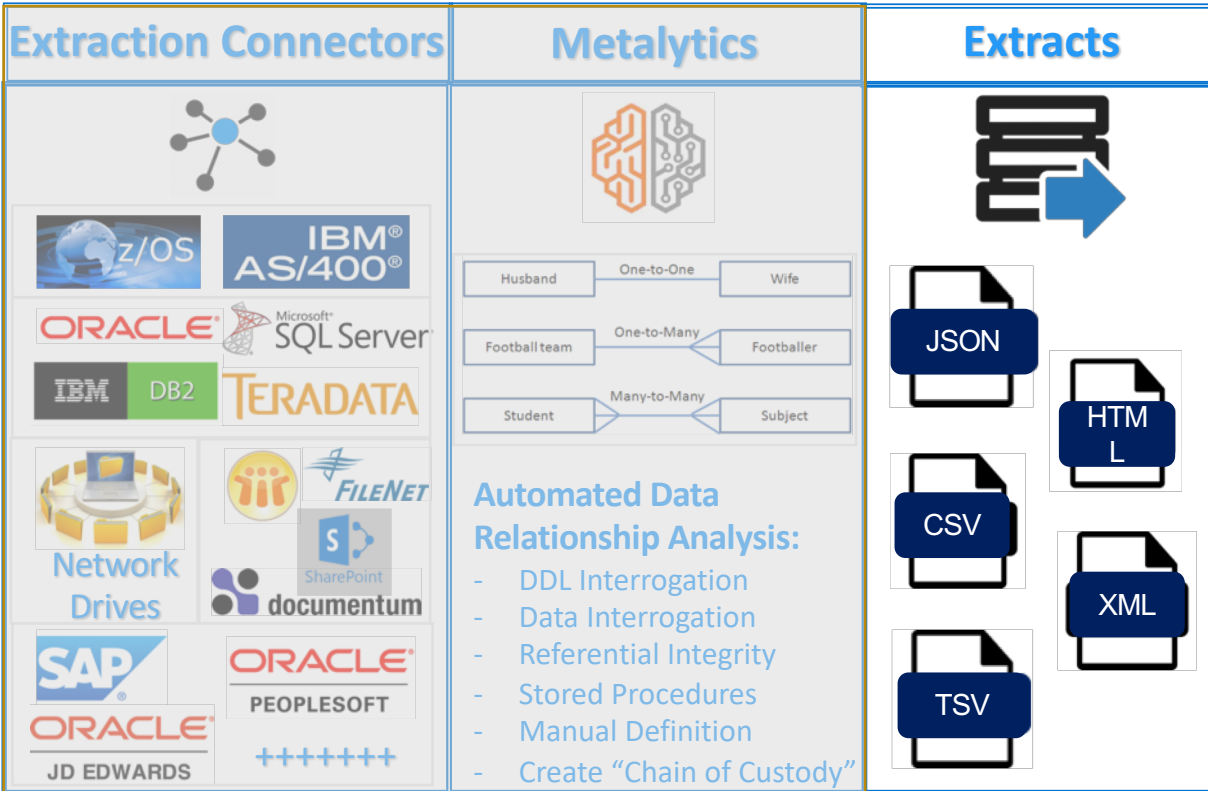




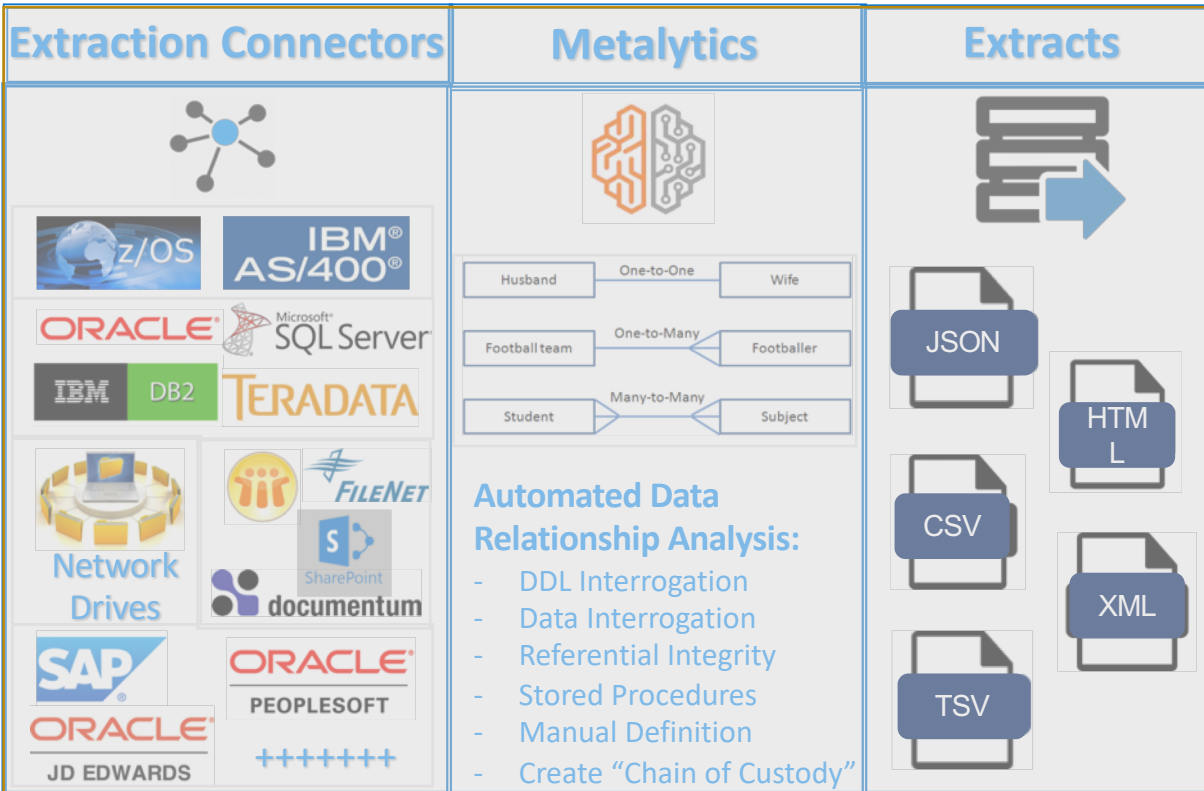
# Archon – by Platform 3 Solutions



# Archon – by Platform 3 Solutions



# Archon – by Platform 3 Solutions



## InfoArchive Auto Configuration










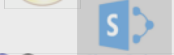


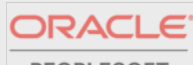
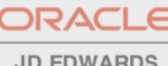


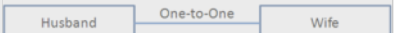
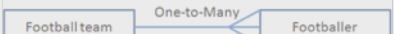
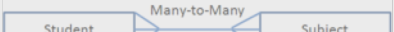













**opentext** | InfoArchive



# Archon – by Platform 3 Solutions



| Extraction Connectors  | Metalytics   | Extracts   | Query Screen Auto Generation   |
|--|--|--|--|
| <br> <br> <br> <br> <br> <br> <br>  | <br><br><br><br><b>Automated Data Relationship Analysis:</b> <ul style="list-style-type: none"> <li>- DDL Interrogation</li> <li>- Data Interrogation</li> <li>- Referential Integrity</li> <li>- Stored Procedures</li> <li>- Manual Definition</li> <li>- Create "Chain of Custody"</li> </ul> | <br> <br> <br> |  <br><b>Wizard-based creation</b><br><b>InfoArchive Auto Configuration</b><br><br><br> |

# 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)

