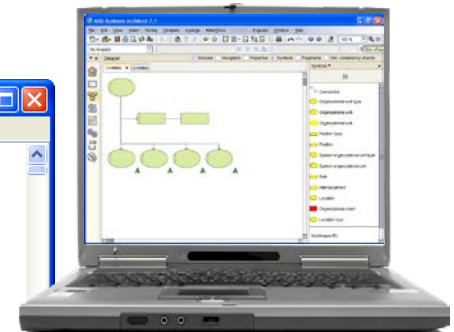# DataLink interface for ARIS

What is DataLink ?

- **Tool for synchronizing external systems with ARIS repository**

- DataLink is being developed based on the proven HR Link solution that is successfully delivered worldwide more than 14 years

- Connects to various data sources (based on extension packs delivered)

- Imports external data and creates reusable object library

- Draws models based on formatting and modeling methods
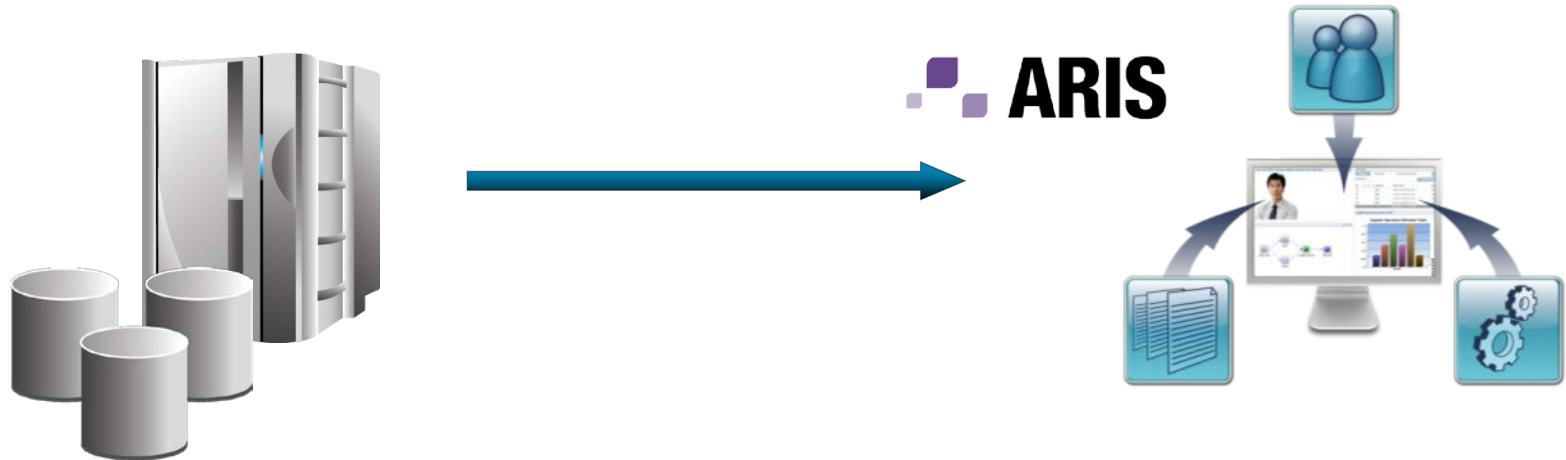
- Builds synchronization report

Some of References

DataLink Extension Packs

- Extension pack is pre-prepared configuration set suitable for specific data domain

- Extension Packs available

  - HR Extension Pack – HR DataLink (HR data importing)

  - Asset Extension Pack (IT assets importing)

  - SDK pack (API, documentation and examples for custom development)

DataLink Solves

- Pain points associated with manual update process

  - Resource and time intensive (cost)

  - Duplication of effort (cost)

  - Error prone (integrity)

  - Different sources of truth - which one is correct? (integrity)

  - Constantly out of date (integrity)

  - People come up with their own solution (cost & integrity)

DataLink Features

- **Reliability**
    - DataLink is pre-packaged customized solution vs. custom scripting
    - Support and updates are available

- **Flexibility**
    - Various data sources (SAP ERP, databases, XML, Excel, …)
    - Synchronization rules can be configured for required integrity
    - Synchronization report output can be customized (Word, Excel, XML, …)
    - Model formatting can be customized

- **Speed & Scalability**
    - Synchronize 1000s of objects and 100s of models in minutes
    - Runs on server

- **Opened Architecture**
    - Can be delivered with SDK extension pack
    - Well documented API and configuration model

DataLink Delivery Process

Requirements workshop

- What data?
- How to structure?
- How to format?
- How to synchronize?

Configuration and customization

- Implementation reflecting specs

Handover and acceptance

Data and external system configuration

- Connecting to data source
- Data import provement

Installation and testing

- Installation at production environment
- First-run
- Testing and debugging

Duration: 8 – 15 days depends on requirements

How the synchronization works

- Synchronization steps

  - Data is loaded into memory

  - In-memory structure of groups, objects, connections and models is created

  - The in-memory structures are compared to corresponding ARIS structures (create, existing, update, obsolete)

  - ARIS models are formatted

- Important features

  - DataLink items (groups, objects, connections, models) have an id

  - Object and connection definitions are reused by occurrences

  - Items without the id are ignored (you can mix your modeling with synchronized objects in one model)

QUESTIONS ?

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