

Instant Warehouse

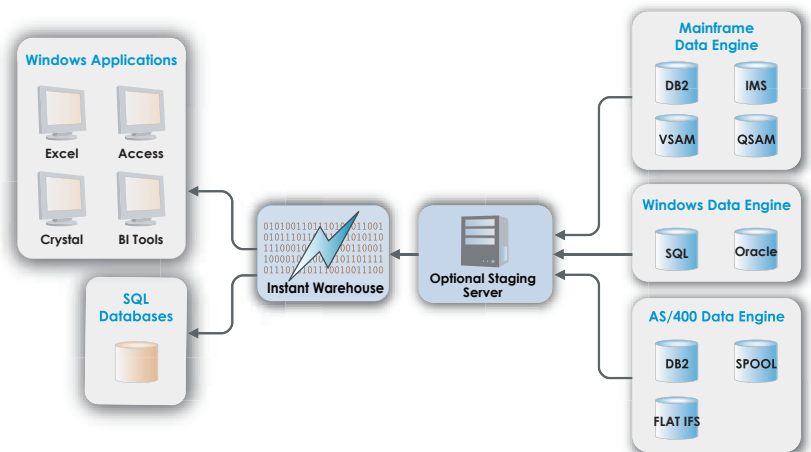
One solution for two difficult data problems

1

? **Problem** Modelling a Data Warehouse with Real Data

! **Solution** Instant Warehouse Data Warehouse Prototyping

Getting user participation and involvement is one of the key success factors in a successful data warehouse project. Instant Warehouse is a new prototyping tool that provides you with powerful ways to visualize and analyze your data and involve end users at the earliest stages. Users are involved because you can prototype your application using the entire set of real data. The Instant Warehouse agile modeling techniques reduce the need for extensive advance documentation reviews and dramatically reduces both the time and effort required to plan the project's data access. In addition, these tools enable you to minimize up-front costs and reduce risks by limiting your exposure related to unexpected data problems or new requirements.



Benefits

See Results Quickly

- Minimize documentation reviews at the start
- Prototype the data access for your project and get it right the first time
- Evolve the prototype to become the requirements document
- Eliminate (or at least minimize) subsequent re-work
- Start seeing results in days

Reduce risk

- Ensure the project meets your needs, before it's built
- Involve users at the earliest stages
- Gain acceptance before you implement

Know your source data

- Process your source data directly, and identify problems at the earliest stages
- Apply advanced data quality tools and techniques directly to the source data
- Pre-test your conversion, mapping and cleansing rules directly against the source data

What Does Instant Warehouse Do?

Instant Warehouse dynamically :

- Reads all of your various data sources by either
 - ▶ Reading it directly, using an Arbutus Data Engine installed on that platform
 - ▶ Reading an exact copy transferred to a staging server (no conversion required)
- Combines the data sources in any manner required
- Applies whatever data mapping rules you specify
- Implements whatever data transformation, cleansing or business rules you specify

The whole environment is then presented as a single unified virtual database. This virtual database acts as a prototype of your data warehouse or data mart and can be accessed by:

- Any Windows application (desktop, server or web service) that reads ODBC, JDBC, OLE/DB or .NET
- The Arbutus Analyzer application, which includes powerful analytic capabilities to understand your data and quickly identify data quality issues

This allows the virtual database to interact with your applications or processes in the same manner as the finished project.

Since all of this processing is implemented dynamically, you can change any characteristic of the prototype and instantly see the result in the model.

Key Capabilities

Short Implementation Timeframe

Instant Warehouse's data modeling technologies let you implement a prototype of your project with a minimum of up-front planning and costs. Implement an Instant Warehouse as quickly as you can define the requirements. As you see the results you can immediately update the model to reflect new or modified:

- Tables and Columns
- Data Mappings
- Data Relationships
- Business rules and Other dynamic calculations
- Data transformations and Cleansing rules

Use standard development methodologies

Once the final model has been established, you implement it using whatever data warehousing tools and techniques with which you have the most experience. Instant Warehouse is a modeling tool that allows you to build your project right the first time, without affecting your choice of implementation technologies.

More than just a prototype

“Prototype” really isn't the best way to describe Instant Warehouse, since it:

- Directly reads your source data, including complex legacy sources
- Implements real interfaces to your applications
- Combines any number of disparate data sources into a single logical view
- Utilizes powerful dynamic processing capabilities to model your transformation, manipulation and data cleansing requirements.

Rather than a mock-up, you see the actual project data in operation. Instant Warehouse is so close to the real thing that for many small and medium sized projects it can actually be used as the data warehouse.

Secure Access

Instant Warehouse allows any Windows application full read-only access to a virtual data warehouse built using your live source data. Because the access is read-only, even though you may be reading your source data directly, the data is totally safe from change.

Easy Off-line Development

You can choose to model your project off-line, using either of our Windows or Linux open servers. These servers are fully compatible with the host system's data types and file structures. This means that even off-line development can be achieved without any need for any advance data preparation or conversions.

2

? **Problem** Using Historical Data from Decommissioned Platforms

! **Solution** Instant Warehouse Legacy Data Store

Many organizations continue make their IT environments more efficient and cost effective by decommissioning or consolidating their hardware platforms. One of the challenging outcomes of this process is the storage and use of historical data. Much of this data can not be cost justified to migrate into a data warehouse but, is still needed for periodic and important use. Instant Warehouse is designed to provide a very cost effective solution to this problem.

Arbutus's Windows and Linux Data Engines are fully compatible with all data set structures and data types encountered on your mainframe, Unisys, HP or DEC platform. This means that the process of staging data is as simple as a file transfer, with no data transformation required. The result is that you can implement a data mart style solution, with full access for any type of query, analysis or reporting needs, in a matter of days.

Overview

- Continue to use historical data from decommissioned platforms like IBM mainframes, Unisys, HP and DEC
- Unconverted legacy data can be stored and utilized on any Windows or Linux server
- One time set up of Legacy Data Store for use by end user applications can be done within hours or days
- Eliminate the time and expense of moving all your legacy data into a data warehouse.
- Historical data and active data can be easily combined into one data source
- Simplifies the re-purposing of historical data
- No training needed for end users to access the legacy data

Arbutus Consulting Services

Arbutus consultants have years of experience in using the Arbutus technology with all types of data, particularly mainframe based, and are available to assist at any stage of your project. When needed, our seasoned consultants typically work with your team and provide assistance in the use of 'best practices' with the Arbutus technology. When our consultants become involved, your project timelines become our project timelines in ensuring an on-time and successful implementation of Instant Warehouse.

Licensing

Arbutus has a flexible licensing model that accommodates the various needs and circumstances of our clients:

- Perpetual use licensing for those who will have an on-going need for the technology
- Rental-based licensing starting at 12 month terms. Appropriate for project based requirements or to provide an alternative to accommodate budget circumstances.

