



DATA WAREHOUSE IN A BOX



INTRODUCTION

DXtera Institute is a non-profit consortium of educational institutions collaborating to advance their academic missions by sharing expertise and leveraging campus resources. DXtera Institute turns complex, time-intensive, inefficient digital transactions into an optimized, secure, real-time digital integrations across multiple applications. Powered by our members, community sourced solutions slash the cost of current means of integration, freeing up resources to help place – and keep – students on a path to completion.



DATA WAREHOUSE OVERVIEW

Colleges and universities are increasingly feeling the need for data warehousing solutions to support better and more advanced data analytics. Designing and developing data warehouse solutions, and the means of populating data from legacy enterprise systems, is generally difficult. Commercial products are expensive and often lock organizations into proprietary data models and products. Developing in-house solutions from scratch may be considered too labor- or cost-intensive, or simply beyond the capacity of most institutions.

At DXtera Institute, we propose a community owned solution: *Data Warehouse in a Box*. The tools to be developed will support extraction, transform and load (ETL) processes, allowing organizations to populate a data warehouse whose models and technology is owned by the community, and where data and reporting tools stay within the security of the institution. The common, arduous chore of data extraction and transformation will be dramatically simplified when mapped to the open interfaces of DXtera's Integration framework, and the warehouse's data schema will support popular reporting and visualization tools. In short, DXtera Institute's *Data Warehouse in a Box* will help make information more readily accessible, easier to analyze, and more user-friendly.



DEMONSTRATION PROJECT TO DEVELOP A DATA WAREHOUSE SOLUTION

We are seeking 2-3 System of or Institutions of higher education to help lead a demonstration project that will solve the pain points that they are having by leading the development of the *Data Warehouse in a Box* for use by our members. You solve your problem while helping our shared community. We invite members to join into this effort and we will leverage the additional funds to cover the cost of development and original implementation.



DXTERA INSTITUTE MEMBERSHIP

A non-profit consortium, DXtera Institute membership is open to any partners focused on developing consumer-driven solutions to digital integration, such as higher education institutions and systems, nonprofit associations, foundations, public agencies and corporate partners. Membership is based on level of desired engagement and provides access to different levels of services, leadership and product development.

Sustaining Level membership would include leading a high-demand technology project, such as *Data Warehouse in a Box*. Other benefits include:

- Access to a growing and robust library of open and community-sourced integration solutions and adapters
- Access to "expert hub"
- Opportunity to become certified technicians
- Annual Academy
- Serve on Technology Council
- Lead/develop/test a high-demand technology project
- Access to online community