



**CA CLARITY INTEGRATION WITH XINIFY xCIA ADAPTORS AT PNC BANK**

**XINIFY Client Case Study**



### Case Study Highlights

- PNC is a highly diversified and growing financial services organization spanning the retail, business and corporate markets.
- User of CA Clarity 7.5.2
- Need for integrating Clarity with HR and Financial Systems to automate flow of Financial Data from Projects to the Accounting Systems
- Xinify xCIA CA Clarity Adaptors with customization used for integration
- Fixed Price End to End Delivery



## CA CLARITY INTEGRATION WITH XINIFY xCIA ADAPTORS AT PNC BANK

### BACKGROUND

PNC Bank, located in Pittsburg, Pennsylvania, was implementing Clarity 7.5.2. In order to optimize the usage of Clarity provide the financial data from their projects to their accounting system, they decided to have custom integrations developed from Clarity into those accounting systems. In addition, as they had significant employee mobility from department to department, and the costs of manually maintaining the resource status and OBS locations for their resources would be high, they also decided to have a resource interface developed. All of the PNC back-end systems (Accounting and HR) were developed and maintained by PNC.

### ANALYSIS

The resource interface needed to be able to take into account a combination of any given resource's cost center and resource manager to be able to determine the correct OBS node for that resource. Further, as resource managers were re-assigned, the lower level resources that were affected by the change in managers had to have this new information taken into account in order to maintain the correct OBS placement of the resources.

The financial interfaces were more complex. PNC maintains two GL systems: one for distinguishing capital and expense accounting, and the other for allocating costs to their cost centers. While Clarity allows for cost allocations at a project level, and provides for marking items as capital or expense, the need at PNC was to further refine a "Capital" project cost in that only certain percentages were actually able to be capitalized, and the balance expensed. Also, in cases where the employees worked more than 40 hours in a week on a project, if they were salaried, the cost must be pro-rated based on a 40 hour cost rather than the actual hourly cost charged to the project. All of this financial data must be presented in an appropriate format to each system, as well as being reconciled against payroll accounting data.

### DESIGN

Despite the apparent complexity of the interfaces, Xinify was able to determine that their proven methodology for Clarity interfaces would form the basis for the architecture to be used.

For the Resource interface, the core data needed from the PNC HR system would be written to a staging table. There, java based scripts would be employed to use predefined mapping tables and apply rules to make any needed data transformations, and then the Clarity XOG (XML Open Gateway) utility used to populate the resource data into Clarity. A complete resource data refresh (5000 users) was run for each nightly resource update.

For the Financial interfaces, it was determined that six interfaces totaling eight separate files would need to be run to support the PNC requirements. For these interfaces, either XOG or SQL Queries were used to extract data from Clarity. Java scripts were run on the data to apply rules and data transformations as needed, and the data was written into staging tables in the specified formats. That staging table data was then imported into the relevant PNC financial system. This process provided a complete audit trail of the records, as well a error capture and appropriate processing notifications.

An extract of the PNC development environment was installed on a Xinify server to allow off-site development of the interfaces, saving time and expenses. Formal bi-weekly status calls were made with the developers, as well as daily tracking of activities. Bi-weekly project calls were held with PNC to keep them up to date on the status of the development.

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### DEVELOPMENT

To accelerate the delivery of the interfaces, given the very tight time schedule that PNC was operating under, the interface development was apportioned among four different developers. They, in turn were overseen by a project manager and a senior architect who ensured quality control on the project.

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### TESTING AND DEPLOYMENT

Initial testing of the interfaces was conducted on the Xinify server. Once the integration had passed that level of testing, it was migrated to the development environment at PNC. Systems level testing was conducted there, and then the code was migrated to the test environment. Integration level testing was conducted there. PNC was responsible for migrating the integrations into their production environment as the User Acceptances were signed off. Xinify provided both on site and off site support as needed during the testing processes.

### ABOUT XINIFY

Founded in 2003, Xinify Technologies was built on deep expertise in IT Management and Governance (ITMG). With more than 100 consultants, we help our customers gain the highest ROI from their IT investments. We have built our methodologies and processes on proven customer success with Fortune 500 and Fortune 1000 companies. Xinify is a Premier CA Clarity Alliance Partner and a BMC Remedy Consulting Partner. Xinify's headquarters is located in San Ramon, CA and has offices throughout North America in Atlanta, GA; Chicago, IL; Los Angeles, CA; New York, NY; Seattle, WA and in South America, Mexico; Europe, United Kingdom. For more information, visit [www.xinify.com](http://www.xinify.com).

### Xinify Partners



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