Oracle EPBCS
Client Success Story

Add complex calculations in ASO without changing or adding to the existing architecture. Groovy calculations enable improved performance and reduce complexity of calculation logic by bypassing Essbase. Taking advantage of new technology and adding creativity reduced the development timeline significantly.

ACCELYTICS

Accelerated EPM, BI, Cloud Solutions

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BUSINESS CHALLENGES

The existing application had an ASO plan type that held detailed data from the organization's ERP. The variance to HFM (book of record) was broadening and the reporting was becoming less useful. The high-level request was to calculate the variance to HFM at each entity so users could create reports at the detailed level showing the adjustment required to tie to HFM.

There was a small budget available for the development effort so it had to have a short development lifecycle. Accelytics developed a solution to overcome the following restrictions.

- HFM and ERP did not have the same level of detail.
  - » State was the lowest level in HFM, but the ERP had cities.
  - » HFM did not include several dimensions that the ERP had, like payee and customer
- The existing process could not be impacted. Data loads, reports, and dimensionality could not be adjusted so the existing architecture had to remain unchanged.
- All BSO play types were being used for other purposes.
- Procedural calculations were not an option as they were too complex due to the volume of members and dimensions. The application included 4 very large dimensions.
- The calculation needed to be dynamic enough that a user could select which periods to be processed.
- Performance was a crucial success factor and needed to run for 12 months in less than 30 minutes.

ARCHITECTURAL SOLUTION FROM ACCELYTICS

Using Groovy calculations, the business requirements were all met and the solution exceeded performance expectations and the time to develop.

ARCHITECT

Kyle Goodfriend has been solving challenges and building solutions in Essbase and Planning for over 20 years. Kyle is a Vice President at Accelytics and has been recognized by Oracle as an Oracle Ace for his contributions to the community. You can read more about Kyle at www.in2Hyperion.com or www.in2Oracle.com.

CONTACT

If you have a challenge, Accelytics has creative solutions. Contact Kyle for a free, no pressure estimate.

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TECHNICAL SOLUTION

By using the functionality Groovy offers, Accelytics was able to build the business logic that compared the two sources at different levels and create an adjustment. Users were able to create reports at the state level that tied to HFM. City reporting provided the detail that existed in the ERP. The calculation did not require any additional dimensional properties and reacted to changes in the hierarchies automatically. Any period could be reprocessed as restatements occurred and were applied to every vendor, customer, entity, market, project and charged customer.

Net Income • All Entities • All Markets. • All Projects • All Products • All Customers Charged

	HFM (Book of Record) (Hidden from User)	ERP	Adj	Total	
Ohio	269,856.32	-	39.10	39.10	HFM
Cincinnati	-	3,818.62	-	3,818.62	ERP
Toledo	-	252,640.31	-	252,640.31	ERP
Columbus	-	2,492.29	-	2,492.29	ERP
Cleveland	-	71.97	-	71.97	ERP
Dayton	-	3,136.59	-	3,136.59	ERP
Youngstown	-	(3.12)	-	(3.12)	ERP
Westerville	-	2,205.84	-	2,205.84	ERP
Dublin	-	4,526.76	-	4,526.76	ERP
Westchester	-	227.71	-	227.71	ERP
Finley	-	700.24	-	700.24	ERP
Ohio_Total	269,856.32	269,817.22	39.10	269,856.32	

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ORACLE Gold Partner

ORACLE ACE

EXCEEDING THE EXPECTATIONS

PERFORMANCE

With hundreds of thousands of members, performance was a crucial component of success. Calculation of one month finished in under 25 seconds.

ARCHITECTURE

There would be a ripple effect on calculations, loads, and reports if the existing dimensionality changed. Our solution required no change to the production application.

MAINTENANCE

The calculation was written to dynamically change based on the naming convention of the hierarchy. No maintenance is required.
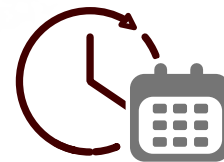
ACCELYTICS ADVANTAGE

With Groovy knowledge, advanced business logic can be performed on ASO plan types with even more flexibility than Essbase calculations.

BUDGET

From requirements gathering to system testing, the entire process was designed and built in less than a day.

GO LIVE

Accelytics developed, facilitated user testing, and migrated to production in three business days.

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