

Case Study

Modernizing State Financial & HR Analytics with Microsoft Power Platform

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Case Studies Series

Synaptein Solutions

Executive Summary

Synaptein partnered with state financial and HR leadership to modernize data analytics across PeopleSoft (TeamWorks), Hyperion, and external systems. Using Microsoft Power Platform, Synaptein automated data integration, standardized reporting on the State Chart of Accounts (SCOA), and delivered real-time insights through interactive Power BI dashboards. This reduced close-cycle analytics from 5+ days to near real-time, improved audit readiness, and enhanced transparency across agencies.

Background & Challenges

State Accounting Office (SAO) and DOAA auditors managed complex data from:

- PeopleSoft TeamWorks (FSCM & HCM)
- Hyperion FASTR / SmartView for CAFR & BCR compliance
- External systems such as Bank of America Works (P-Card)
- State Transparency in Government portal

Challenges included:

- Fragmented data across multiple systems
- Manual overnight extracts and CSV handling
- Outdated benchmarked queries requiring frequent updates
- Static reports with limited interactivity and collaboration

Solution: Power Platform Implementation

1. Data Integration

- Automated ingestion of PeopleSoft queries, Hyperion SmartView extracts, and external CSV/SFTP feeds via Power Automate.
- Reduced manual overnight pulls with scheduled cloud flows and alerts.

2. Data Modeling

- Unified financial model based on the State Chart of Accounts (SCOA).
- Incorporated Hyperion FDM crosswalk mappings to ensure GAAP compliance.
- Combined HR and Financial datasets for cross-domain insights.

3. Analytics & Visualization

- Power BI dashboards created for financials, HR, and compliance.
- Drill-through from agency → fund → project → activity using SCOA hierarchy.

- Interactive KPIs for budget vs actual, payroll trends, attrition, and compliance cycle tracking.

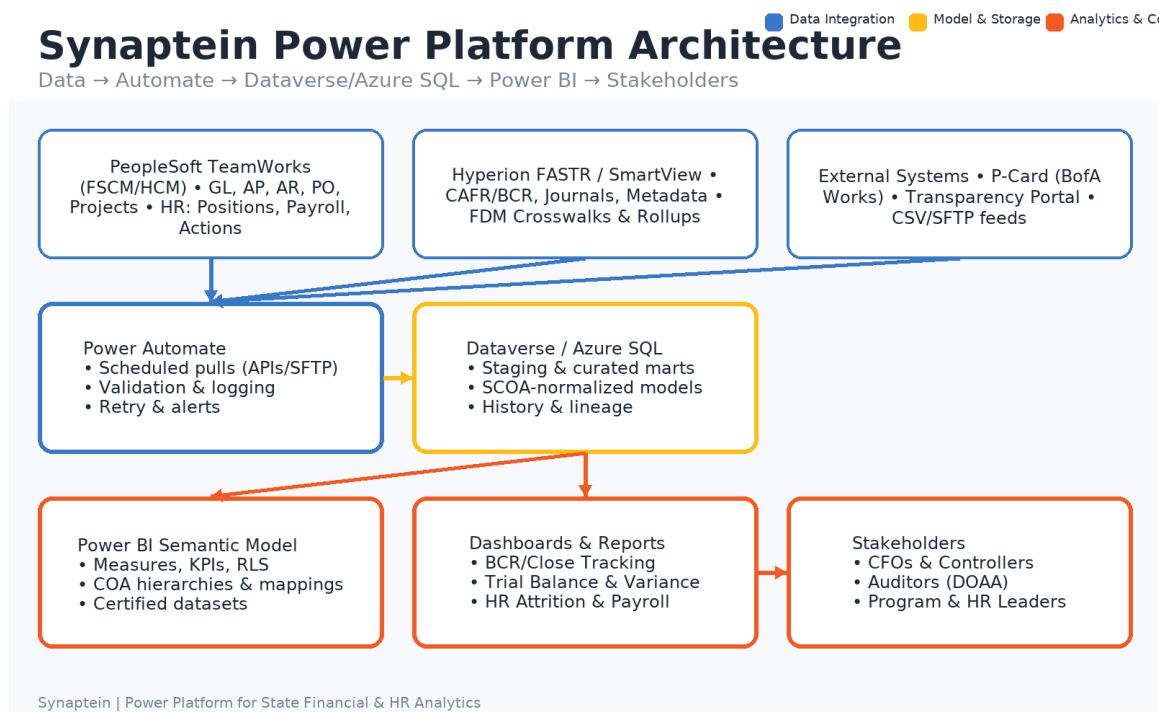
4. Governance & Audit Support

- Automated exception reporting replaced manual ACL scripts.
- Reports linked back to transaction IDs for full audit traceability.
- Self-service dashboards improved transparency and auditor efficiency.

Outcomes & Benefits

- Time savings: close-cycle analytics reduced from 5+ days to near real-time
- Transparency: shared dashboards improved oversight across agencies
- Accuracy: SCOA-driven models reduced reconciliation errors
- Scalability: quarterly refresh cycles replaced annual-only extracts
- Audit efficiency: audit prep time cut by 40%

Architecture Overview



Lessons Learned

- Early investment in SCOA-driven data modeling ensures consistent reporting
- Power Automate + Power BI effectively replace legacy ACL scripts
- Strong governance is needed to maintain benchmarked queries and mappings
- Role-based dashboards increase end-user adoption