

Bring  
**accuracy,  
traceability and  
certainty** into your  
**BSP Regulatory  
Submissions**



## Atumverse

Bangko Sentral ng Pilipinas (BSP) Reporting

### Challenges faced by Banks globally in Regulatory Reporting

#### Compliance does not lead to revenue enhancement

It is an undeniable fact that banks worldwide are faced with numerous challenges when it comes to fully complying with regulatory submissions. Unfortunately, adherence to these requirements does not always result in increased revenue or improved bottom lines. As a result, technology solutions for regulatory reporting may be met with resistance when seeking budget approvals, as they are often viewed as less financially

impactful than revenue-generating IT projects.

Consequently, regulatory reporting solutions are frequently overlooked and implemented using a patchwork of methods such as transaction processors, spreadsheet macros, manual computations, and emails. It's no surprise then that the quality of these submissions is often suboptimal.

## **Regulators are constantly evolving their requirements**

Regulators, like any other institution, are not immune to making mistakes or oversights. This is reflected in the ongoing evolution of regulatory requirements, which can be challenging to keep pace with. As a result, regulatory requirements are subject to frequent changes, making compliance even more difficult for banks.

As global attention increasingly shifts towards risk management and governance, it is reasonable to anticipate that regulators will continue to increase their oversight and expand the scope of regulatory submissions. This trend is likely to continue in the future.

## **Transaction Processing systems are not built for regulatory submissions**

Banks currently face the reality of utilizing multiple systems for various products, often from various vendors, each with their own distinct data models. These systems are primarily designed for transaction processing and not for regulatory reporting, yet the data

contained within them is necessary for fulfilling regulatory submission requirements. Extracting, consolidating, and amalgamating data from these diverse systems to create accurate regulatory submissions is a significant challenge.

## **Regulatory Reporting in BSP – Evolution & Current State** **BSP Submissions FRP | ERREE | BRIS | Agri-Agra | MSME**

The Philippines banking sector is subject to a variety of regulatory reporting requirements, including the Financial Reporting Package (FRP), Expanded Report on Real Estate Exposure (ERREE), Branch Regional Information System (BRIS), Report on Compliance with Mandatory Agri-Agra/MSME, and other reports. The specific reports required are determined by the bank's

license and business operations. The FRP is a set of financial statements for prudential reporting that includes the Balance Sheet, Income Statement, and Supporting Schedules. It is designed to align the Bangko Sentral ng Pilipinas (BSP) reportorial requirements with the Philippine Financial Reporting Standards (PFRS) and the Basel Capital Adequacy Framework

## **Move towards IFRS9 | Risk based CAR (Basel) | OBU Classification**

Recently, the Bangko Sentral ng Pilipinas (BSP) has introduced significant changes to the Financial Reporting Package (FRP) that not only impacts the reporting structures and requirements but also mandates banks to move to a more standardized submission mechanism. The new regime overhauls the standards for classification, measurement and impairment, aligning them with the global IFRS 9 standards and computation of risk-based Capital Adequacy Ratio (CAR) as per the Basel framework. Additionally, the structural revision of FRP schedules reflects changes in the classification of Offshore

Banking Units (OBUs) as resident counterparties. To enhance the speed, accuracy, and efficiency of validation, processing, and feedback mechanisms, BSP also aims to move away from email-based and FI portal-based submission to API-XML based submission. The API-XML based submission improves the speed, quality, and security of data transmission and analysis. This approach will rationalize future report requirements and potentially reduce regulatory burden and penalties for non-compliance.

## Move away from email and excel workbooks to API-XML

The global regulatory landscape is shifting towards greater standardization and harmonization of metrics and definitions across guidelines and reports, and an increased emphasis on the submission of

detailed contract and transaction-level data. This trend is driving a need for stronger internal collaboration and advanced technology solutions within financial institutions.

## Regulatory Reporting in BSP – Evolution & Current State

### XML | XBRL | XFDF

Many regulators have already moved away from traditional excel and email-based report submissions and are increasingly adopting straight-through processing and API-based submissions using technologies such as XMLs, XBRL, and XFDF. The new regulatory reporting requirements introduced by the Bangko Sentral ng Pilipinas (BSP) align with this global trend and reflect the organization's

efforts to streamline regulatory guidelines and bring them in line with international standards. This approach is particularly relevant in the Philippines, where the banking sector is rapidly embracing digital and new-age banking technologies. These initiatives will help to strengthen and improve the overall health of the Philippines Banking ecosystem.

## Atumverse Platform – A brief

### Atumverse | Transaction Flows | Data pipelines | Integration Hub

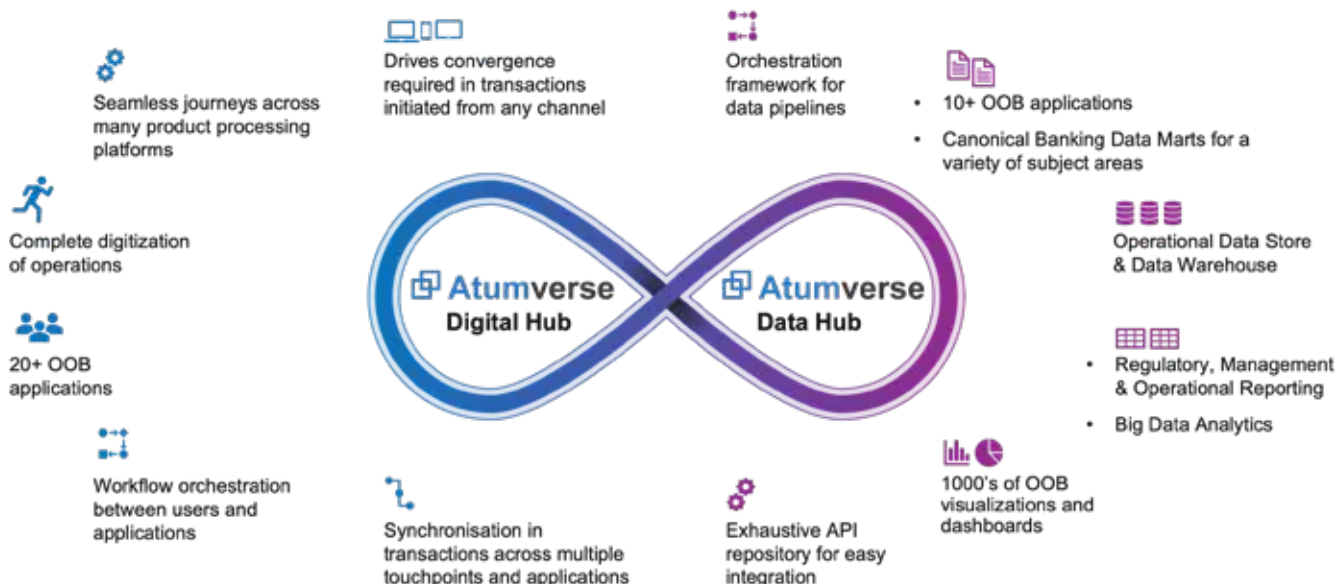
Atumverse is a powerful data and transaction orchestration platform built using a low-code paradigm. Atumverse simplifies the management of data and transaction journeys across your enterprise. Its key

feature is the Atumverse framework that enables you to create transaction flows such that transactions originating from multiple channels converge into a single middle office platform for downstream actions.

## Single & Convergent Middle Office Platform – across Channels and Products

With a wide variety of core product processors in banks, Atumverse allows banks to create a single convergent middle office

platform that orchestrates transactions across various channels (on the upstream) and product processors (on the downstream).



## **Atumverse Studio** Build workflows, screens, integrations and notifications

Atumverse enables banks to create workflows, build related screens and integrate APIs using an intuitive drag-and-drop interface.

These flows seamlessly integrate with other core systems of the enterprise

## **Atumverse Reg Reporting – crafted for Regulatory Submissions**

### **Built ground up with singular focus: Regulatory Reporting**

The Atumverse Regulatory Reporting platform has been expertly designed with a singular focus: to provide unparalleled

accuracy, traceability, and certainty in the regulatory submission process for banks.

### **Low code framework driven solution | BSP reports fully manifested with template definitions, element mappings and workflow**

The platform utilizes a unique, element-centric approach to regulatory filings.

that banks simply need to provide their data according to the pre-defined schematic.

Utilizing a powerful, low-code framework, we've meticulously crafted report definitions, associated templates, and element definitions, all of which are seamlessly integrated into our data models. This means

Our platform then handles all necessary mappings, automatically producing accurate element values and report outputs. This approach significantly streamlines implementation and saves valuable time.

## **Platform as a Service**

Eliminating the need for software installation, the Atumverse Regulatory Reporting platform is fully hosted in the cloud on a "Platform as a Service" basis. Utilizing Amazon Web

Services, the platform, and all associated data is securely stored in the AWS Philippines data center, ensuring compliance with domestic data storage regulations.

## **Rule Driven | Data Quality Checks | Report Validations**

Though the platform comes with pre-built transformation rules, element mappings, data and rule validation rules and workflow

processes, banks can easily customize and optimize these definitions to meet their unique requirements.

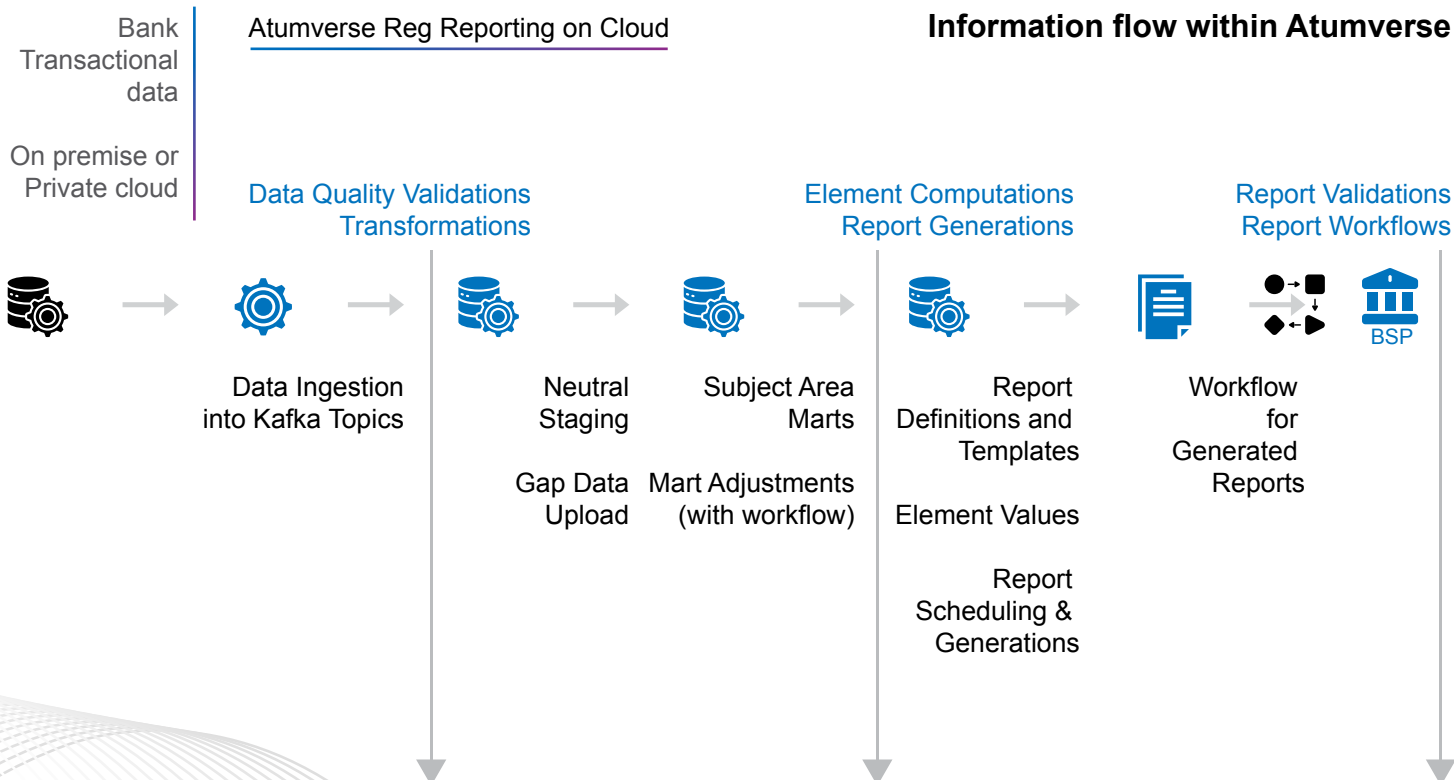
## **Data Lineage | Trace every data point right up to the origin**

Atumverse offers unparalleled traceability, allowing you to trace the lineage of every measure and data point in your regulatory submissions with ease.

point, our platform empowers you to demonstrate compliance, transparency and control over your regulatory submissions.

By facilitating recall of exact records from the ingested data that contributed to the data





### Rule driven Validations

Column-specific validation checks to ensure accurate data expression, adherence to cleanliness standards, identification of outliers, elimination of duplicates, compliance with established formatting guidelines, and adherence to catalog compliance regulations.

Aggregate validations to ensure completeness of data, identify outliers, evaluate periodic variations, and analyze ratios for accuracy and consistency.

Execute validations in stages - data ingestion, transformations, and computations, to ensure the integrity and accuracy of the data.

### Rule driven transformations

The system ships with canonical data marts for various subject areas. Ingested data is transformed into marts by predefined transformation rules.

Create custom transformation methods for further flexibility and extensibility

### Element centric approach

Report Definitions are composed of Elements which are individually computed and stored for traceability.

Element values are computed using the data marts

Banks can trace the element values to the marts and from marts to the ingestion source.

### Report Definitions

The platform ships with predefined BSP reports with the necessary XLS and XBRL-XML templates and element mappings.

BSP updates on formats, catalog values and definitions are made available on the platform using periodic software updates.

Banks can test these updates on their sandbox and choose when to switch over to newer versions.

### Report Validations

Pre shipped Rule Templates to validate report elements for consistency within and across reports

Banks can customize these rule templates to incorporate validations unique to their requirements.

### Report Workflows

The platform incorporates a Workflow Engine and ships with a standard workflow for every Report.

Banks can customize these workflows to suit their requirements.

## Cloud Native

Built to scale | Secure | Asynchronous | Containerized | Kubernetes | Highly Available

The Atumverse Regulatory Reporting platform has been designed to provide an asynchronous, multi tenanted and containerized environment utilizing microservices built with Spring-Boot and Angular.

We utilize the power of Kafka for efficient messaging and Postgres for robust data storage, ensuring a reliable and high-performance solution for your business needs.

The platform has been built with security as a top priority, ensuring that it is not only audited and certified to protect against vulnerabilities and penetration, but also designed to provide

the highest level of protection for your sensitive data and operations.

The platform is designed to scale seamlessly to handle growing demands by effortlessly scaling out using Kubernetes clusters. This ensures that your business can continue to operate at optimal capacity, even during periods of high traffic or increased usage.

The platform has been engineered for high availability, incorporating failover mechanisms in all its individual components. This ensures that your business always remains online and operational.

## BSP Reports covered by Atumverse

### 8 Subject Areas

General Ledger

Loans

Bills

Securities

Derivatives

CASA (Current & Savings Accounts)

Deposits

Money Market

## 22 Catalog Definitions

Business Function

Counterparty Type

Original Maturity

Amount Bucket

Purpose Type

Collateral Type

Product Lines

Past Due Status

PAS-IFRS9

Account Status

Transaction Type

Portfolio Type

Counterparty Industry

Issuer

Guarantor

Hedge Class

Reporting Flags

ROPA and NCAHS

GL Resident

Ledger Type

Security Lien Type

Issuer Category

## **198 BSP Reports**

CFXNOP Consolidated FX Position Report	02
DSIB Domestic Systemically Important Banks	03
FXFORM1 Reports	02
International Transactions Reporting System ITRS	12
INTRADAY Liquidity of Philippine Banks	04
Others	07
BLR - Basel III Leverage Ratio	06
Regular / First Certified Statement (RCS or FCS)	10
Branch Regional Information System (BRIS)	07
Report on Compliance with Mandatory Agri-Agra	12
Expanded Report on Real Estate Exposure (ERREE)	06
Compliance Report with Mandatory Credit Allocation - MSME	10
Statement of E-Money Balances and Activity	02
Report on Repurchase Agreements (Repo Report)	03
Income Statement on Retail Microfinance Operations	02
Financial Reporting Package	110
<b>Total # of Reports</b>	<b>198</b>

## **Our Presence**



**India**



**Germany**



**Canada**



**Singapore**



**UAE**