PRIMEUR DATA ONE®

DATASHEET

PRIMEUR DATA ONE® is the new Primeur Hybrid Enterprise Data Integration Platform. Modular, scalable and open to connect to third-party tools, it has been designed to simplify and accelerate all Data Integration processes and to keep integration dataflows always under control. It can federate various integration technologies and capabilities from a single central point preserving existing IT systems, know-how and investments, optimizing efficiency and productivity. PRIMEUR DATA ONE® embeds dataflow modeling and governance, data manipulation, transport and connectivity tools, delivering a seamless integration platform for all integrators, file and object data.

Data Integration Challenges

Data is gaining exponential value and importance in this digital era where organizations must achieve frictionless Data Integration to operate efficiently and unlock data value. Often data is produced and managed from different technologies, tools and applications developed and deployed in different times and for different specific needs. This phenomenon generates data silos, making data communication and data management problematic and even impossible. Indeed these applications need to share data and information to deliver a smart, efficient and secure operativity. If a poor Data Integration Strategy is put in action, operations become complex, time and human consuming, multiplicating errors and risks. To solve these issues, companies need a flexible solution able to integrate different technologies, from different providers, delivering sureness in data transfer, data control, dataflow monitoring, data transformation and compliance with data privacy laws.

PRIMEUR DATA ONE®, flexible and secure

PRIMEUR DATA ONE® is a modular, flexible hybrid platform able to integrate third-party technologies, creating harmonic and secure dataflows. Based on the Contract Oriented Architecture (COA®), a methodology completely developed by Primeur, DATA ONE® is the result of more than 30 years of expertise integrating data for the most important Fortune 500 companies worldwide. PRIMEUR DATA ONE® can be composed of four different modules, fully integrated and accessible from a unique point, delivering an extremely friendly and intuitive user experience. Thanks to this modular approach, customers can activate just the modules they need to address their specific use cases and tailor the platform according to their real operative needs, easily growing only when their integration requirements evolve. Furthermore, each module can be deployed as a fully integrated component or as a lean standalone solution able to solve specific integration needs.

·primeur· | **DATA MOVER**

MFT module, it moves data securely across multiple protocols and multi-platform systems, owning the responsibility and control to deliver the file at the right time to the correct recipient.

·primeur· | **DATA SHAPER**

Data Transformation module, it provides quick and flexible any-to-any data transformations. It is designed to work perfectly with DATA MOVER® complementing and boosting its capabilities.

·primeur· | **DATA WATCHER**

Dataflow Monitoring module, it provides end-to-end visibility and control of any MFT dataflows, from source to destination, including possible transformations and third-party technologies.
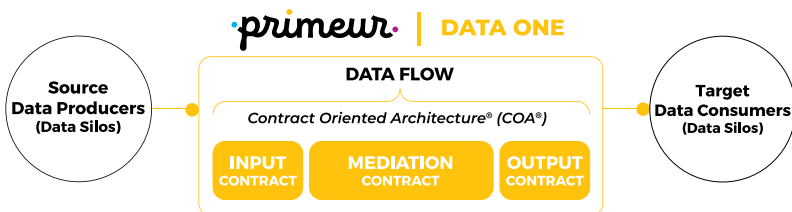
·primeur· | **DATA PRIVACY**

GDPR readiness module, it accelerates Data Privacy law alignment with high automation, Interactive Maps, powerful Data Discovery, multi-language support and Data masking.

Contract Oriented Architecture® (COA®)

To efficiently address Data Integration problems, Primeur has developed an innovative, unique and extremely powerful methodology to regulate all the integration processes: the Contract Oriented Architecture® (COA®). The COA® represents a revolution for the Data Integration world, introducing a neat and powerful concept to govern any Integration need: the Contract.

DATA ONE® uses the COA® to organize all the integration processes in three main steps (data input, mediation and data output) and the Contract to define the rules, policies and constraints for each step. Thanks to the use of COA®, DATA ONE® allows users to easily model, plan, manage and control any Data Integration process end-to-end. Furthermore, it fosters cooperation between Business and Technical teams allowing to share a clear vision of integration requirements and to configure integration flows in a standard and consistent way. The use of Contracts also ensures maximum reusability of configuration modules, pre-configured process templates and data used for integration, speeding up the integration process, maximizing efficiency and facilitating operational maintenance. The COA® allows total control, savings and operative advantages.

✓ Easily change each phase without impacting Data Producers or Consumers.

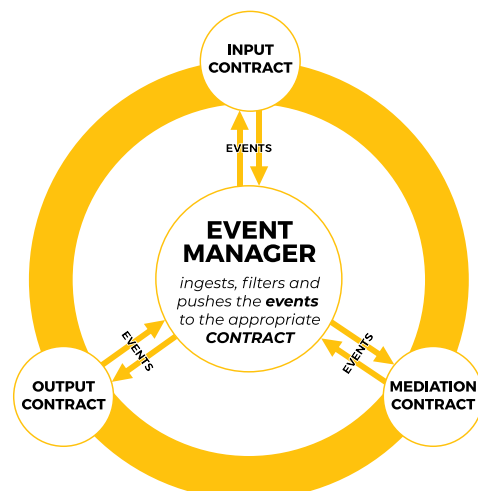✓ Reuse contracts (or part of them) in other different integration needs.

Main characteristics

- **Flexible deployment** supporting Cloud, distributed environments and Mainframes in addition to seamless Disaster Recovery support.

- **Operative platform for all integrators** with a single point of control, built-in monitoring, intuitive UI and reusable configuration assets that allow effective cooperation between Business and Technical people involved in integration.

- **Easy clustering and true scalability** allowing users to easily build Active/Active clusters for all components and scale to very large deployments and data volumes.

- **Alignment with the highest security standards** of authentication, authorization, audit, data encryption at-rest and in transit and DMZ gateway providing an isolation layer to securely manage data traffic with the external world.

Key capabilities

- **Event-driven architecture.** In PRIMEUR DATA ONE®, the Event Architecture underpins Contract Oriented Architecture® (COA®) and allows to regulate the contracts execution through different types of events managed by an Event Manager. This event-driven architecture also removes the need for time-based polling where other solutions continuously check if new data is available or if anything has changed, leading to performance degradation and complex implementations.
PRIMEUR DATA ONE® event-driven architecture reacts to manual, scheduled, REST APIs and AWS Lambda events and manages event priorities to help to build simple and powerful

configurations that preserve performance and facilitate operational management.

- **Full decoupling between data producers and data consumers.** With PRIMEUR DATA ONE®, data producers and data consumers are never in direct relationship. Indeed data producers deliver the data to PRIMEUR DATA ONE®, which manages and delivers it to the correct recipients, at the specified time and in the specified format. This allows complete independence of the applications that need to exchange data, making them free to evolve, be replaced or modified without affecting the overall data integration scenario. Concretely, applications and/or partners involved in the integration process can be modified at any time or used in different ways, without any impact on the other applications and partners.
This ensures extreme agility to react to changes, better control, higher security and increased scalability to support thousands of partners.

- **Asynchronous operations.** Data producers and data consumers may have different timing constraints of data production and use. Being asynchronous eliminates problems and risks related to production and delivery time. In this way data can be used according to consumer specific requirements and not necessarily on the basis of the production time. Data has always to be seen as a two-dimensional entity: a piece of data without the right timing is useless.

- **Harmonization and orchestration of third-party integration tools.** PRIMEUR DATA ONE® maintains the operational autonomy of integrated technologies enabling their cooperation while allowing them to evolve autonomously without interfering with other technologies. This preserves existing investments and allows smooth adoption of the new technology.

Key business benefits

- **Capitalizes previous investments.** PRIMEUR DATA ONE® perfectly working with third-party tools, fits within the existing IT environment avoiding rip-and-replace approaches and maximizing its investments.

- **Improves efficiency and performance.** PRIMEUR DATA ONE® delivers operational time savings and better investments control thanks to its modular structure. Furthermore, enhancing IT lifetime and performance, it supports sustainable long-term financial performance.

- **Simplifies integration design and operational maintenance.** Thanks to the COA®, complex flows are designed in standard and organized activities, promoting reusability and separation of duties. The results are better operativity and control, minimizing errors and risks.

- **Identifies issues in advance.** PRIMEUR DATA ONE® allows full control and visibility on data location, it anticipates and isolates operational problems preventing them to become a business and operative issue.

- **Total freedom of evolution.** Working in a fully decoupled mode, allows data producers and data consumers to never be in direct connection. This means that applications related to DATA ONE® can change over time in a total freedom of evolution with no repercussions.

- **Cooperation between Business and Technical stakeholders.** The use of COA® and a clear separation of duties, accelerates the integration process and facilitates the reuse of configuration assets, saving time and creating an efficient cooperation between functions.

For more information: dataone@primeur.com