Omni-CAPI: A Reference Architecture* for a Non-Linear Journey

ACCELERATING CLIENTS' CAPI ADOPTION THROUGH REUSE

*for educational purposes v6 October 2024





Problem Statement

[P5 4th pillar] Some clients still struggle with sending good quality 'signals' - the raw material for Meta's state-of-the-art machine learning.

[P5 2nd pillar] Clients might have suboptimal ASC+ campaigns' results without a proper signals integration.

[P5 4th pillar] Customers can become confused with so many CAPI "flavors", resulting in an overhead due to multiple CAPI integrations.

Solution

CAPI is CAPI: it should be a single "pipeline" between the client's and Meta's servers.

A reference architecture can provide clients with recommended structures and integrations of IT components to form a single CAPI solution yet encompassing all channels.

This material could be used for:

- i) a technical consultation (1:1);
- ii) technical advocacy (1:few) events; and
- iii) scalable technical acceleration (1: many) together with the open-source sample program.

^{*} Meta Performance 5 (P5): en, pt-br

WHY SHOULD CLIENTS CARE?

Having the right solutions architecture in place allows clients to save business time and money.

CHANNELS & SYSTEMS



WhatsApp

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Physical Store









CRM

nnel events



IT Team



CDP



3rd Party Platform

oer-funnel events

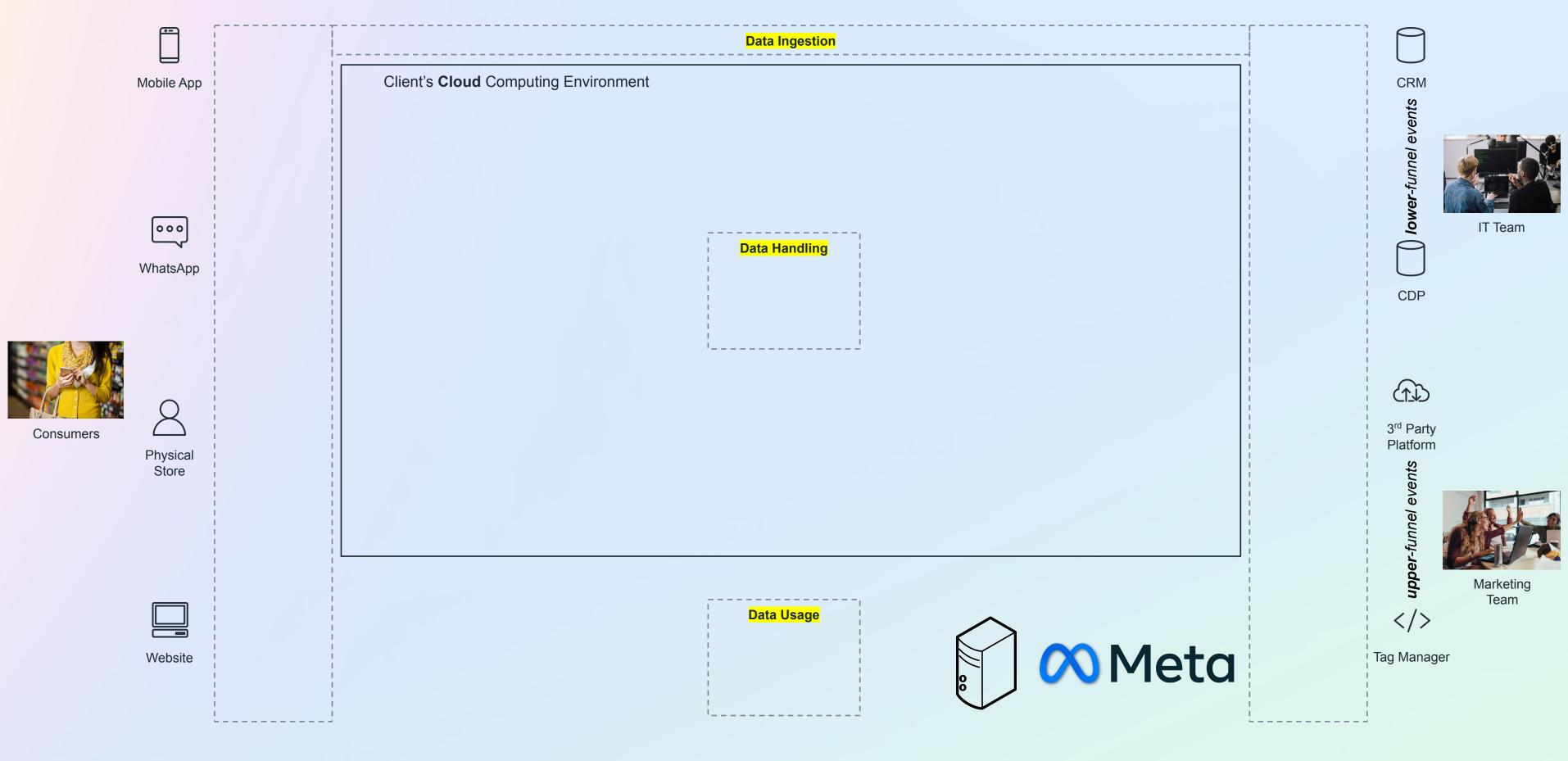


Marketin Team

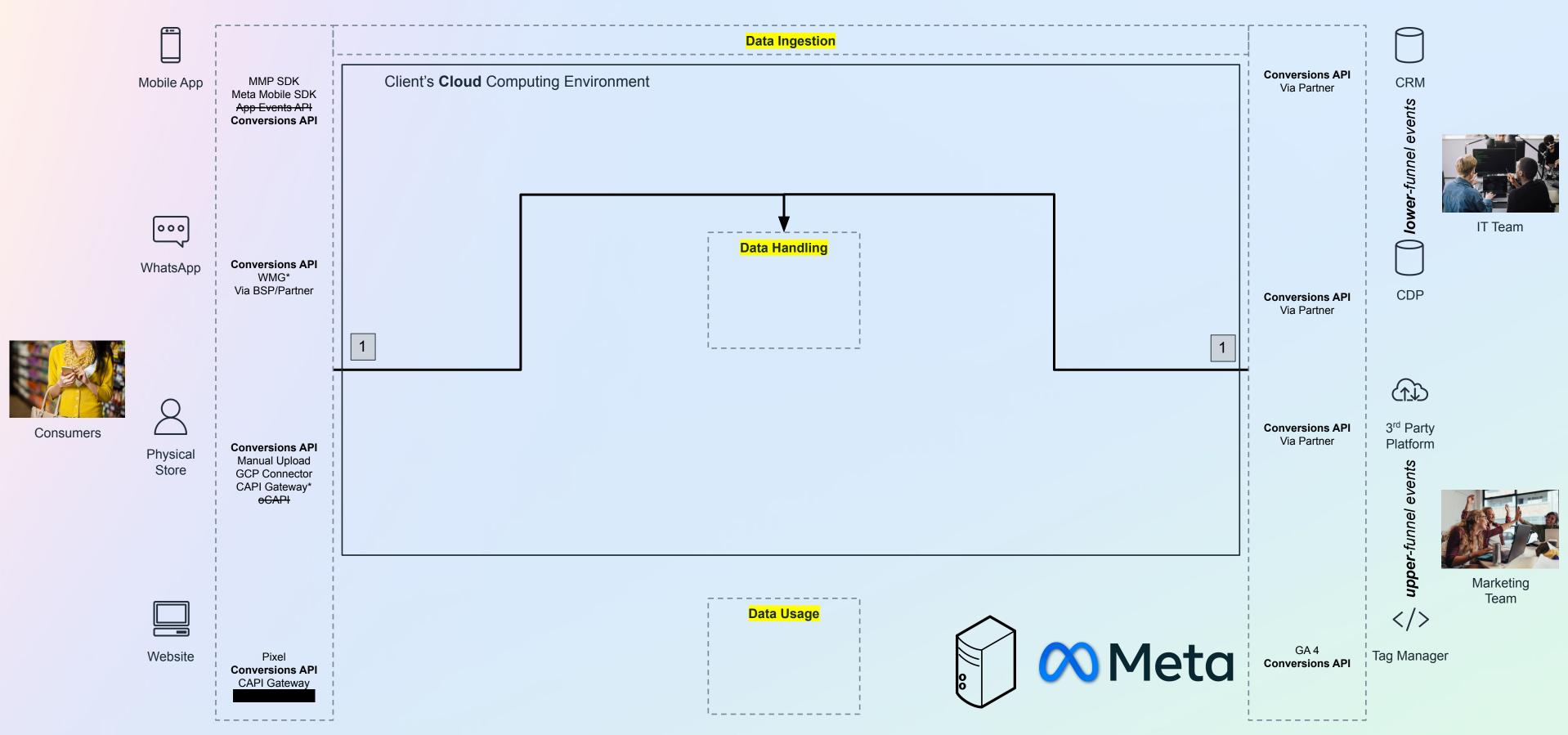


Tag Manager

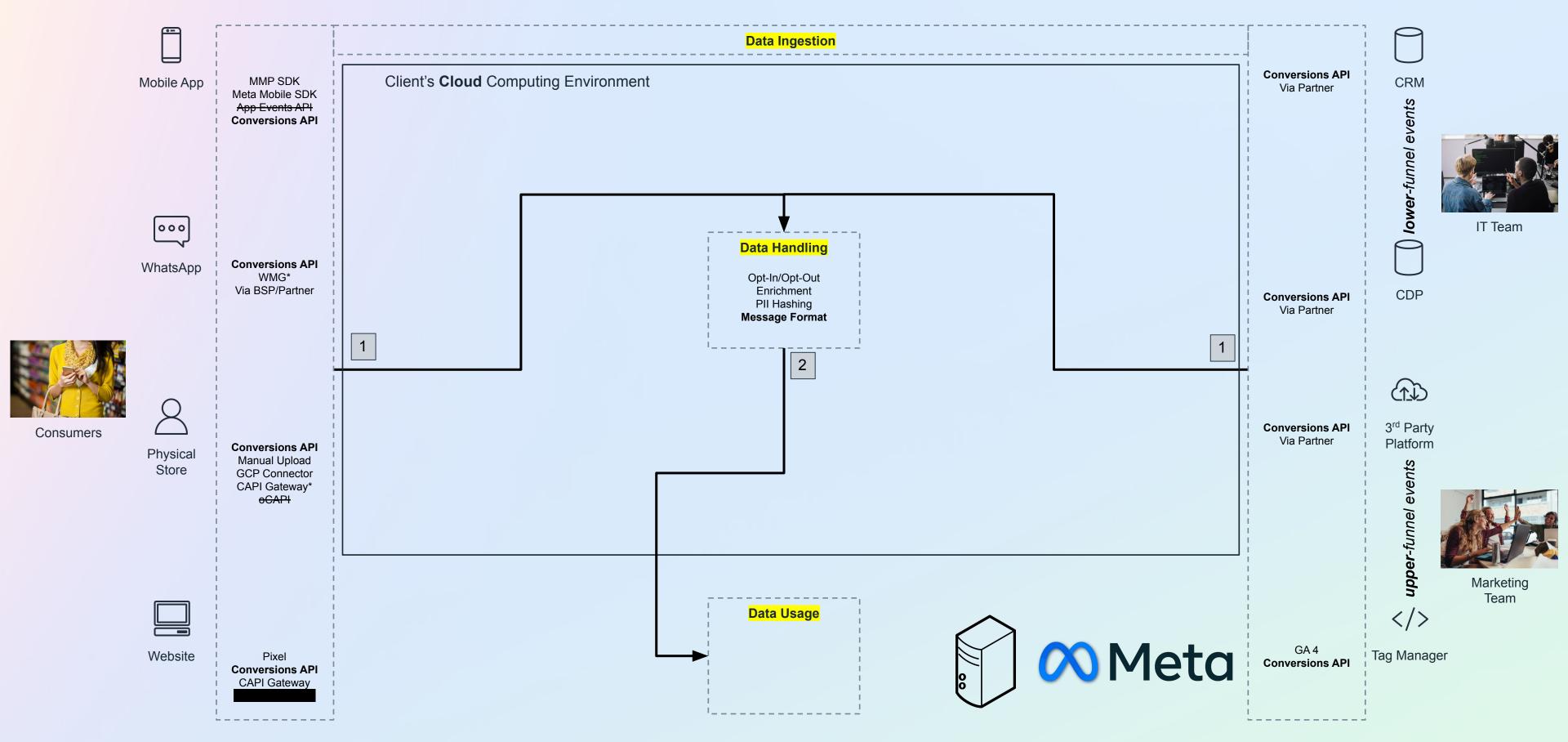
MACRO PROCESSES



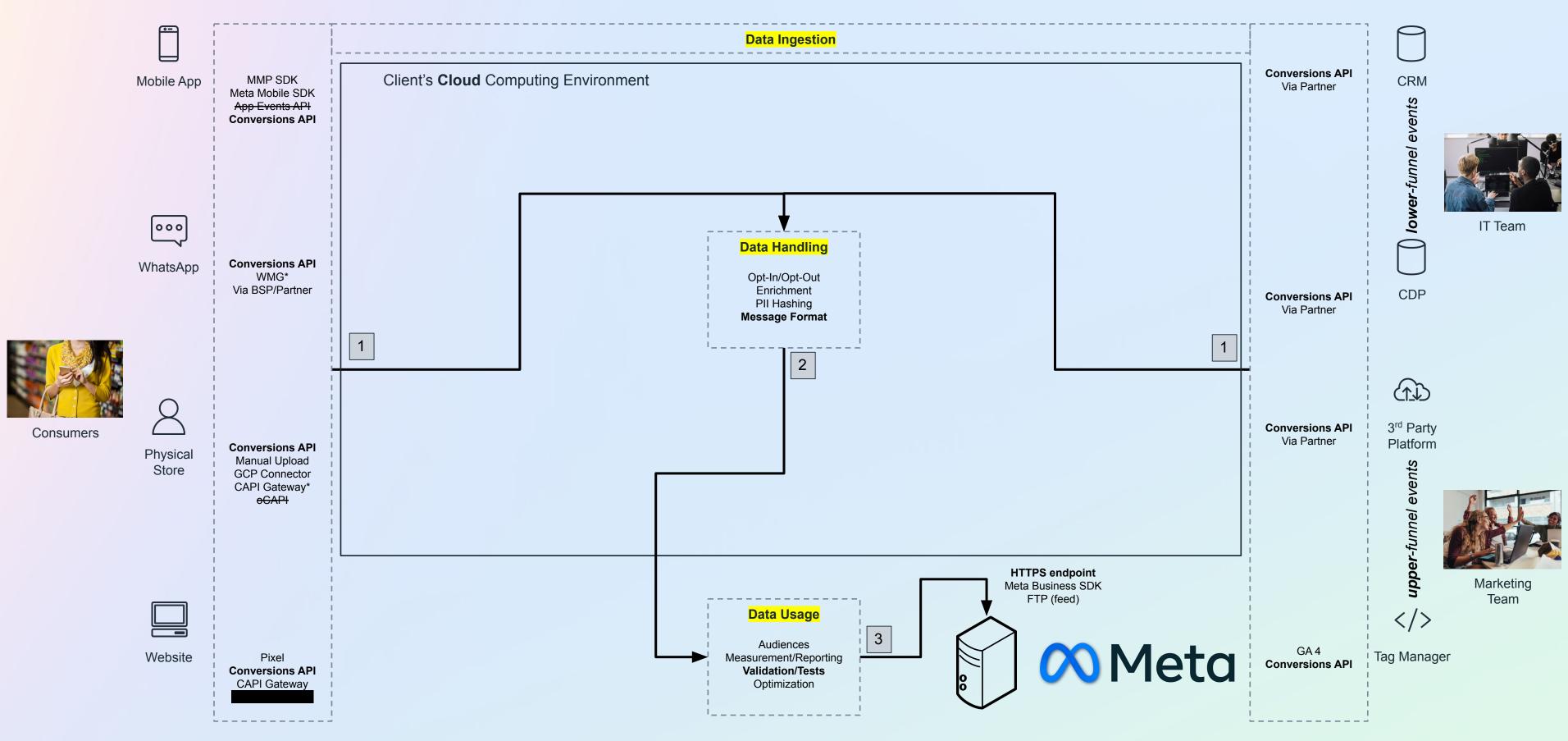
KNOW YOUR INGEST OPTIONS



TAKE PRIVACY INTO ACCOUNT



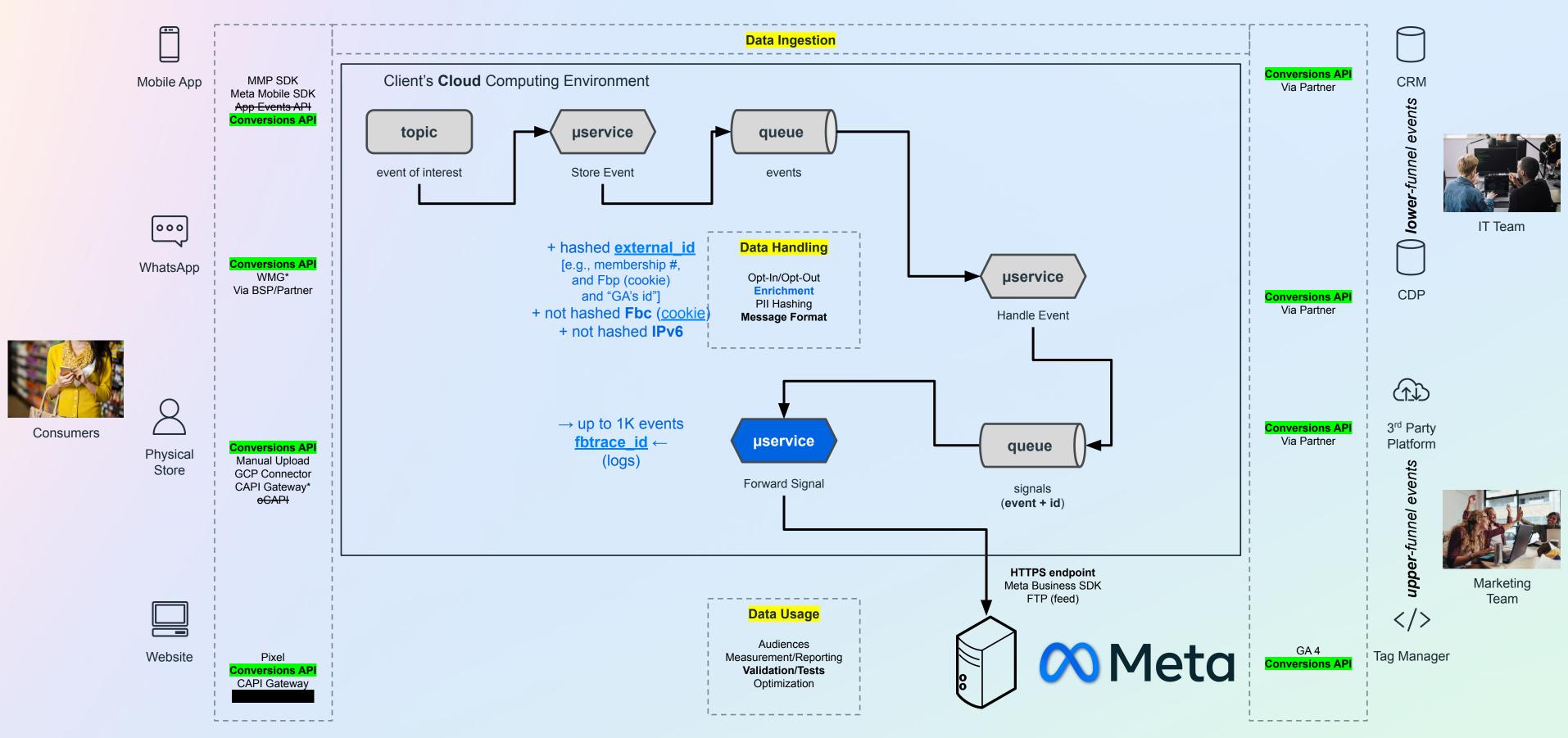
(P5) BUSINESS RESULTS VALIDATION



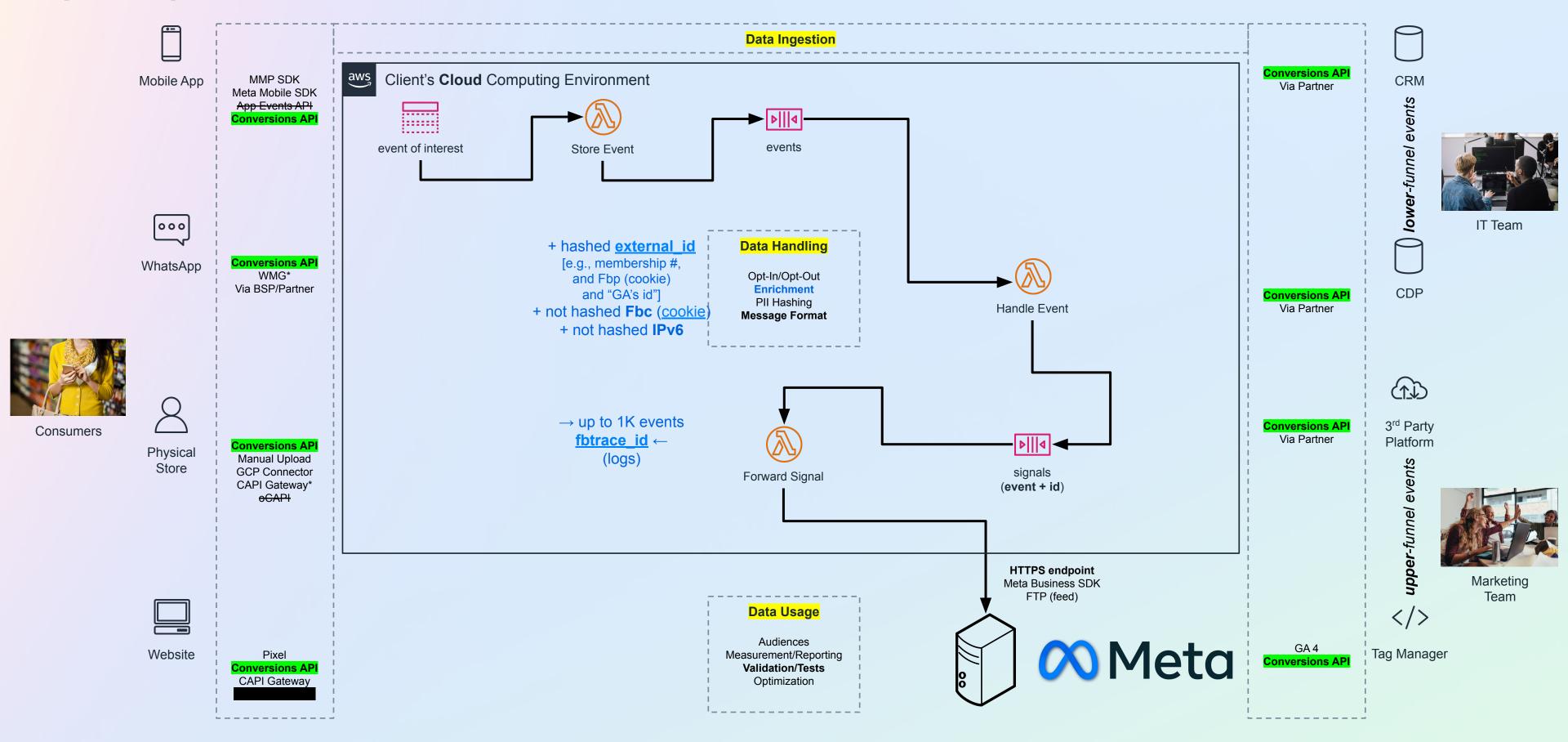
Event-Driven Architecture

- An architectural approach/pattern that applications can leverage regardless of their programming language or platform.
- A system of **loosely coupled microservices** that exchange information with each other through the **production and consumption of events**.
- Advantages include:
 - Producers do not need to worry about how the events they produce will be consumed (so additional consumers can be added without affecting producers).
 - Consumers don't need to worry about how events were produced.
 - This loose coupling provides a level of resiliency within the system, so,
 if a microservice goes down, the application can continue running in its absence.
 - This is achieved by storing events in the messaging backbone
 so that the consuming service can retrieve them when it recovers.

OMNI-CHANNEL CAPI AS AN EVENT-DRIVEN ARCHITECTURE



[EXAMPLE] OMNI-CHANNEL CAPI AS A NEAR REAL-TIME EVENT-DRIVEN ARCHITECTURE ON AWS



Let me give you Six Next Steps

- 1. Make sure you familiarize yourself with our <u>Performance 5</u> (P5) framework for growth
- 2. Keep improving your <u>event match quality</u> (signals) for better performance
- 3. Leverage both strategies for <u>lead acquisition</u>: Lead Ads and Conversion Leads
- 4. Take advantage of the growing impact of **Short-Form Video** in your product catalog
- 5. Understand the key for getting the most out of Advantage+ ads: <u>a strong catalog</u>
- 6. Consolidate your omni-channel presence by learning more about your customers using app-based signals

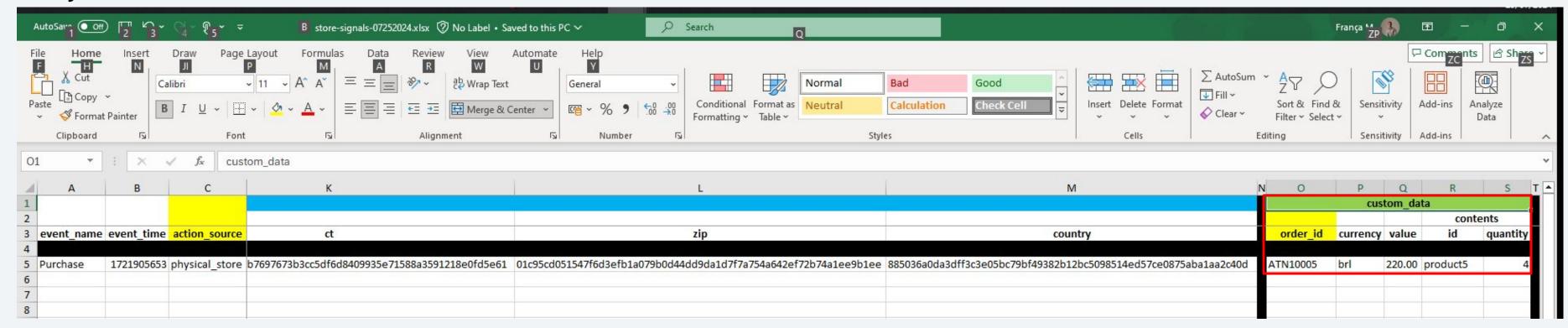
New Omni-CAPI Technical Accelerator

- C# Open-Source sample leveraging our Postman collections
 - Adaptable for running in the cloud (serverless)
 - Customizable for different spreadsheet columns/names
 - Can forward data from different channels (formats)
- Illustrates some **best practices** for a CAPI integration
- Allows for bootstrapping an Omni-CAPI integration
 - Can reduce time-to-market
 - Getting dev teams up to speed by not starting from scratch

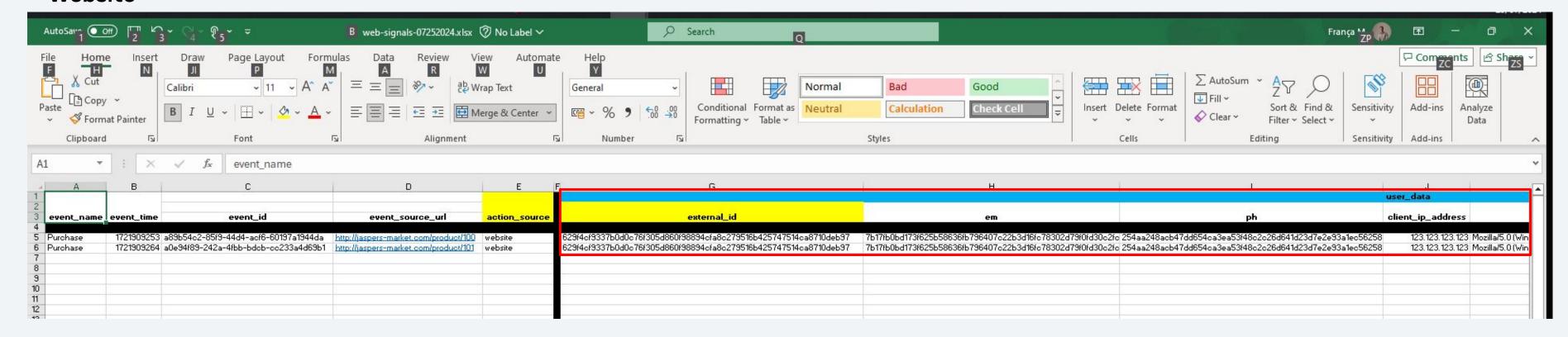
events uservice channel' Forward Signal events spreadsheet All CAPI (CSV file) full customizable "flavours" C# sample code Postman (batch file) collection (JSON file) channel Meta Servers CAPI HTTPS endpoint Signals Dataset (Events Manager)

SAMPLE: CSV FILES - PHYSICAL STORE AND WEBSITE

Physical Store

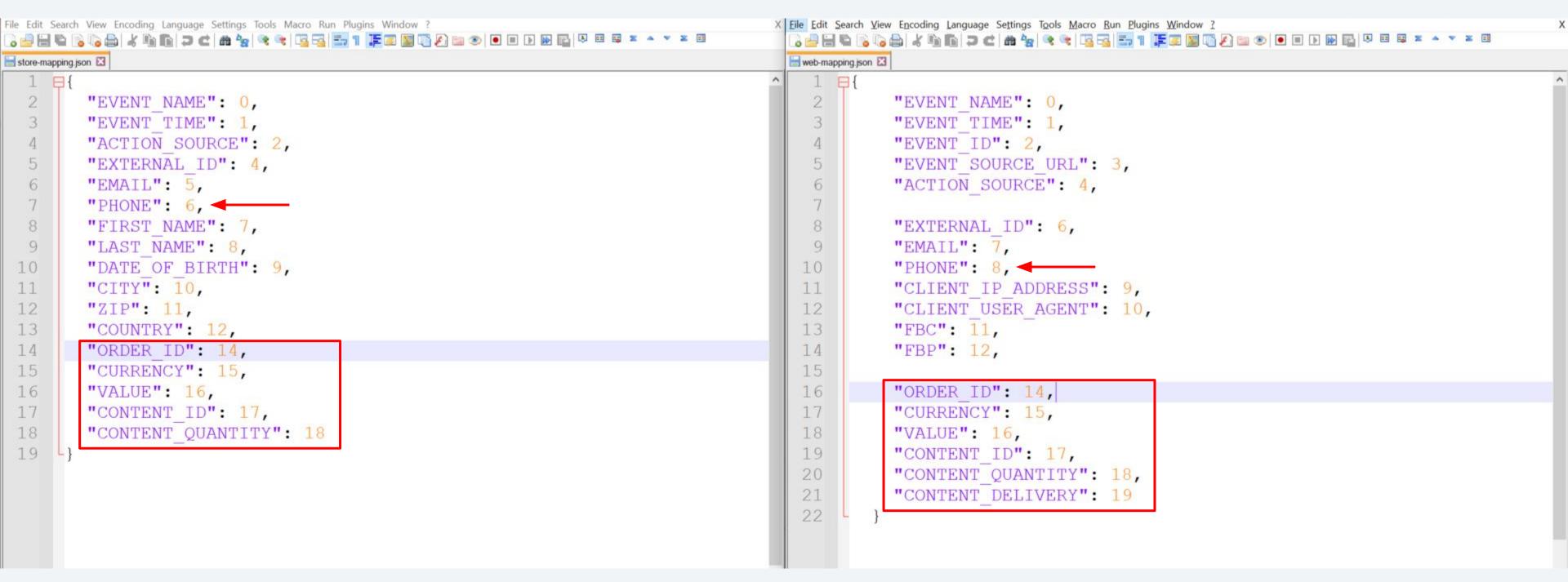


Website

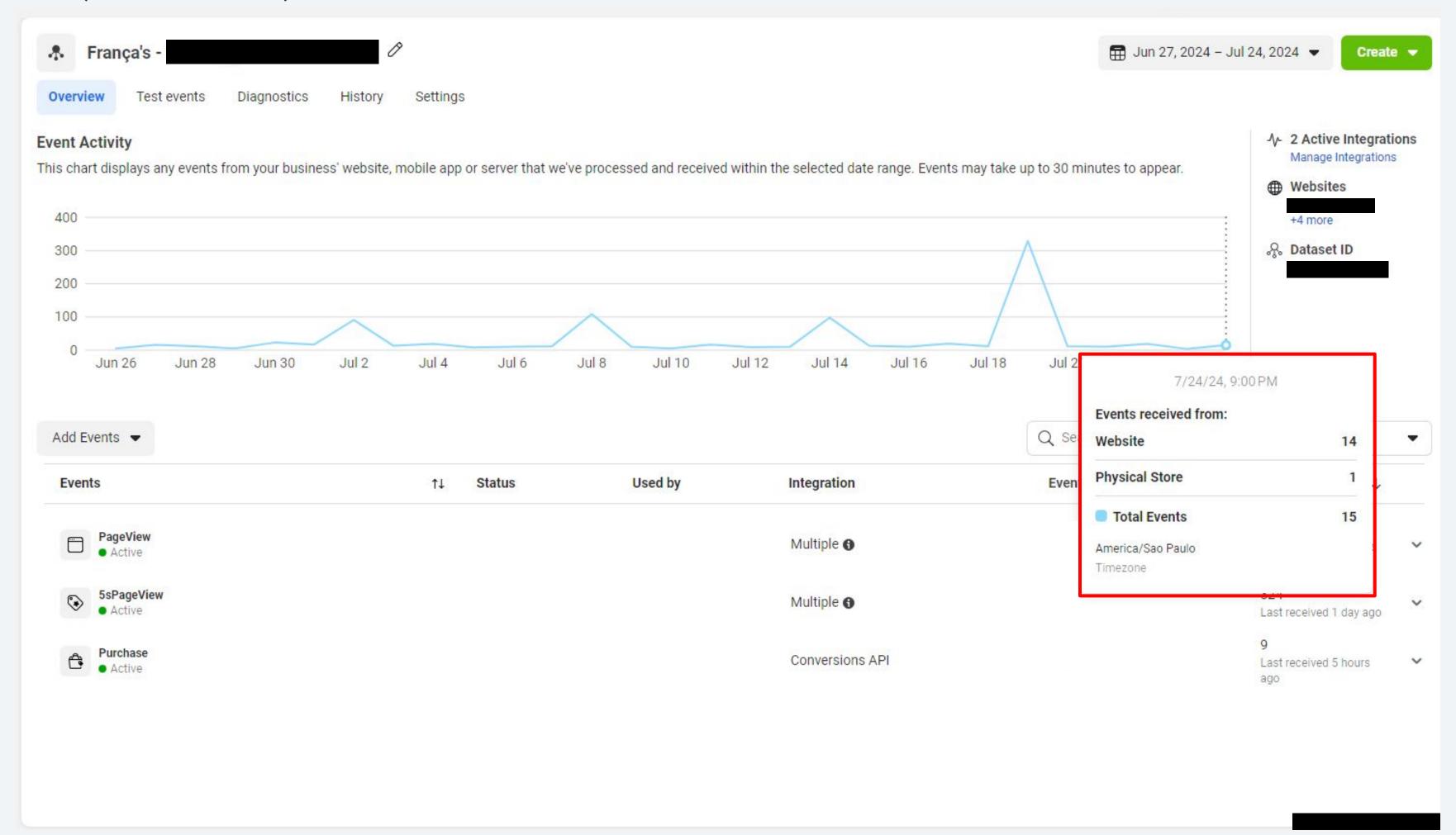


Physical Store - phone number on column "G"

Website - phone number on column "I"



DATASET (EVENTS MANAGER)



Thank You

Ezequiel González Busquin – Business Engineer

Sean Bedford – Business Engineer

Vitaliy Sobur – Solutions Architect

Ashish Kharbanda – Solutions Architect

Erion Fishta – Solutions Architect

Akash Puri – Solutions Architect

Alan Wong – Business Engineer

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