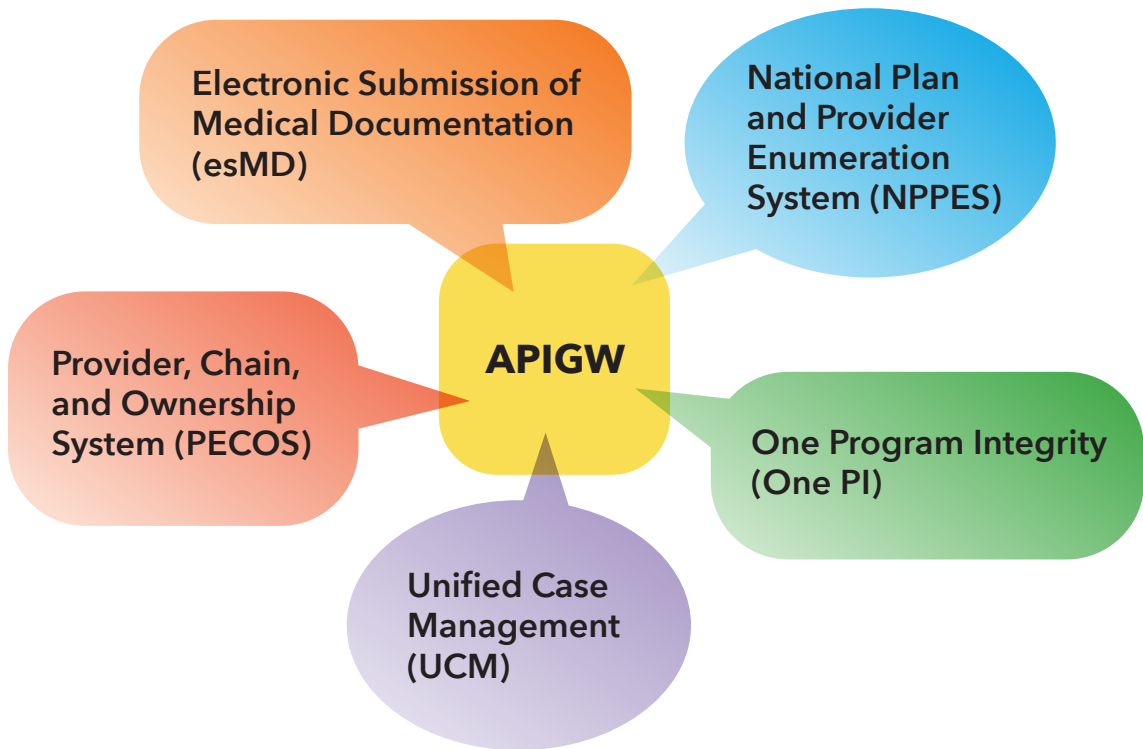**dasG**

DATA ANALYTICS & SYSTEMS GROUP

Application Programming Interface Gateway

APIGW

PROMOTE TRANSPARENCY AND FACILITATE COLLABORATION

The APIGW is a CMS Center for Program Integrity (CPI) initiative that promotes transparency and facilitates collaboration by improving the ability to share Medicare provider and investigative data.

An application programming interface (API) functions as an intermediary, allowing two or more applications to communicate. Through API governance and infrastructure enablement (such as network connectivity and endpoint-to-endpoint security), the APIGW accelerates integration with the following CPI systems:

Electronic Submission of Medical Documentation (esMD)

National Plan and Provider Enumeration System (NPPES)

Provider, Chain, and Ownership System (PECOS)

APIGW

One Program Integrity (One PI)

Unified Case Management (UCM)

The APIGW offers a consolidated, single-pane view of provider and investigative data that can display near real-time information depending on the source (data mart vs. database). By eliminating the need to access multiple provider and investigative systems, the APIGW reduces stakeholder burden and increases workflow efficiency.

APIGW

Features
- Full API lifecycle management
- Self-service API portal with rate limiting (to prevent the API from being overwhelmed by too many requests)
- Data security and governance through the API portal – approval workflow management, centralized API management, and integration with the CMS Identity Management System (IDM) and Okta

APIGW Components and Benefits to End Users

API Portal	Investigative View	MuleSoft® Anypoint® Platform	Confluent® Kafka®
For API Consumers/ Developers	*For Law Enforcement and Program Integrity Personnel*	*For API Consumers/ Developers*	*For Law Enforcement and Program Integrity Personnel*
• Hub for stakeholders to discover APIs and explore their functionality • Self-service portal allows API consumers and developers to access information with interactive API requests/responses	The API user interface (UI): • Allows users to view critical provider and investigative data in real time • Eliminates the need to log into multiple provider or investigative systems to view information from multiple data sources	As a unified platform built for API-led connectivity, the MuleSoft® Anypoint® Platform ensures APIs are: • Productized and designed for ease of consumption • Easily managed for security, scalability, and performance • Discoverable and accessible through self-service	• Enables streaming of large data • Supports event triggers using the Confluent Kafka® publisher-subscriber messaging system
Benefits The APIGW provides a catalog of available APIs, including API specifications and additional information on how to obtain access.	**Benefits** The APIGW's consolidated view will enhance user experience when performing business functions like legal investigations, fraud, waste, and abuse prevention, and provider enrollment and oversight	**Benefits** The MuleSoft® Anypoint® Platform allows users to create seamless digital experiences with advanced API design, development, deployment, and governance capabilities.	**Benefits** The investigative view's Watchlist feature alerts users of key metrics concerning a provider of interest across CPI provider and investigative systems