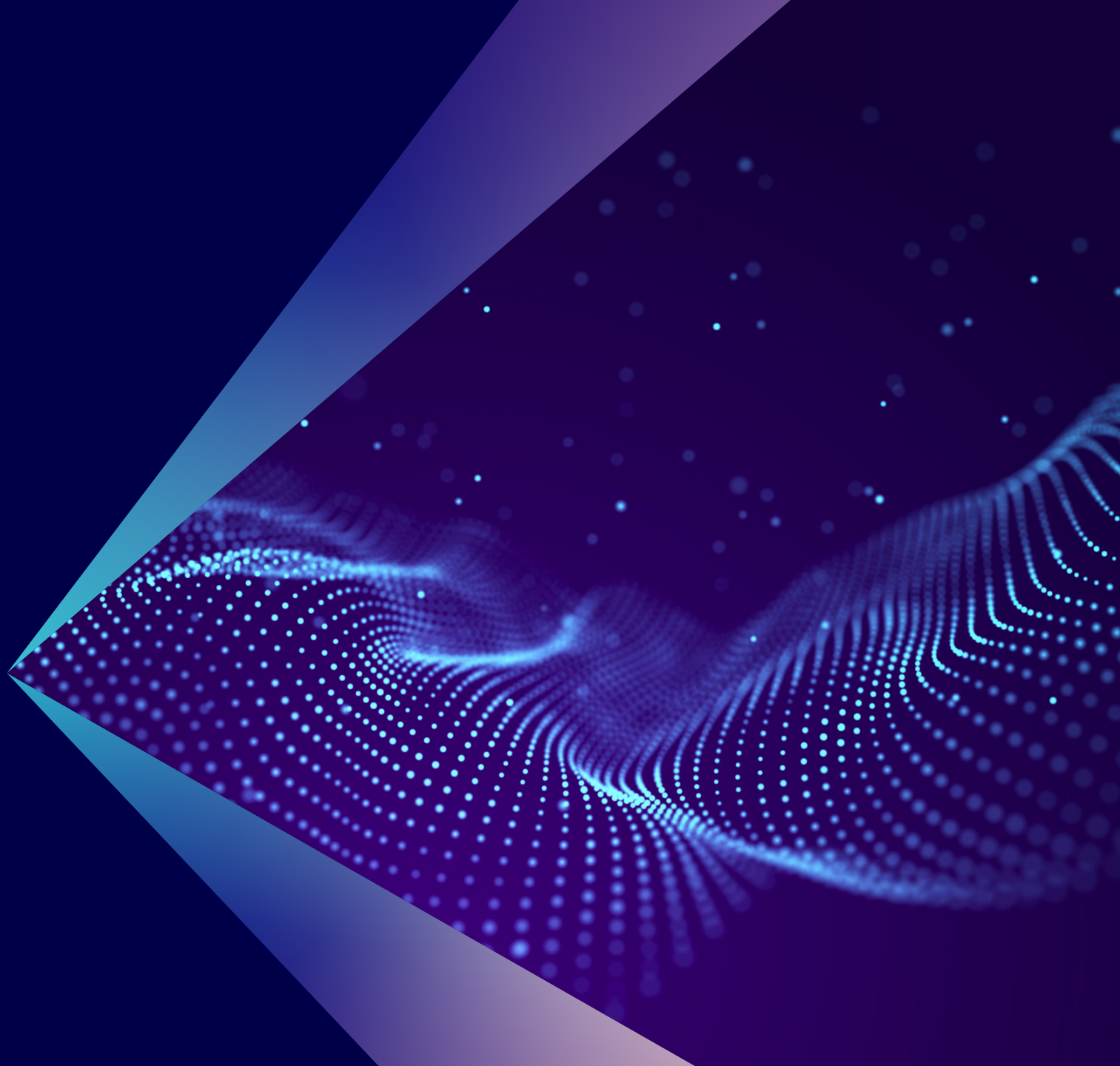




TriZetto[®] Facets[®]
Core Administration
System for
Dental Plans



TriZetto® Facets® Core Administration System for

Dental Plans

Facets is the industry-leading core administrative processing system today. With Facets accurately and efficiently processing millions of transactions per week for more than 25 dental plans representing more than 19 million members, it's easy to think of it as reliable vs. revolutionary. The truth is, Facets is both.

We have become the market leader by continually, thoughtfully and strategically evolving our technology to take full advantage of the latest innovations in software design, architecture and deployment.

Table of contents

The Facets journey

Production at scale with cloud, containers, AI and more

Our production-proven fundamentals

Containerized runtime

Filling the continuous integration/continuous delivery pipeline

Incorporating IoT, AI and ML with Facets Insights

Real-time processing and leading edge security

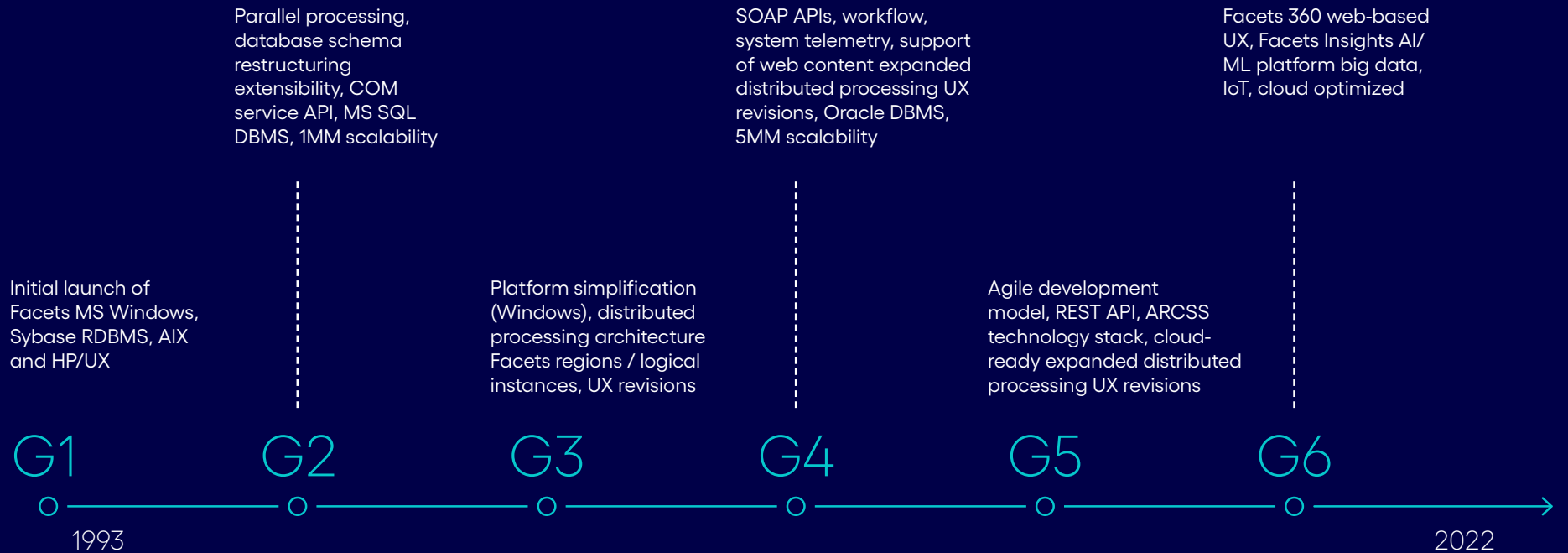
Open, modular, extensible

Leading-edge technology for the modern healthcare organization




Facets meeting the needs
of dental clients from
10 million lives
to those with fewer than
100,000.

Facets journey



Since its inception, we have taken Facets from “bare metal” to virtual machines to today’s leading-edge containerization technology. We are now beginning to realize the benefits of the 6th generation of Facets through the technology investments we’ve made to date.



We have brought our clients along on this journey, continually equipping them with modern tools and capabilities while always working to minimize their total cost of ownership and accelerate their businesses. Facets meets the needs of dental clients—from 10 million lives to those with fewer than 100,000.

Production at scale with cloud, containers, AI and more

Regardless, of their size, interact with members. our Facets clients benefit from technologies such as:

Cloud

We developed our latest Facets generation in and for the cloud. Cloud isn't an add-on for us; it's our native development environment. We've optimized Facets to take full advantage of the scale and flexibility of cloud computing. Yet, we are completely vendor-agnostic, so our clients are free to select any public, private or hybrid cloud environment or onpremise and cloud mix.

Containers

We keep Facets lightweight and portable using container technologies. Our containerized runtime is ideal for cloud, supports optimal user experiences, speeds development and optimizes costs with efficient use of computing resources.

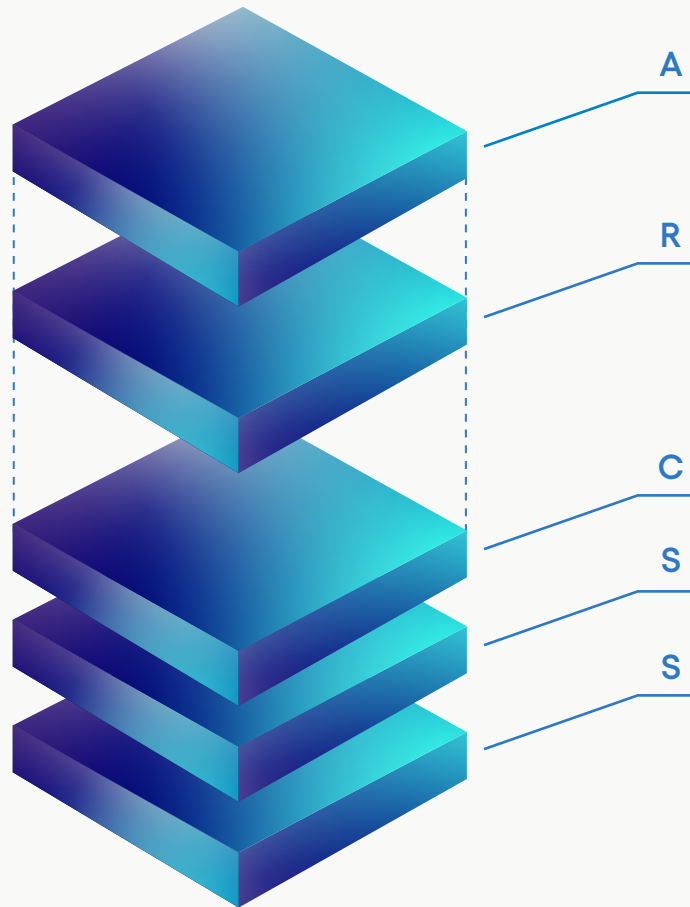
Artificial intelligence and machine learning

We built AI and ML capabilities into the fabric of Facets to automatically deliver insights to clients based on their system's vast data stores. Insights range from system health to user performance differences to real-time assistance to service representatives as they interact with members.

Our production-proven fundamentals

Facets has proven it can deliver results in real-world, high-demand production environments on a multichannel, 24/7 basis. Further, we continually performance test Facets against a configuration consistent with a large client. We achieve the power and reliability to process tens of millions of transactions per day through a technology stack designed for accuracy, scalability and intelligence.

Facets' technology stack incorporates powerful modern technology and best practices. Each Facets module is built on this stack, resulting in highly responsive single-page applications.



The ARCSS stack: How Facets is built

A **Angular** TypeScript-based open-source web application platform, is used as the foundation for single-page applications

R **RESTful** architecture pattern using stateless protocol and standard operations, contributing to the highly responsive single-page applications and runtime engine

C++ Complex mission-critical applications require mission-capable technology, so all of Facets' heavy computing is done in a C++ high-performance natively compiled business runtime engine. This is key to how Facets scales

S **SQL-based RDBMS** such as Microsoft SQL Server, Oracle Exadata or Oracle Enterprise

S **Streaming** is accomplished with a high-performance NoSQL format . This strategy supports Facets' event-driven architecture and ability to subscribe to IoT data streaming patterns. Facets may bring in events through REST APIs to fuel applications within and outside of Facets with data

Containerized runtime

Client layer

Thin client: Zero footprint, single-page applications, rich responsive experience

AI/ML: Infuse probabilistic logic into transaction processing for better member and provider experiences

Angular
HTML5
Google Chrome
Chromium Embedded Framework
Chart.js

Application layer

RESTful APIs: Provide a simple, natural lingua franca that is lightweight, flexible and scalable

Runtime advances: Security advances, elasticity; containers and orchestration

Python
Kubernetes
.NET Core
C++
Scikit Learn

Data layer

Data streaming: Facets features a high-performance message store, data publishing and IoT messaging for real-time digital operations

Windows
Oracle
SAP
Linux
Kafka

For optimal performance and flexibility, we embrace containers for our runtime services. We have adopted the industry-leading container orchestration system. Our containerized runtime can take advantage of features such as auto-scaling and the use of policy settings to govern resource utilization to manage cost and security.

Containers enable us to offer clients many different deployment options by abstracting the application from the infrastructure on which it runs. That positions us to support a variety of operating systems and optimizes system portability, even among cloud vendors. Containers also make it easy for clients to deploy different instances of Facets for testing, pilot programs or segregating customer data.

Filling the continuous integration/ continuous delivery pipeline

Our use of containers helps accelerate development of new QNXT features and applications that stay ahead of the healthcare industry's always-changing compliance and business requirements.

Regular release cadence

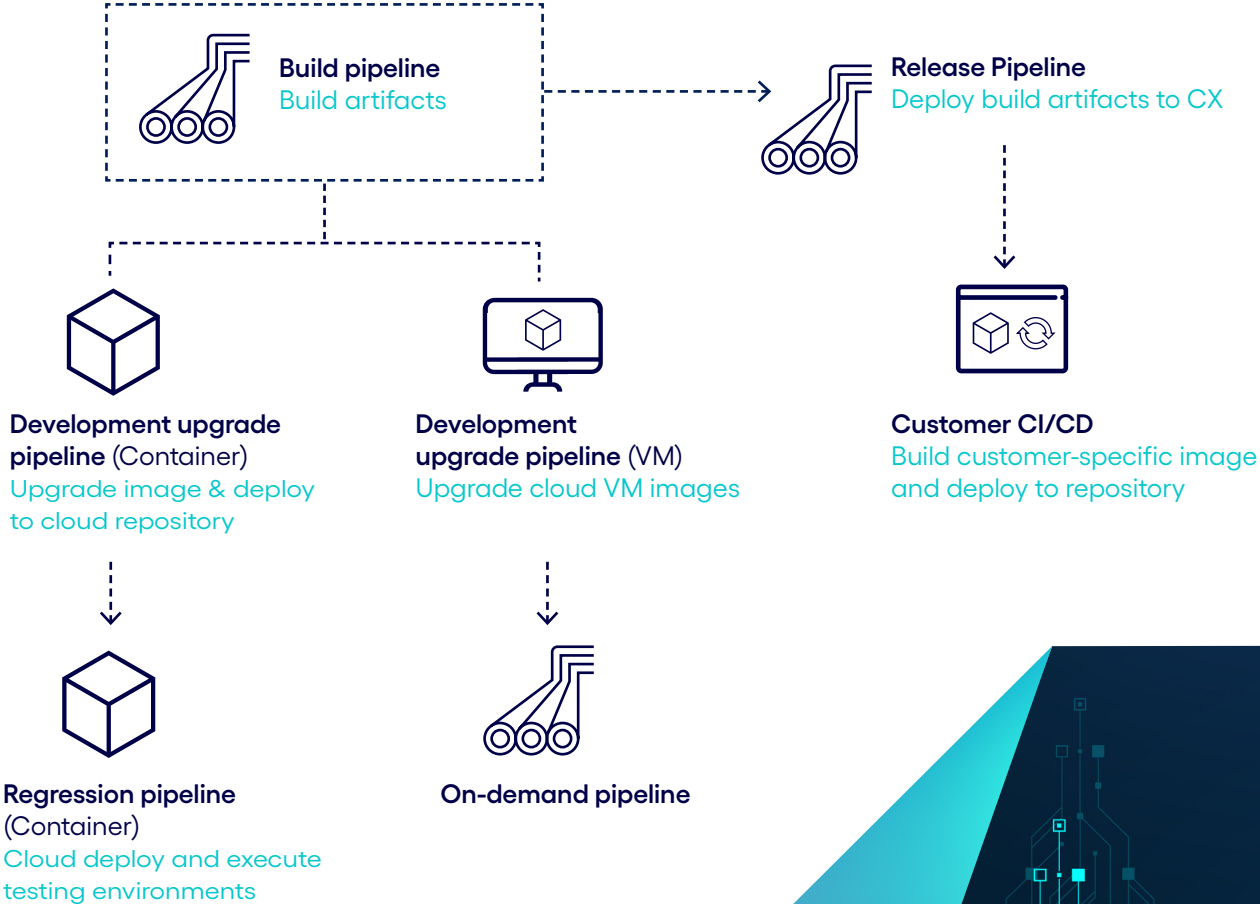
Our quarterly development cadence helps ensure timely delivery of new functionality and compliance-based enhancements. Low friction upgrades in addition to passive adoption strategies ease client adoption of new functionality. Clients define the adoption cadence that best suits their business needs.

User-centered design

Our clients and their members and providers guide our software engineering. Our development teams include human design experts with comprehensive product experience. Insights from user testing and field trials help us refine each design before release.

Low friction delivery models

Clients consume deliverables that flow seamlessly from the QNXT release pipeline into their own CI/CD pipelines. This approach enables easy dissemination of new features into their environments.





Incorporating IoT, AI and ML with Facets Insights

Facets Insights is an intrinsic part of Facets transaction processing, adding probabilistic capabilities to ensure best possible outcomes from transactions. It can compare actions against models and make recommendations or even take rules-based actions on the fly.

Facets generates and consumes incredible amounts of data. The processing of a single claim may generate 1,000+ IoT style messages; multiply that by millions of claims processed, and the result is an enormous data set to be capitalized on by AI/ML learning.

Facets Insights

By leveraging machine learning models, Facets Insights can predict the likelihood of a member leaving the plan and recommend a remedy to the service representative interacting with that member. Facets Insights, again leveraging machine learning, can act on transactions directly. An example would be identifying rejected claims that would ultimately be reconsidered and not rejecting them to save rework and member dissatisfaction.

Closed-loop feedback

The closed-loop feedback system means Facets is continually learning and improving, leading to:

- Optimization
- Increased accuracy
- Fewer errors
- Increased stability
- Calibrated sensitivity to events
- Increased resilience to disturbances
- Reliable and repeatable performance

Real-time processing and streaming

Facets Real-time processing and streaming is an event-driven architecture that enables external consumers to consume claims, member, group, and provider data in real-time. Real-time claim processing APIs allow cost transparency and claims administration while retaining core capabilities and improving administrative efficiency. The system is flexible: clients may consume or publish data via batch or real-time processes. In the latter, Facets sends data as it is changed or on demand.

Leading-edge Security

We incorporate security into Facets at each stage of the software development life cycle, identifying and remediating potential security threats, guided by industry best practices and compliance standards. We feature pluggable federated authentication via open standards, including OpenID, OAuth2 and JWT. Facets manages authorization through comprehensive role and application layer controls. Other features include data encryption at rest and in flight, and comprehensive auditing capabilities for all system and user activity and data changes.

Benefit Flexibility

- Highly configurable Products to meet market needs via Benefit Management
- Real time Benefit Summary
- Dental benefit flexibility with Tiered benefits, Category, CDT Rule Options

Streamlined Enrollment and Billing

- Multi-channel enrollment supporting EDI-834, Proprietary real time and Online
- Member Level Tooth Chart
- Real time billing for future, specimen and rebill – use to generate first invoice

Claims Processing

- Real time Claims Processing APIs
- Automated Processing of Overrides
- Dental Clinical Editing, Incentive Process Rules and Rewards

Customer Service & Appeals

- Research and track Members, Providers, and Non-members
- Real time eligibility and benefits Track and update Member Information

Provider Contracting and Pricing

- Capitation Contracts (Dental HMO)
- Tiered Networks
- Flexible pricing options with ADA Code Based Pricing

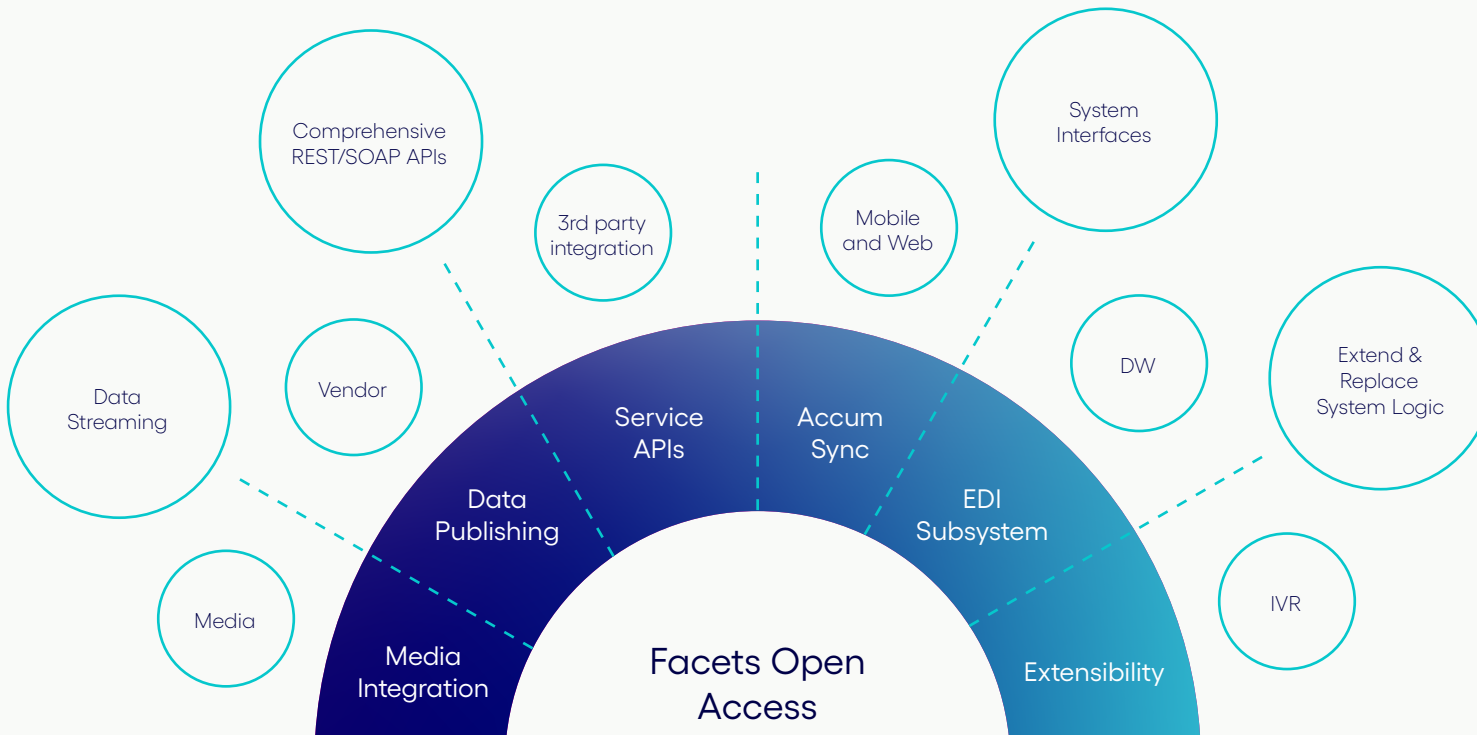
Workflow Automation

- Improve auto adjudication
- Route work to the right person

Open, modular, extensible

An open, flexible, modular and extensible platform enables business operations automation and digital transformation

Facets easily integrates with other systems in the client landscape through REST-based APIs in order to keep Facets open and extensible to other applications. We expose all data and functionality via RESTful interfaces. The RESTful semantic is the lingua franca of Facets and is easily understood and consumed by other client applications. The RESTful API use ensures predictable API behavior when integrating these systems.



Built on the cloud, with REST APIs and container technology, Facets delivers our clients unmatched flexibility, including:

Extensibility

Clients can extend or replace Facets logic as they choose.

Platform flexibility

We support all major cloud vendors.

Deployment options

Facets has a modular architecture. Clients may choose any components—enrollment, billing, claims, etc.—that meet current business needs. To add modules, clients only need the appropriate license key. Each module is integrated and yet loosely coupled.

Leading-edge technology for the modern healthcare organization

Facets proves its capabilities in the real world every day. From member enrollment and billing through claims processing and care management, our commitment to incorporating best-in-class cloud, containerization, security, AI and interoperability technologies ensures Facets maintains the flexibility, features and scalability that more than 25 dental plans rely on to serve their members.

For more information about how Facets' technology stack, containerization and cloud-native development will empower your organization to deliver the next generation of healthcare. Please visit us [cognizant.com/trizetto/core-administration/facets](https://www.cognizant.com/trizetto/core-administration/facets)



Cognizant (Nasdaq-100: CTSI) engineers modern businesses. We help our clients modernize technology, reimagine processes and transform experiences so they can stay ahead in our fast-changing world. Together, we're improving everyday life. See how at www.cognizant.com or follow us [@Cognizant](https://twitter.com/Cognizant).

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