



# Mphasis Cognitive Microservices Framework

## Building Speed and Cognitive Intelligence into Business Decisions

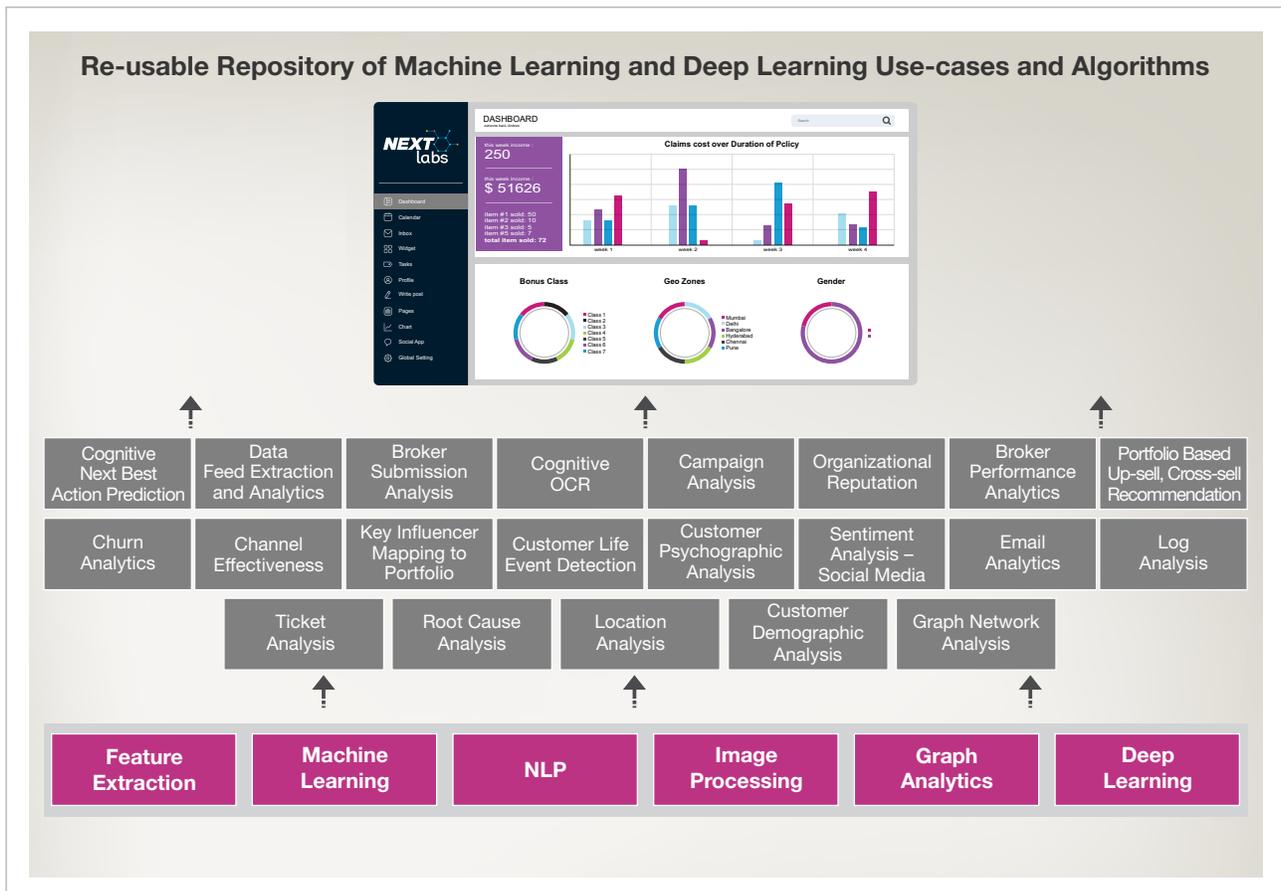
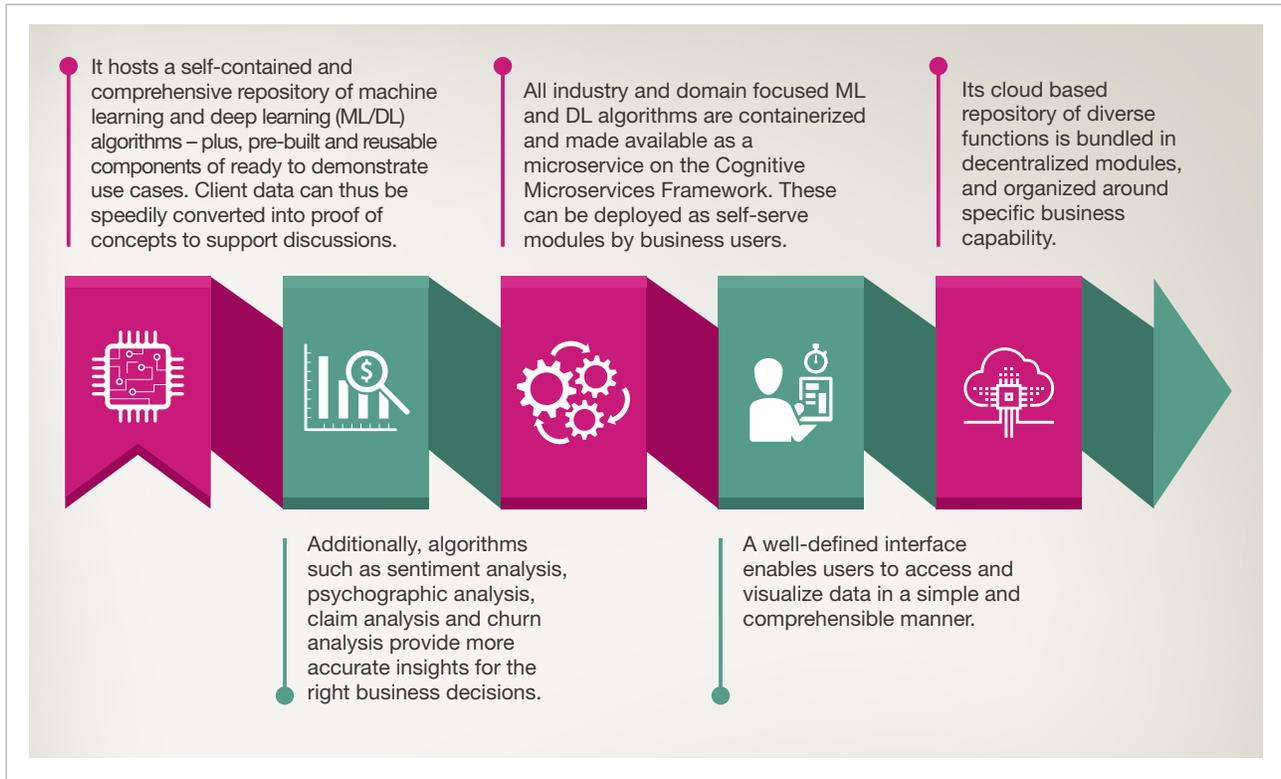
Most industries are moving towards business and service transformation where the speed of implementation is a differentiating factor. Artificial Intelligence and cognitive solutions have become centerstage in delivering this transformation, that help bring efficiencies in productivity, time and cost.

With enterprises moving towards shorter implementation times, the need of the hour is to build reusable, self-contained components that demonstrate both data science and analytics capabilities. And can such solutions be deployed with minimum intervention and dependence on scarce resources?

**Mphasis Cognitive Microservices Framework (CMF) fulfils this need with efficiency and effectiveness. A repository of machine learning (ML) and deep learning (DL) algorithms, and ready-to-demonstrate use cases, CMF acts as a delivery accelerator to deliver real-time proof of concepts (PoCs) for clients.**

# Self-contained, Scalable and On-demand

Mphasis Cognitive Microservices Framework (CMF) is built with a strong business-centric approach to achieve business outcomes that matter.



# Advantage CMF

Mphasis Cognitive Microservices Framework offers organizations the following differentiated advantages for winning outcomes:



## DOMAIN AND BUSINESS-CENTRIC EFFICIENCY

CMF's ML and DL algorithms integrate with industry-focused use cases for efficient testing. This enables users to focus on business implications of a recommendation rather than the algorithm.



## ADVANCED ANALYTICS FOR PREDICTIVE SUCCESS

CMF algorithms centered on sentiment analysis, claim analysis, topic modelling, influencer analysis, lead generation, email analytics, psychographic analysis and more deliver the highest levels of data accuracy for the right business decisions. For example, business analysts can input insurance claims data in a defined format into the tool and get a prediction on the number of claims and their cost for the subsequent year. Result - Accurate fiscal planning with the right claims budgets.



## EMPOWERED BUSINESS USERS

Simple and well-defined interfaces empower business users, not trained in ML and DL, to input and visualize data with ease and obtain accurate insights for the client and business-aligned decisions.



## SELF-CONTAINED SCALABILITY

As more industry use cases and domain-focused ML and DL algorithms are introduced, CMF converts them into microservices, containerizes them and makes them available for users on a self-serve mode.

Projects that are not equipped with skilled data scientists, can use this repository to start building client proof of concepts and pilot with minimal ramp up efforts and time.



## FASTER GO-TO-MARKET

With CMF, the time to go from data to business insights and recommendations is much shorter. This brings the focus to business functionality and features enhancement without the specifics of algorithm and implementation details.

## ABOUT MPHASIS

Mphasis applies next-generation technology to help enterprises transform businesses globally. Customer centricity is foundational to Mphasis and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized (C=X2C<sup>2</sup>,=1) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization are key to building strong relationships with marquee clients.

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