

Prodapt Chase Extraordinary

Fiber is fast, but rollout needs to keep up AI/ML can forecast delays before they occur, making the service delivery predictable and fast

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Today, most Digital Service Providers (DSPs) struggle with a conventional service delivery process leading to high customer churn and reduced NPS

Complex ecosystem and multiple handoffs



Siloed systems and manual handoffs leading to a high possibility of human errors and misinterpretations

Delayed cycle time due to vendor dependencies

Dependency on process and SLAs of third-parties for order completion

More orders receive escalation/disconnection requests as DSPs fail to meet the customer commit date

> How a conventional service delivery process impacts DSPs?

50-60% lesser number of

Increased order provisioning time

Order fallouts and dissatisfied customers

Higher customer churn

Reduced NPS

Major challenges in the conventional service delivery process



Forecasting order delays To foresee the order delays W/Wand provide efficienc online delivery within the customer commit date

Continuous order tracking

Lack of mechanisms to track the milestones and complete service delivery flow in real-time

order completions per month due to inefficiencies in service delivery

The challenges in fulfilling an order exponentially go up with increasing complexities in the enterprise service delivery process.

Embrace AI/ML techniques in enterprise service delivery operations Reduce cycle time by 30% and increase order completion rate by 2x



This insight details on how DSPs could leverage AI-powered predictive service delivery framework and provides best practices for its effective implementation

Leverage an AI-powered predictive service delivery framework to improve operational efficiency

Proactive order fallout management, prediction of order delays, milestone completion dates, and dynamic order delivery recalculation



The following slides deep dive into each of these components and show how the ML model can be built to accelerate service delivery and reduce customer churn

Classify the engineering build effort for accurate prediction of the order completion date



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Fig 1: Operations dashboard view of actual vs. predicted build type

Based on the predicted build type by ML model,

- Alerts/reports are sent to the operations team to accelerate and complete the orders within the customer commit date
- The milestone SLAs and order completion date will be calculated

Key recommendations

- Implement a scorecard to compare the build type predicted by ML model vs assessment by field engineer for data validation and finetuning of the model
- Implement an automated mechanism to identify the discrepancies in site survey data and to send periodic reports to the operations team. This helps to improve the accuracy of site survey data capture, resulting in efficient build type classification, and improved ML model accuracy

Predict the potential delays and order journey milestones ahead of time

Enabling the operations team to take preventive measures to mitigate delays and meet the SLA





Predicting the milestone SLAs and order completion dates dynamically ensures order delivery within the customer commit date and helps DSPs in reducing customer churn by 2x.

Sample use case - Dynamic prediction of the entire order journey for a leading DSP in North America



Based on the updates done by the Ops team in the live tracker, the model dynamically recalculates the milestone SLAs and predicts that the order can be completed earlier by 5days

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Analyze the emotions from customer cases to reprioritize the orders in real time



DSPs find it hard to manage customer cases as there are multiple sources of unstructured cases and no proper integration with the orders. Understanding the customer emotions and prioritizing the orders also stays a challenge. These challenges can be addressed by predicting the sentiment and intent of the customer cases using an ML model.



Analyzing the customer emotions helps in efficient customer case management and prioritization of orders. This, in turn, accelerates 30-40% of orders and ensures delivery within the customer commit date.

Digital experience dashboard- Enabling teams to make smart decisions and boost the entire service delivery process

Provides the ability to track all inflight orders and focus on numerous KPIs in a one-page view

Unique graphs developed to monitor WIP orders, highlighting the order inflow monthly/daily trends, ageing, and MRR

Milestone buckets provides visibility into key steps along the order journey & allows users to drill down to the underlying order data to drive performance

Track the daily progress on key metrics, display trends against SLAs, and locate bottlenecks

With the digital experience dashboard, the Ops team can have E2E visibility of all orders and take prompt actions, thus reducing the effort by 80%



Business benefits achieved by a leading DSP in North America after the successful mplementation of AI-powered predictive service delivery framework



Increase in order completion by 2x

In place of 800 orders, now 1600 orders are completed per month for a specific product



30%-40%

Acceleration of orders due to order prioritization WWW.prodapt



Interval reduction by 30%

With end-to-end visibility of orders, delays, and proactive order fallout management



Improvement in NPS

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