

Dock assignment optimization

Automatically assigns optimal dock slips to incoming vessel reservations based on boat specifications, guest preferences, and real-time marina capacity. Maximizes berth utilization while ensuring proper vessel accommodation and guest satisfaction.

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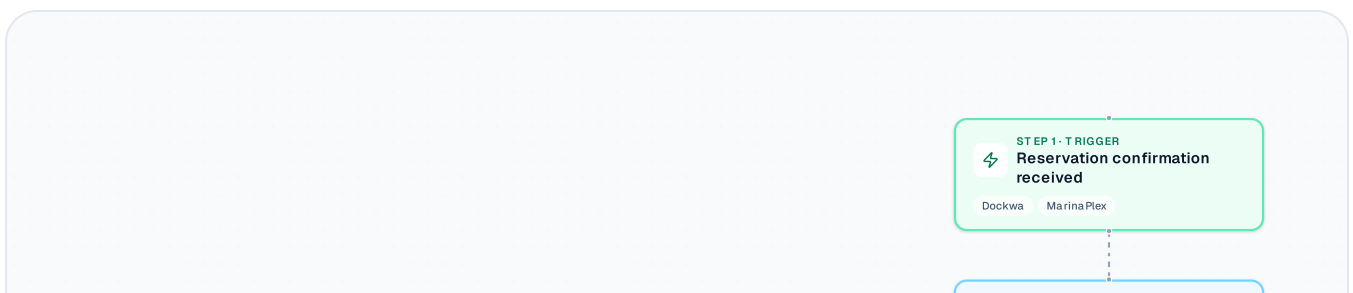


WORKFLOW TRIGGER

New boat reservation is confirmed in the marina management system

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Reservation confirmation received

A new vessel reservation triggers the workflow when booking details are confirmed. System captures boat dimensions, arrival date, duration, and guest preferences.

2

 ACTION

Retrieve vessel specifications

System extracts boat length, beam width, draft depth, and power requirements from reservation data. Validates vessel documentation and identifies any special accommodation needs.

BoatCloud

Marina Master

3

 ACTION

Check dock availability

Queries real-time slip availability for the requested dates and filters compatible berths. Considers maintenance schedules, existing reservations, and dock infrastructure constraints.

Marina Master

Harbour Assist

4

 DECISION

Evaluate assignment options

Determines if suitable slips are available that meet vessel requirements and guest preferences. Branches workflow based on availability and optimization criteria.

Spectra

Marina Master

5

 ACTION

Optimize slip assignment

Selects optimal dock slip using algorithm that considers boat fit, guest preferences, operational efficiency, and revenue optimization. Accounts for future reservations and traffic patterns.

Spectra

Harbour Assist

6

 ACTION

Update reservation system

Records final slip assignment in marina management system and blocks the berth for specified dates. Updates guest record with dock location and access information.

MarinaPlex

Marina Master

7

 OUTPUT

Send assignment notification

Automatically generates and sends confirmation email to guest with assigned slip number, dock map, and arrival instructions. Updates marina staff dashboard with new assignment.

Dockwa

Harbour Assist



Outputs

- Optimized slip assignment

- Guest confirmation email

AI Business OS



Key Metrics

- Berth utilization rate
- Guest satisfaction score
- Assignment processing time



Tools & Integrations

- Dockwa
- MarinaPlex
- BoatCloud
- Harbour Assist
- Spectra
- Marina Master

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