**Container Optimizer API - Yard Map**

This document explains the yardMap used in the Container Optimizer API.

The yardMap is a 2D array representing the container yard, where each cell in the grid contains a score.

The goal is to find the optimal spot with the lowest score.

Each row represents a different row of containers, and each column represents a specific container slot.

**Yard Map Example:**

Example yardMap:

[

[5, 8, 9],

[4, 3, 6],

[7, 2, 1]

]

In this example, the yardMap represents a 3x3 grid with the following scores:

* The first row has the values [5, 8, 9]
* The second row has the values [4, 3, 6]
* The third row has the values [7, 2, 1]

The algorithm will loop through this grid to find the container slot with the lowest score.

**Significance of Yard Map**

* Each score in the grid represents the "weight" or "difficulty" of placing a container at that slot.
* The goal is to find the optimal slot with the lowest score, which minimizes the effort required to move containers.
* The algorithm evaluates each slot by looping through the yardMap, identifying the spot with the lowest value.