

# OptaShift Employee Rostering User Guide

The OptaPlanner Team

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# Chapter 1. OptaShift Employee Rostering

## Introduction

### 1.1. What is OptaShift Employee Rostering?

Every organization faces planning problems: providing products or services with a limited set of *constrained* resources (employees, assets, time and money). One such planning problem is employee shift rostering: assigning shifts to employees. OptaShift is a web application and REST service that solves employee shift rostering problems using the [OptaPlanner engine](#).

### 1.2. System Properties

These system properties can overwrite default properties of the application, for example as `-Doptashift.generator.zoneId="America/New_York"` to WildFly. These system properties might also be exposed as OpenShift template parameters.

- **optashift.generator.timeZoneId:** The time zone ID for the automatically generated tenants. For example `America/New_York`. This defaults to the system default Zone ID.