zPerform

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Technical Information

Technical Stack

Server Infrastructure

Hetzner Dedicated Server

- **Purpose**: Primary host for all services and applications.
- **Specifications**:
  - **CPU:** Intel Xeon
  - **RAM:** 256 GB DDR4
  - **Storage:** 2 x 480GB Enterprise SSD
  - **Network:** 1+ Gbps Uplink

Proxmox Virtualization

- **Purpose**: Hypervisor for managing and isolating virtual environments.
- **Features**:
  - Virtual Machine and Container orchestration.
  - Snapshot and backup management.
  - Resource monitoring and allocation.

Application and Service Management

Coolify

- **Purpose**: Simplified orchestration of Docker containers and CI/CD pipelines.
- **Features**:
  - Application deployments and monitoring.
  - Automated builds from GitHub repositories.
  - Reverse proxy and SSL management.

Services Deployed via Coolify

1. **Redis**
   - **Purpose**: In-memory data store for caching and key-value storage.

- **Use Case**: High-performance caching for the Next.js application.

2. **Next.js Application**
   - **Version**: 14
   - **Features**:
     - App Router for advanced routing.
     - Developed in TypeScript for type safety and maintainability.
   - **Deployment**: Built and served via Coolify.

Code Repository

GitHub

- **Purpose**: Version control and collaboration platform for application development.
- **Key Features**:
  - Centralized repository for all application code.
  - Integrated with Coolify for CI/CD pipelines.
  - Branch management and pull request workflows.

Network and DNS

Cloudflare

- **Purpose**: DNS management and proxy services for enhanced security and performance.
- **Domain**: `z.razar.io`
- **Features**:
  - DNS resolution for the Hetzner server.
  - Proxy and caching services for improved application performance.
  - SSL/TLS certificate management for secure communication.

Technical Information

Scorecard API

Current Process:

Daily at 9am Power Automate will grab the current year Scorecard file and POST the Unit and Hour data tables from the excel workbook as json to the zPerform Scorecard API endpoint (z.razar.io/scorecard/flow/update).

The API endpoint will then update the data in redis under the keys z.perform:scorecard:unit_data and zperform:scorecard;hour_data
Required Header Authorization key : 24razarscorecard2024 (where 24 / 2024 is the current year)

Productivity Dashboards

Packing Dashboard

PTL Dashboard

Scorecard Dashboard

Roadmap

Intraday-Productivity Dashboards

	Ready to Deploy			Need to Plan / Postponed
Packing Intraday Dashboard				

Scorecard Dashboard

This has yet to be started. The Scorecard dashboard is an interactive web version of the Scorecard.

Hourly Production Chat Report

Wave Planners send this out every hour

EWMS EXPORTS FOR MSD

MSD without customs

Change purchase D. to max shipping D.

MSD data is pulled from EWMS

Statuses needed to run MSD export-

- Pending
- Picked
- Packing
- Picking
- Preselected
- PTL Finished
- PTL sorting
- PTL sorted

MSD with customs

- Pending
- Picked
- Packing
- Picking
- Preselected
- PTL Finished
- PTL sorting
- PTL sorted

Also, select the following order type:

- CUSTOM
- CUSTOM-embroidery
- CUSTOM-hot stamp

MSR EXPORT FOR PICK AND PUTAWAY DATA

Production data is pulled from MSR

Both pick and putaway are covered in one movements export from MSR

1. Select all movement types
2. Change the date and time
3. Search and run
4. Export CSV at the bottom left

This export will be filtered in the report to separate pick and putaway