

Grocy

Getting Started with Grocy

In today's busy world, managing household inventory, groceries, and tasks efficiently can be a real challenge. [Grocy](#) is an open-source web-based application designed to simplify these tasks. It helps you keep track of your groceries, manage your shopping lists, and organize household chores. This guide will provide an in-depth look at Grocy's features, offer installation instructions using Docker Compose, and walk you through basic setup instructions to get you started.

What is Grocy?

Grocy is a self-hosted, web-based application that acts as a personal grocery and household management system. It's designed to help users keep track of their inventory, manage shopping lists, monitor expiration dates, and handle other household tasks. With Grocy, you can streamline your shopping experience, reduce food waste, and ensure that you always have what you need on hand.

Key Features of Grocy

- Inventory Management:** Track the items you have in your pantry, fridge, and other storage locations. Grocy allows you to manage product quantities, expiration dates, and locations.
- Shopping Lists:** Create and manage shopping lists directly within the application. You can add items to your shopping list and keep track of what needs to be purchased.
- Recipes Management:** Store your favorite recipes and plan your meals. Grocy allows you to organize recipes, track ingredients, and even create shopping lists based on the recipes.
- Chores and Tasks:** Manage household chores and tasks. You can set reminders for tasks and track their completion.
- Barcode Scanning:** Use barcode scanning to quickly add products to your inventory. This feature helps simplify inventory management and keeps your records up-to-date.
- Multi-User Support:** Grocy supports multiple users, allowing different family members or housemates to access and manage the application.
- Dashboard and Reporting:** View an overview of your inventory, upcoming tasks, and other important information through the Grocy dashboard. Generate reports to analyze your inventory and shopping habits.
- Customizable Notifications:** Set up notifications for low stock levels, upcoming expiration dates, and other important reminders.

9. **API Integration:** Grocy offers an API that allows for integration with other applications and automation of various tasks.

Benefits of Using Grocy

- **Enhanced Organization:** Streamline household management tasks and keep everything organized in one place.
- **Reduced Food Waste:** Track expiration dates and manage inventory efficiently to reduce food waste.
- **Improved Efficiency:** Simplify shopping and meal planning with integrated lists and recipes.
- **Flexibility:** Customize notifications and reports to suit your needs.

Installation Instructions Using Docker Compose

Docker Compose is a tool for defining and running multi-container Docker applications. It makes it easy to deploy Grocy along with its dependencies. Follow these steps to install Grocy using Docker Compose on an Ubuntu system.

Prerequisites

- Ubuntu server (18.04 or later)
- Docker and Docker Compose installed

Install Docker and Docker Compose:

If Docker and Docker Compose are not already installed, you can install them using the following commands:

```
# Install Docker
sudo apt update
sudo apt install -y docker.io

# Start and enable Docker service
sudo systemctl start docker
sudo systemctl enable docker

# Install Docker Compose
sudo curl -L "https://github.com/docker/compose/releases/download/1.29.2/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose
```

Docker Compose Configuration for Grocy

1. Create a Directory for Grocy:

```
mkdir grocy
cd grocy
```

2. Create a Docker Compose File:

Create a file named `docker-compose.yml` in the Grocy directory with the following content:

```
services:
  grocy:
    image: lscr.io/linuxserver/grocy
    container_name: grocy
    environment:
      - PUID=${PUID}
      - PGID=${PGID}
      - TZ=${TZ}
    volumes:
      - ${DOCKER}/grocy:/config
    ports:
      - ${HTTP_PORT}:80
    restart: unless-stopped
```

This configuration sets up the Grocy container, exposes it on port 8080, and uses a Docker volume to persist data.

3. Start the Grocy Container:

Run the following command to start Grocy using Docker Compose:

```
sudo docker-compose up -d
```

This command downloads the Grocy Docker image (if not already available), creates and starts the container in detached mode.

4. Verify the Installation:

Open your web browser and navigate to `http://<your_server_ip>:8080` to access the Grocy web interface. You should see the Grocy dashboard if the installation was successful.

Basic Setup Instructions

1. Initial Access:

After navigating to `http://<your_server_ip>:8080`, you'll be greeted with the Grocy login screen. Use the default login credentials or create a new account as prompted.

2. Configure Basic Settings:

Once logged in, configure the basic settings such as the language, currency, and time zone according to your preferences. This setup can be done through the `Settings` menu in the Grocy dashboard.

3. **Add Inventory Items:**

Go to the `Products` section to start adding inventory items. You can manually enter product details or use the barcode scanning feature to streamline the process.

4. **Create Shopping Lists:**

Navigate to the `Shopping Lists` section to create and manage shopping lists. Add items based on your current inventory or upcoming needs.

5. **Manage Recipes:**

In the `Recipes` section, add and organize your favorite recipes. This will help you plan meals and generate shopping lists based on your recipes.

6. **Set Up Tasks and Chores:**

Use the `Tasks` section to manage household chores and set reminders. This feature helps you keep track of ongoing tasks and deadlines.

7. **Configure Notifications:**

Set up notifications for low stock levels, upcoming expiration dates, and other important reminders through the `Notifications` settings.

Additional Resources

- [Grocy GitHub Repository](#) - Access the source code and contribute to the project.

Conclusion

Grocy is a powerful, user-friendly solution designed to streamline household management tasks such as inventory tracking, shopping list creation, and task organization. By leveraging its robust features, such as barcode scanning, multi-user support, and recipe management, Grocy helps you maintain a well-organized home environment while reducing waste and improving efficiency.

The installation process using Docker Compose simplifies deployment, making it easy to get Grocy up and running on your server. With just a few steps, you can have Grocy installed and configured to meet your household management needs.

Whether you're looking to better manage your grocery inventory, plan meals more effectively, or keep track of household chores, Grocy offers a comprehensive suite of tools to help. Dive into the Grocy documentation and community resources to further explore its capabilities and tailor the system to fit your unique requirements.

Revision #5

Created 2024-07-01 06:45:31 UTC by thesabear

Updated 2024-09-17 13:38:08 UTC by thesabear