RDEL
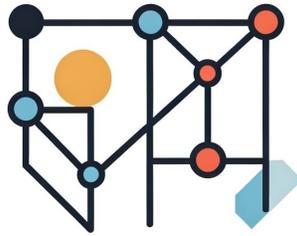
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Comprehensive early detection and medical history management system
Platform Installer Guide

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2026-03-05
Version v1.0.0-a

https://rdel-cya.com

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Chapter 1

Docker Installers for RDEL Health Services Platform

1.1   Quick Installation

This is the fastest way to run the platform with Docker Compose.

Recommended minimum requirements:

- Free disk space: **10 GB** minimum recommended.
- Docker Desktop or Docker Engine with Docker Compose.

Docker download and installation (references as of **March 6, 2026**):

- Windows - Install Docker Desktop on Windows: https://docs.docker.com/desktop/setup/install/windows-install
- Windows - Direct download: https://desktop.docker.com/win/main/amd64/Docker%20Desktop%20Installer.exe
- macOS - Install Docker Desktop on Mac: https://docs.docker.com/desktop/setup/install/mac-install
- macOS - Docker Desktop for Mac with Apple silicon: https://desktop.docker.com/mac/main/arm64/Docker.dmg
- macOS - Docker Desktop for Mac with Intel chip: https://desktop.docker.com/mac/main/amd64/Docker.dmg
- Linux - Install Docker Desktop on Linux: https://docs.docker.com/desktop/setup/install/linux
- Linux - Instructions and downloads for supported platforms (Ubuntu, Debian, Red Hat Enterprise Linux (RHEL), Fedora): https://docs.docker.com/desktop/setup/install/linux/#supported-platforms

Steps:

1. Download the zip file with the platform resources: https://www.rdel-cya.com/public/rdel-health-services-platform-1.0.0-a.zip
2. Extract `rdel-health-services-platform-1.0.0-a.zip`.
3. Open a terminal in the extracted folder `rdel-health-services-platform-1.0.0-a`:
   - Windows: in File Explorer, open the extracted folder, then right-click on empty space and select `Open in Terminal`.
   - macOS: open Terminal and use `cd` to the extracted folder (or right-click the folder and use `New Terminal at Folder` if available).
4. Enter the `rdel-health-services-platform-1.0.0-a` directory (where `docker-compose.yml` is located) and run the recommended command:

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```
docker compose --env-file .env.production up -d --build
```

5. If you need a full rebuild without cache, run:

```
docker compose --env-file .env.production build --no-cache front back
docker compose --env-file .env.production up -d
```

1.2 Windows

1.2.1 Batch processing file `.bat`

File: `installers/windows/install-rdel-plataforma-servicios-salud-docker.bat`

What it does:

- Installs Docker Desktop with `winget` if not installed.
- Waits for Docker Engine to be ready.
- Verifies `docker compose`.
- Creates `.env` from `.env.example` if needed.
- Runs `docker compose up -d --build`.

Usage:

```
installers\windows\install-rdel-plataforma-servicios-salud-docker.bat
```

1.2.2 Microsoft Installer file `.msi`

WiX project to generate MSI:

- `installers/windows/msi/Product.wxs`
- `installers/windows/msi/install-rdel-plataforma-servicios-salud-docker-prereqs.bat`
- `installers/windows/msi/build-msi.ps1`

Build (on Windows, with WiX installed):

```
powershell -ExecutionPolicy Bypass -File installers\windows\msi\build-msi.ps1
```

Expected output:

- `installers/windows/dist/rdel-plataforma-servicios-salud-docker-installer.msi`

1.3 macOS

1.3.1 Executable script `.command`

File: `installers/macos/install-rdel-plataforma-servicios-salud-docker.command`

What it does:

- Installs Docker Desktop with Homebrew Cask if not installed.
- Starts Docker Desktop and waits for availability.
- Verifies `docker compose`.
- Creates `.env` from `.env.example` if needed.
- Runs `docker compose up -d --build`.

Usage:

```
./installers/macos/install-rdel-plataforma-servicios-salud-docker.command
```

1.3.2 Disk image file `.dmg`

1.3.3 Generate DMG

Script: `installers/macos/create-installer-dmg.sh`

This script (run on macOS) packages:

- `install-rdel-plataforma-servicios-salud-docker.command`
- `README.txt`

Command:

```
./installers/macos/create-installer-dmg.sh
```

Expected output:

- `installers/macos/rdel-plataforma-servicios-salud-docker-installer-macos.dmg`