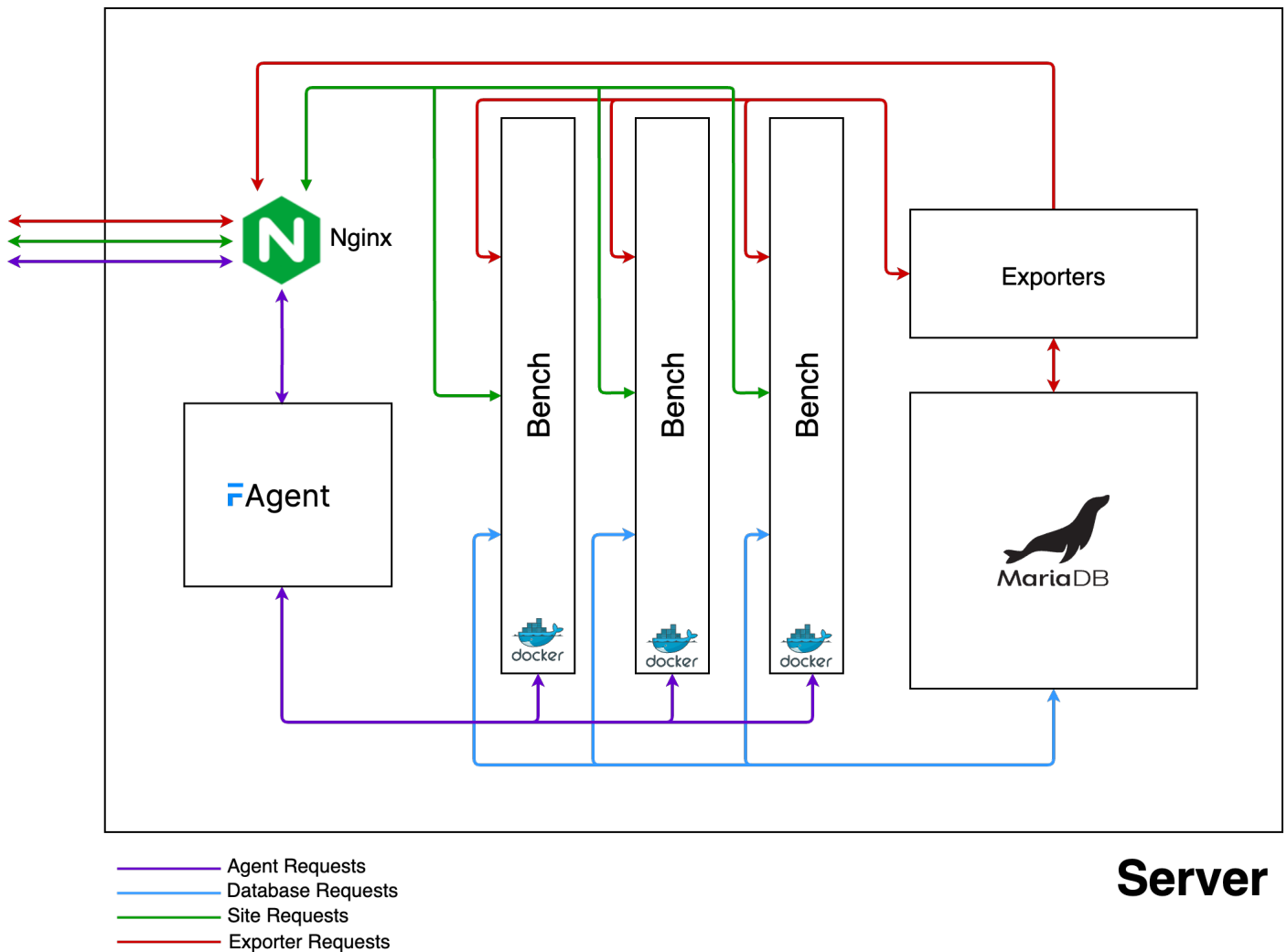


# High Level Diagram

## Architecture

1. **Infrastructure Architecture HLL:** An instance of tibERbu runs on an environment called a bench. It exposes all functionalities for use by client requests, application function calls or automated tasks. A **bench** can sit on a *physical server, a virtual machine or an orchestration cluster*. **Frappe Cloud(FAgent)** is an orchestration layer that can accommodate multiple benches and is the basis for setting up the core components of tibERbu EMR(database, redis-cache, and the main engine Frappe Framework). Each bench will have a list of applications ("apps") that run as docker containers inside the bench. An app is usually hosted on GitHub/GitLab and linked to Bench using Frappe Cloud. Frappe Cloud comes with automated CD pipelines that automatically detect updates and provide a user with actions to update and recreate containers, thereby updating the apps. A **site** is where users interact with the ERP/EMR functionalities through a browser like Google Chrome, Safari, Firefox or any other.



1. **Application Architecture** An "app" provides functionalities that enable functions ranging from saving data, retrieving data and displaying it on an user interface for actions like editing or deletion to complex data exchange functions like REST, webhooks and socket functionalities. Frappe Framework wraps best practice functionalities to act on data or send data via email. Frappe follows a document based architecture which means all app data is presented in JSON format and transmitted as such.



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