Configuration

Summary:

In the Frappe Framework, each site can have its unique configuration, allowing it to share the same application server but with different database solutions, configurations, and locations. This configuration is managed through the Site Config in Bench. The Site Config stores all site-related details, from the database specifics to custom domains pointing to the site. The configuration is stored in two main files: `site_config.json` and `common_site_config.json`.

Key Insights:

1. **Site Config (`site_config.json`)**: This file stores the global configuration for a specific site and is automatically created and populated by Frappe. It contains essential details like database name, password, and other site-specific settings. It's crucial to back up this file regularly as it contains vital site state information.

2. **Common Site Config (`common_site_config.json`)**: This file stores configurations shared across your bench. Actions at the Bench level generally relate to this config. It's automatically managed by the Bench CLI. Changes here can affect the behavior of all Frappe setups on your system.

3. **Config Value Precedence**: If a key is set in both `site_config.json` and `common_site_config.json`, the value in the site-specific config will take precedence. This allows for default settings in the common config with site-specific overrides.

4. **Standard Config Keys**: There are mandatory settings like database type, name, and password. Additionally, there are optional settings that can be defined, such as admin password, developer mode, and various email and integration settings.

5. **Integrations**: Frappe allows for lower-level configurations for third-party integrations, such as Sandbox, DropBox, and PayPal, which can be defined in the site config for all sites on your bench.