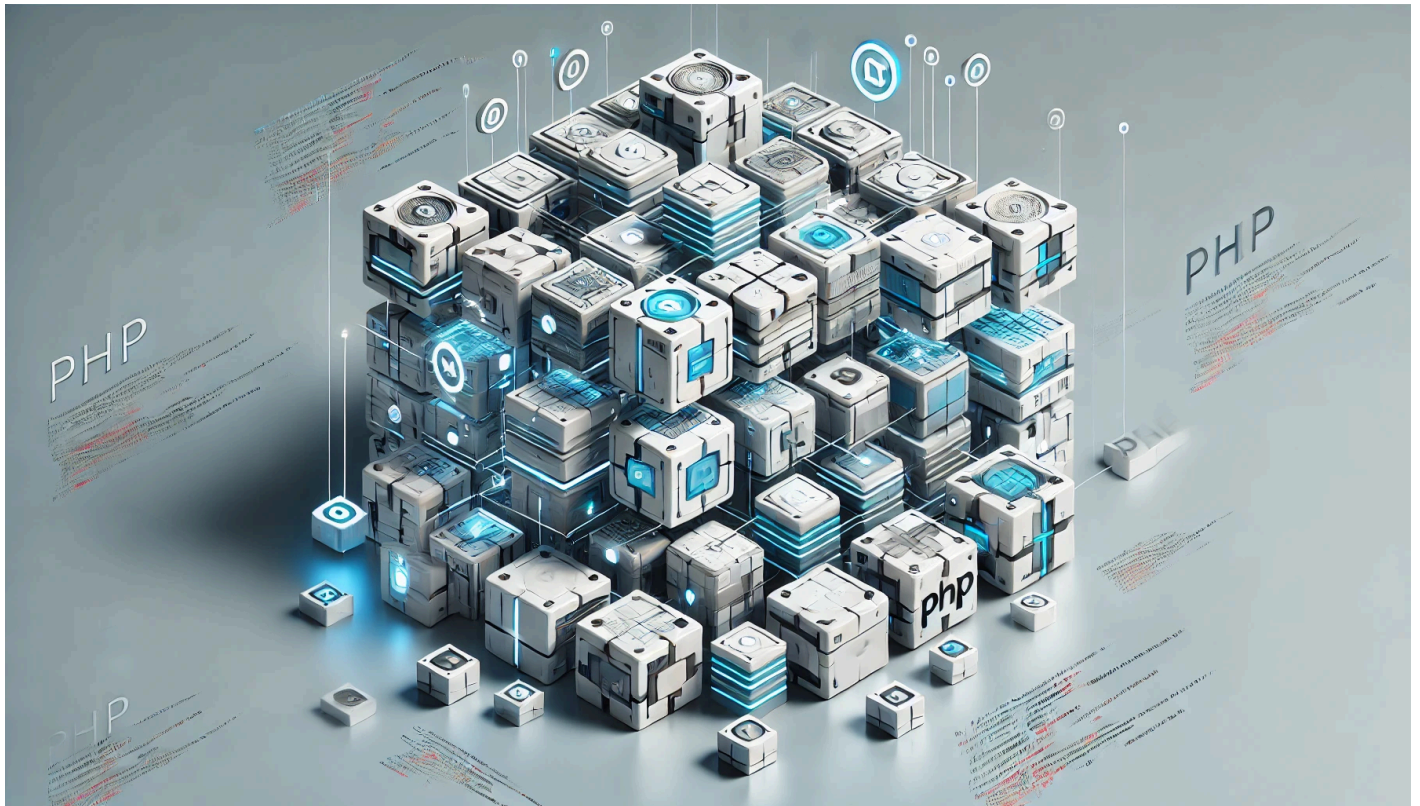


Blog



Let's Talk - Building a Modular PHP Framework part 3

Author(s): Louis Ouellet

In this third installment of our **Building a Modular PHP Framework** series, we will cover:

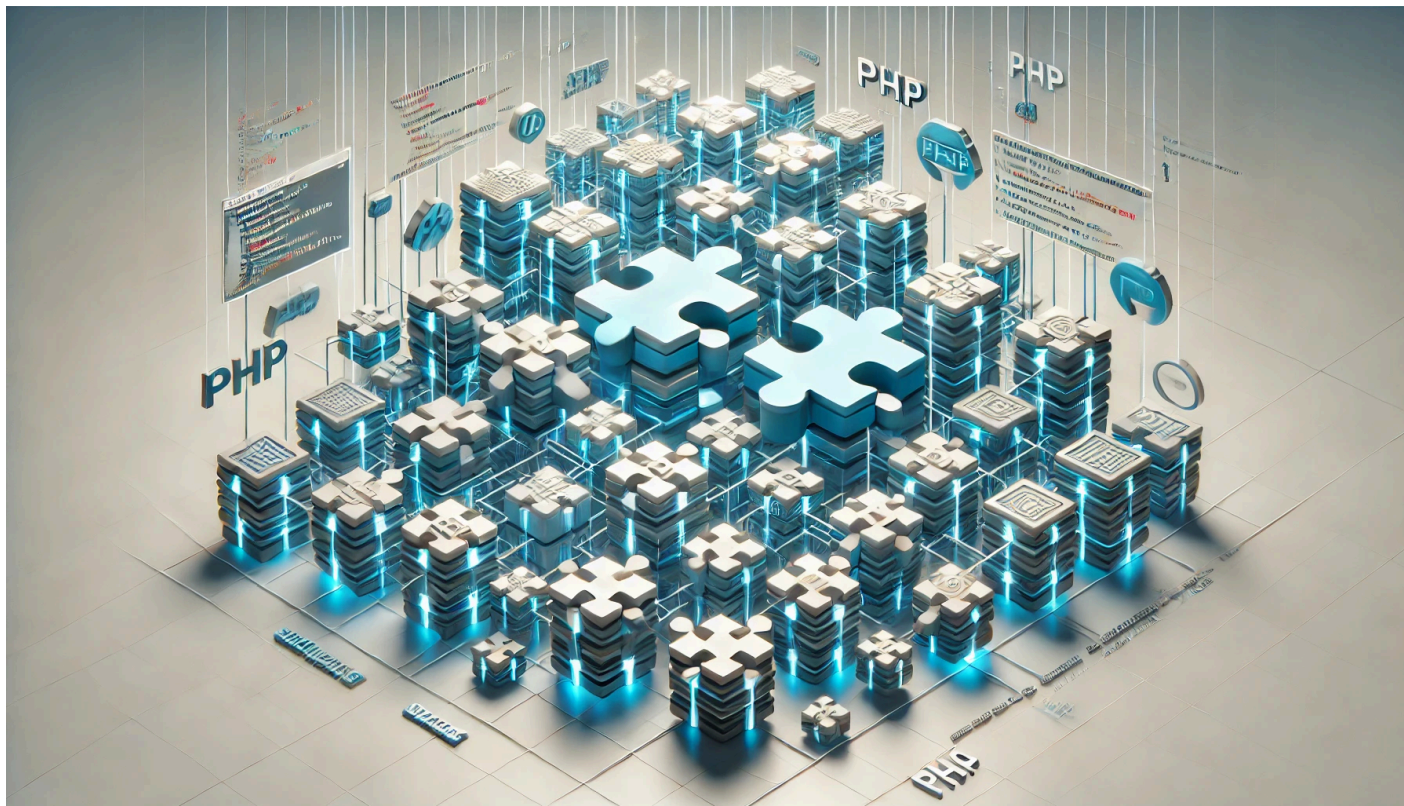
- Cross-Site Request Forgery (CSRF)
- API and Endpoint creation
- Database Handling including:
 - Managing the database structure using Schema
 - Managing database queries using Query

We'll build upon the groundwork set up in the previous parts, focusing on security (CSRF), setting up API routes, and more advanced database handling.

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[general](#), [core-framework-en](#), [framework](#), [core](#), [modularity](#), [modular](#), [module](#), [lightweight](#), [application](#), [php](#), [cakephp](#), [symfony](#), [learn](#), [leaning](#), [maintainability](#), [maintain](#)



Let's Talk - Building a Modular PHP Framework part 2

Author(s): Louis Ouellet

Time for part 2! In our previous part, we set up the groundwork of our modular PHP framework. This time, we will focus on expanding its capabilities to support the following objectives:

- Add support for extensions
- Begin implementing a Command-Line module
- Add support for models to be used to create shared methods that require a database
- Add support for helpers to be used to create shared methods that do not require a database

These enhancements will provide the flexibility we need to build modular, maintainable, and extensible applications. Let's walk through each update step by step.

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Let's Talk - Why and How I Use Artificial Intelligence

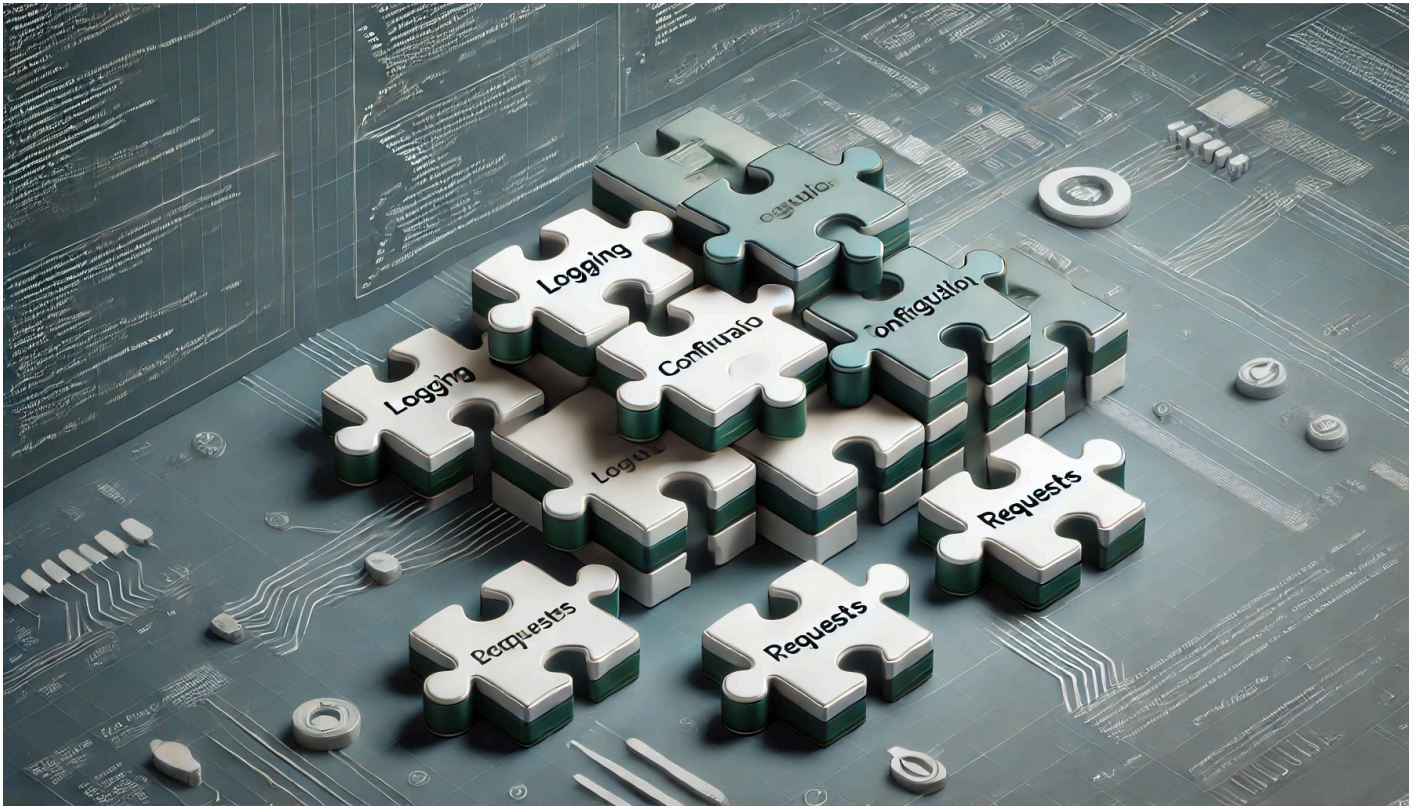
Author(s): Louis Ouellet

So, if you haven't lived under a rock, you should know by now about the existence of AI (Artificial Intelligence) and LLMs (Large Language Models). They have become integral parts of many creative and technical workflows, and they're here to stay.

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[general](#), [ai](#), [llm](#), [artificial intelligence](#), [large language modal](#)



Let's Talk - Building a Modular PHP Framework from Scratch

Author(s): Louis Ouellet

Have you ever worked with popular PHP frameworks like CakePHP or Symfony and thought, “I wonder how these were built?” PHP frameworks can be tremendous time-savers, but they are truly powerful only when you know them inside and out. Developing your own mini-framework can be a great learning exercise, giving you deeper insight into best practices, modularity, and maintainability.

In this article, I share how I’ve started building my own PHP framework from the ground up. This includes constructing a Bootstrap class, handling configuration, setting up modules, creating a logging system, and finally wrapping requests into a tidy Request class. By walking through each piece, you’ll see the value of a well-structured, modular approach that can be extended with custom modules as needed.

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general, core-framework-en, framework, core, modularity, modular, module, lightweight, application, php, cakephp, symfony, learn, leaning, maintainability, maintain



Repurpose Old Printers Using a Raspberry Pi

Author(s): Louis Ouellet

In this project, we will repurpose an old Canon Color ImageClass MF8350CDN printer using a Raspberry Pi. Since Canon no longer supports Windows 11 for this device, using a Raspberry Pi as a print server allows us to extend the printer's lifespan. It also enables features such as AirPrint for convenient wireless printing from Apple devices.

Below is a step-by-step guide to:

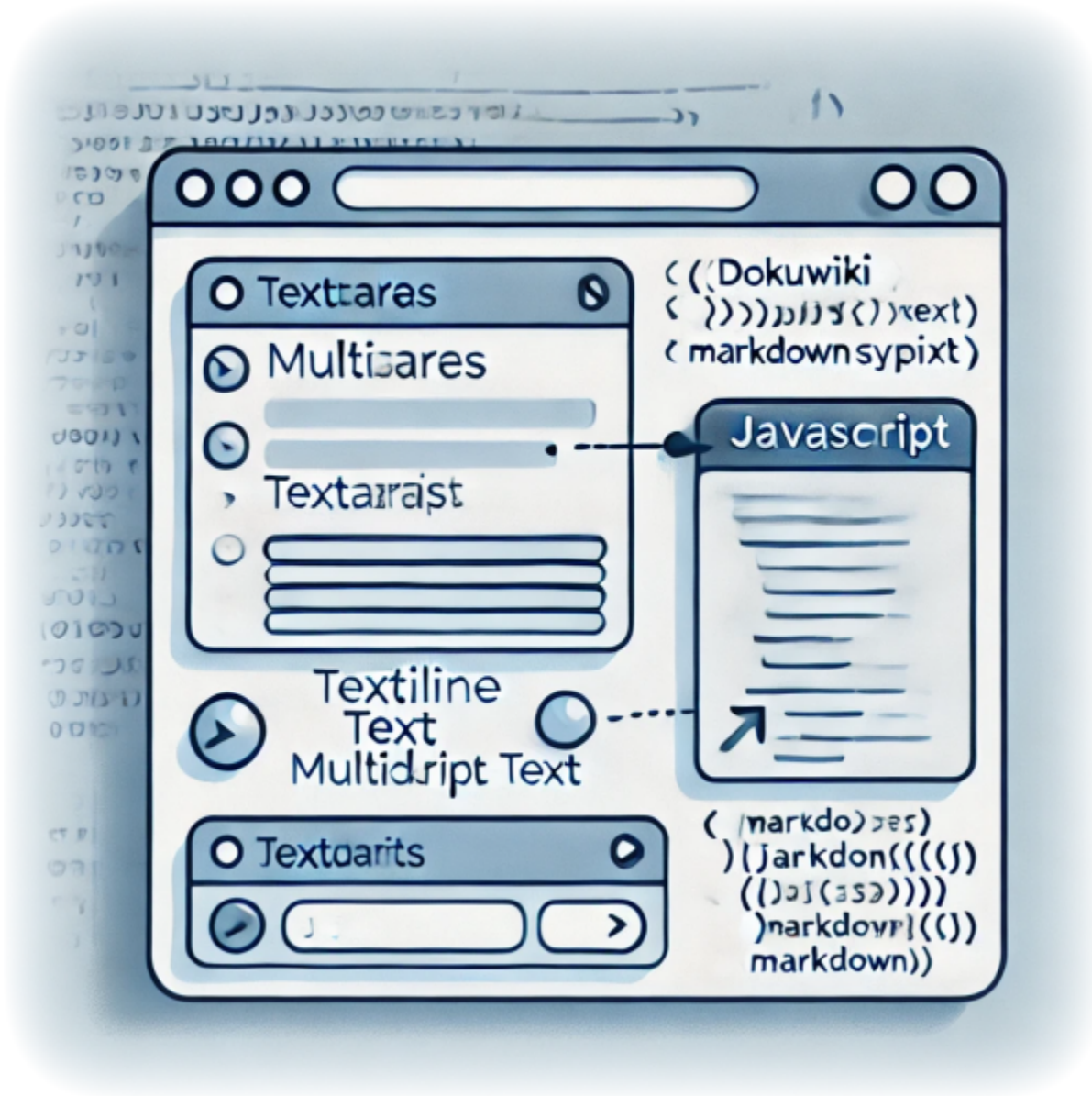
- Set up a Raspberry Pi with the necessary software
- Install and configure the Canon printer drivers
- Use CUPS for print management
- Enable AirPrint for iOS devices
- Configure Samba for a shared folder (useful for scanned documents)

- Install and configure a Python Startup Monitor

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Enhancing Your DokuWiki Forms with Custom JavaScript - Replacing Newlines with Markdown-Friendly Syntax

Author(s): Louis Ouellet

DokuWiki is a fantastic tool for creating and managing content collaboratively. However, working with custom markdown can sometimes be a hurdle, especially for users who aren't familiar with its nuances. For instance, when dealing with form inputs, DokuWiki users often encounter issues with preserving newlines (`\n`) during form submission. To simplify this, I've developed a JavaScript solution that automatically converts `\n` to `\`, ensuring that forms work seamlessly with DokuWiki's markdown syntax.

This script not only streamlines the user experience by handling markdown transformations but also makes it easier to display form inputs correctly. It's particularly useful when forms are used in namespaces requiring strict markdown compliance. In this tutorial, I'll show you how to set up and use this script in your DokuWiki instance.

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How to Connect an iSCSI Target on Windows Server 2022

Author(s): Louis Ouellet

iSCSI (Internet Small Computer System Interface) is a protocol that allows you to connect storage devices over a network. This can be useful for sharing storage between multiple servers or for creating a shared storage pool. iSCSI offers a cost-effective way to connect storage devices over a network, and it is widely used in data centers and enterprise environments.

In this guide, we will show you how to connect an iSCSI target on Windows Server 2022.

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How to Setup Server Backups on Windows Server 2022

Author(s): Louis Ouellet

Backups are an essential part of any server management strategy. They provide a way to recover data and system configurations in case of data loss or system failure. In this guide, we will be setting up server backups on Windows Server 2022. This will allow you to create regular backups of your server's data and system state, which can be used to restore the server in case of data loss or system failure.

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