

# CTFd Project Roadmap

## 1 | Understanding CTFd Basics

Introduction to CTFd: Overview, Features, Customizability

Installation: Dependencies, Configuration, Debugging

## 2 | Core Features Exploration

Challenge Management: Creating Challenges, Categories, Hints, Flags

Scoring Mechanisms: Dynamic Scoring, Unlockable Challenges

Customization: Plugin Architecture, Themes, Custom Challenges

## 3 | Advanced Features Integration

Flag Types: Static & Regex-based Flags, Custom Flag Plugins

Hint System: Unlockable Hints, Customization Options

File Uploads: Server-side & S3-compatible Backend Support

## 4 | Competition Management

Competition Setup: Automatic Starting and Ending, Time-based Features

Team Management: Individual and Team Competitions, Team Setup

Scoring Visualization: Scoreboard, Scoregraphs, Team Progress Graphs

## 5 | Administration and Configuration

Admin Interface: User Management, Challenge Visibility, Team Bans

Customization Options: Plugin and Theme Interfaces

Data Management: Importing and Exporting CTF Data

## 6 | Deployment Options

Installation Guide: Dependencies, Configuration, Deployment Options

Docker Usage: Docker Images, Docker Compose

Documentation Review: Getting Started Guide, Deployment Options

## 7 | Support and Community Engagement

Basic Support: MajorLeagueCyber Community, Discourse

Commercial Support: Contact Options for Special Projects

Managed Hosting: Explore Managed CTFd Deployments

## **8 | Integration with MajorLeagueCyber**

Integration Overview: Benefits, Single Sign-On, Event Tracking

Registration Process: Account Creation, Event Setup

Configuration Steps: OAuth Client ID and Client Secret Integration

# **CTFd Fundamentals**

## **Introduction**

Overview

Features

Customization

Installation

Dependencies

Configuration

Debugging

Core Functionalities

## **Challenge Management**

Creating Challenges

Categories

Hints

Flags

## **Scoring**

Dynamic Scoring

Unlockable Challenges

Customization

Plugins

Themes

Custom Challenges

Advanced Features

## **Flag Types**

Static Flags

Regex-based Flags

Custom Flag Plugins

Hint System

Unlockable Hints

Customization Options

File Uploads

Server-side Support

Competition Management

## **Competition Setup**

Automatic Start/End

Time-based Features

Team Management

Individual & Team Competitions

Team Setup

Scoring Visualization

Scoreboard

Scoregraphs

Team Progress Graphs

Administration

## **Admin Interface**

User Management

Challenge Visibility

Team Bans

Customization

Plugins & Themes

Data Management

Import/Export

Deployment

## **Installation Guide**

Dependencies

Configuration

Deployment Options

Docker

Images

Docker Compose

Documentation Review

Getting Started Guide

Deployment Options

## Support & Community

### **Basic Support**

MajorLeagueCyber Community

Discourse

Commercial Support

Contact Options

Managed Hosting

Explore Options

MajorLeagueCyber Integration

### **Benefits**

Single Sign-On

Event Tracking

Registration

Account Creation

Event Setup

Configuration

OAuth Integration