Software Development Kit Home

Software Development Kit

New to developing for cPanel & WHM? Our **Quickstart Development Guide** will guide you in the right direction for your project.

API Documentation

UAPI

cPanel API 2

WHM API 1

Manage2 API

Deprecated APIs

cPanel API 1

WHM API 0

Development Guides

Guide to Testing Custom Code — *This guide explains the basics of how to test your custom code.*

Guide to cPanel Interface Customization and Branding — *You can use several different methods to modify the appearance of the cPanel interface.*

Guide to cPanel Plugins — *cPanel plugins add new functionality to the cPanel interface.*

Guide to WHM Plugins — *WHM plugins add new functionality to the WHM interface.*

Guide to WHM dynamicui Files — *WHM themes use* `dynamicui` *files to display icons and groups.*

Guide to Template Toolkit — *Template Toolkit is the main template system for the cPanel and WHM interfaces.*

Guide to Site Publisher Templates — *You can create your own custom templates for cPanel's* Site Publisher *feature.*

Guide to API Authentication — *cPanel & WHM supports several API authentication methods.*

Guide to Standardized Hooks — *Standardized Hooks trigger applications when cPanel & WHM performs an action.*

Guide to Package Extensions — *Package extensions add custom fields to packages and accounts.*

Guide to Perl in cPanel & WHM — *cPanel & WHM ships with multiple Perl environments.*

Guide to cPanel Variables — *The* LiveAPI system *and* `dynamicui` files

can access cPanel's global variables.

Guide to Locales — *The locale system localizes text in Perl, Template Toolkit, or JavaScript code.*

Guide to the LiveAPI System — *The LiveAPI System provides environments for applications in the cPanel interface.*

Guide to Custom dnsadmin Plugins — *Custom `dnsadmin` plugins can update DNS records on external systems.*

Guide to API Privilege Escalation — *To run a function with escalated privileges, call a function through the `Call` method or use the `send_cpw rapd_request` pluggable wrapper.*

Guide to External Authentication — *External Authentication modules allow users to log in through OpenID Connect-compliant identity providers.*

Guide to cPanel Market Provider Modules — *This document explains how to create a third-party custom cPanel Market provider module with basic functionality.*

Tutorials

Create a Custom cPanel Style — *This tutorial creates a custom cPanel style, and applies it to the cPanel interface.*

Create a New Paper Lantern Interface in Template Toolkit — *This tutorial uses Template Toolkit to create a new cPanel interface for the Paper Lantern theme.*

Create a New Paper Lantern Interface in PHP — *This tutorial uses PHP to create a new cPanel interface for the Paper Lantern theme.*

Add a Link to the cPanel Interface — *This tutorial adds an icon that links to an external location to the cPanel interface.*

Call UAPI's SSL::install_ssl Function in Custom Code — *This tutorial creates custom code to call UAPI's `SSL::install_ssl` function.*

Use UAPI's Fileman::upload_files Function in Custom Code — *This tutorial explains the process to upload files with UAPI's `Fileman::uplo ad_files` function.*

Create a Standardized Hook — *This tutorial adds custom hooks to preserve a customized configuration file.*

Create an Integration Link — *Integration links create a link in a user's cPanel interface.*

Developer Resources

XML-API PHP Class

PublicAPI Perl Repository

cPanel API Call Tracer

PublicAPI PHP Repository

Third-Party Libraries

cPanel Developers Forum

We encourage anyone who develops for cPanel products to read the cPanel Blog, and join our Plugin Developers mailing list.