API Documentation

Reference Libraries:

- **UAPI** — Access and modify cPanel account data and settings.
- **cPanel API 2** — Use UAPI when available.
- **WHM API 1** — Perform server administration tasks.
- **Manage2 API** — Automate cPanel license management.

Deprecated Libraries:

- **cPanel API 1** — Use UAPI instead.
- **WHM API 0** — Use WHM API 1 instead.

Developer Resources

- **XML-API PHP Class**
- **PublicAPI Perl Repository**
- **cPanel API Call Tracer**
- **PublicAPI PHP Repository**
- **Third-Party Libraries**
- **cPanel Developers Forum**

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_cpwrapd_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.

Guide to Transfer and Restore API Functions — The system uses several WHM API 1 functions during the transfer and restore process.


Guide to Replacing cPanel API 1 Functions with UAPI Equivalents — This document lists the UAPI functions which replace previously-deprecated cPanel API 1 functions.

Guide to Integration Links — Integration links create a link in a user's cPanel interface using WHM API 1.

Tutorials

Create a Custom cPanel Style — This tutorial creates a custom cPanel style and applies it to the cPanel or Webmail interfaces.

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::upload_files function.

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

Create a ModSecurity Vendor — This tutorial describes how to create a custom ModSecurity™ vendor.

Replace a cPanel API 1 Function With a UAPI Function — This tutorial shows how to replace a deprecated cPanel API 1 function with a UAPI function in a cPanel integration or plugin.

If you have questions or need help with your customization project, join the conversation on our cPanel Developers Forum, or reach out to us in Discord.

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