Application Manager

(*cPanel >> Home >> Software >> Application Manager*)

Overview

This interface allows you to deploy Ruby applications with the Phusion Passenger® application server. A Phusion Passenger server functions as a process manager, reverse proxy, and provides operations tools to its users.

To deploy an application, the following conditions **must** exist on your server:

- Your server **must** run EasyApache 4.
- Your hosting provider **must** install the following Apache modules:
    - The `ea-ruby24-mod_passenger` module.

    > **Note:**
    > This module disables Apache's `mod_userdir` module.

    - The `ea-ruby24-ruby-devel` module.
    - The `ea-apache24-mod_env` module.

    > **Note:**
    > This module allows you to add environment variables when you register your application. For more information about environment variables, read the Environment Variables section below.

- Your hosting provider **must** also enable the *Application Manager* feature in WHM's *Feature Manager* interface (*WHM >> Home >> Packages >> Feature Manager*).

Create an application

You **must** create an application **before** you register it in the *Application Manager* interface. For example, you could perform one of the following actions:

- Clone an existing application from GitHub with our *Git Version Control* interface (*cPanel >> Home >> Files >> Git™ Version Control*).
- Create a new application on your server. For an example of how to do this, read our How to Install a Redmine Web Application documentation.

> **Warning:**
> Applications that you create with the following interfaces will **not** function with the *Application Manager* interface:
>
> - cPanel's *Ruby on Rails* interface (*cPanel >> Home >> Software >> Ruby on Rails).*
> - cPanel's *RubyGems* interface (*cPanel >> Home >> Software >> RubyGems).*
> - The *Ruby Gem installer* in WHM's *Module Installers* interface *(WHM >> Home >> Software >> Module Installers).*
>
> We plan to remove these interfaces in a future cPanel & WHM version.

Register an application

To register an application, perform the following steps:

1. Click *Add Application.* A new interface will appear.
2. Enter the application's name in the *Name* text box.
3. From the *Domain* menu, select the main domain, addon domain, or subdomain to which to deploy the Ruby application.
4. Enter the application's base URL in the *Application URL* text box. After you register the application, enter this URL in a web browser to access the application.
5. Enter the filepath, relative to the home directory, for the file where your application's source code resides in the *Path to Application* text box.

6. Click *Production* or *Development* to choose the server environment in which the Ruby application runs.
    - Click *Development* if you need to continue to develop your application.
    - Click *Production* if you wish to deploy and use your application.
7. If you wish, add environment variables under the *Environment Variables* heading.
8. Click *Save Application.*

Environment Variables

> **Warning:**
> To add environment variables, your system administrator **must** install the `ea-apache24-mod_env` RPM Apache module.

Environment variables allow you to configure the processes that the application runs on multiple systems.

The *Environment Variables* table contains the following information:

Column	Description
Name	The environment variable's name. > **Important:** > An environment variable name must meet the following criteria: > - The name can **only** contain letters, numbers, underscores, and dashes. > - The name **must** contain 256 characters or fewer. > - The name **cannot** begin with a number.
Value	The environment variable's value. > **Important:** > An environment variable value **must** contain 1024 or fewer ASCII-printable characters.
Actions	Use the links in this column to perform the following actions: - *Edit* — Edit the environment variable. - *Delete* — Delete the environment variable.

For more information about environment variables, read Passenger's Environment Variables documentation.

Add environment variables

To add an environment variable to the application's configuration file, perform the following steps:

1. In the *Environmental Variables* section*,* click *Add Variable.*
2. Enter the variable's name in the *Environment Variable Name* text box.
3. Enter a value for the variable in the *Environment Variable Value* text box and click *Save.*
4. Click *Save Application.*

Edit an application

To edit an application's configuration file, perform the following steps:

1. In the table below the *Search* text box, locate the Ruby application that you wish to change.
2. Under the *Actions* column, click *Edit.* A new interface will appear.
3. Make the desired changes.
4. Click *Save.*

Unregister an application

To unregister an application, perform the following steps:

> **Important:**
> This action deletes an application's configuration file, but does **not** delete an application.

1. In the table below the *Search* text box, locate the application that you wish to unregister.
2. Click *Delete.* A confirmation message will appear.
3. Click *Continue* to completely unregister the application. A success message will appear.