
Cron Cloud Functions - User Manual

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Magento 1.x CE*

Abstract

This user manual describes the process of configuring and utilizing Cron Cloud Functions, a Magento extension for running cron jobs via Cloud Functions, an event-driven, serverless computing platform provided by Google.

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1 Introduction

1.1 Background

Cloud Functions makes it easy for developers to run and scale code in the cloud and build event-driven serverless applications.

- Simplest way to run your code in the cloud
- Automatically scales, highly available and fault tolerant
- No servers to provision, manage, patch or update
- Pay only while your code runs
- Connects and extends cloud services

→ Source: Google

1.2 Description

Cron Cloud Functions is a Magento extension that provides the ability to run cron jobs via Cloud Functions. By providing a simple interface to invoke cloud functions via HTTP, Cron Cloud Functions helps distribute frequent and/or intensive workloads to the cloud, improving scalability and overall performance.

2 Configuration

2.1 Fields

2.1.1 General Settings

<i>Enable Cron Cloud Functions:</i>	Disabled by default. If a cron job is configured to use Cron Cloud Functions while the extension is disabled, the handler method will not invoke the Cloud Functions endpoint.
<i>Google Cloud Platform Project:</i>	The name of the GCP project. You can find this information through Google Cloud Platform Console.
<i>Cloud Functions Region:</i>	The region where the cloud function was created (e.g..us-east-4).
<i>Authentication Token:</i>	Alphanumeric token sent to Cloud Functions endpoint for authentication.

The screenshot shows the 'General Settings' configuration page for the 'Cron Cloud Functions' extension. The page has a header with the extension name and a 'Quick Search' bar. The settings are organized into a table-like structure with labels, input fields, and descriptions. The 'Version' is 1.0.1. The 'Enable Cron Cloud Functions' toggle is set to 'Yes'. The 'Google Cloud Platform Project' is 'cloudpubsub'. The 'Cloud Functions Region' is 'us-central1'. The 'Authentication Token' is a long alphanumeric string. On the right side, there are links to the corresponding Magento configuration paths for each setting.

Version	1.0.1	
Enable Cron Cloud Functions	<input type="checkbox"/> Yes	[WEBSITE] croncloudfunctions/general/enable_module
Google Cloud Platform Project	<input type="text" value="cloudpubsub"/>	[WEBSITE] croncloudfunctions/general/gcp_project
Cloud Functions Region	<input type="text" value="us-central1"/>	[WEBSITE] croncloudfunctions/general/cloud_functions_region
Authentication Token	<input type="text" value="7LmzbaYhPOnIUeEsmXC6pelyWNlVAqM"/>	[WEBSITE] croncloudfunctions/general/auth_token

Figure 1: General Settings

3 Usage

3.1 Examples

For a comprehensive list of examples, visit the Cron Cloud Functions wiki.

4 Feedback

4.1 Issues

If you experience an issue with the extension, you are encouraged to submit an issue ticket via GitHub. The repository is located at the following URL:

<https://github.com/nickolasburr/CronCloudFunctions>.

4.2 Reviews

If you find Cron Cloud Functions to be valuable to your business, please consider reviewing the extension on Magento Marketplace.