
Cron Cloud Functions - User Manual

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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.

Cron Cloud Functions

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General Settings

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Enable Cron Cloud Functions Yes [WEBSITE] croncloudfunctions/general/enable_module

Google Cloud Platform Project cloudpubsub [WEBSITE] croncloudfunctions/general/gcp_project

Cloud Functions Region us-central1 [WEBSITE] croncloudfunctions/general/cloud_functions_region

Authentication Token 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.