

**amasty**

See the way the [Cron Scheduler for Magento 2](#) extension works.

# Guide for Cron Scheduler for Magento 2

Increase sales by significantly enhanced site performance. Improve cron jobs processing with a powerful tool for tracking and managing all cron tasks.

- View all existing cron tasks in chronological order in a timeline
- Monitor all running and scheduled cron tasks on a separate grid
- Get detailed info on each cron task: status, schedule, execution date, etc.
- Track and manage all cron jobs in bulk or individually on a handy grid
- Receive real-time error notifications on cron failures
- Set the interval between sending notifications to avoid spam

## Cron Tasks List

To check if cron generates and processing tasks and detect all cron execution errors in one place, please go to **System → Cron Tasks List**.

### Cron Tasks List

[Run Cron](#)

**i** Last Cron Activity: 20 seconds ago

Filters Default View Columns

Actions 652 records found 20 per page 1 of 33

<input type="checkbox"/>	ID	Job Code	Status ↑	Created At	Scheduled At	Executed At	Finished At
<input type="checkbox"/>	1038	sales_grid_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1058	sales_grid_creditmemo_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1078	sales_send_order_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1098	sales_order_invoice_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1118	sales_send_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1196	indexer_reindex_all_invalid	SUCCESS	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
<input type="checkbox"/>	1200	indexer_update_all_views	MISSED	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
<input type="checkbox"/>	1018	sales_grid_order_invoice_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
<input type="checkbox"/>	1024	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:53:00 AM		
<input type="checkbox"/>	1025	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:54:00 AM		

On a separate grid you can see a job code, its status, the date each job was created, scheduled, executed and finished.

Run all cron tasks and generate their schedule by clicking the **Run Cron** button. Also, *Delete* separate tasks in bulk via **Actions** dropdown menu. Apply filtering and sorting options if needed.

## Cron Jobs List

To monitor and manage the overall store cron work process, go to **System → Cron Jobs List**.

Cron Jobs demouser ▾

**Run Cron**

📘 Last Cron Activity: 5 hours 25 minutes ago

Filters | Default View | Columns

Actions ▾ 55 records found 20 per page | 1 of 3

<input type="checkbox"/>	ID	Job Code	Group	Instance	Method	Schedule	Modified Schedule	Status	Action
<input type="checkbox"/>	1	currency_rates_update	default	Magento\Directory\Model\Observer	scheduledUpdateCurrencyRates			ENABLED	Run Job
<input type="checkbox"/>	2	backend_clean_cache	default	Magento\Backend\Cron\CleanCache	execute	30 2 ***	30 2 ***	ENABLED	Run Job
<input type="checkbox"/>	3	system_backup	default	Magento\Backup\Cron\SystemBackup	execute			ENABLED	Run Job
<input type="checkbox"/>	4	visitor_clean	default	Magento\Customer\Model\Visitor	clean	0 0 ***	0 0 ***	ENABLED	Run Job
<input type="checkbox"/>	5	catalog_index_refresh_price	default	Magento\Catalog\Cron\RefreshSpecialPrices	execute	0 ***	0 ***	ENABLED	Run Job
<input type="checkbox"/>	6	catalog_product_flat_indexer_store_cleanup	default	Magento\Catalog\Cron>DeleteAbandonedStoreFlatTables	execute	0 0 ***	0 0 ***	ENABLED	Run Job
<input type="checkbox"/>	7	catalog_product_outdated_price_values_cleanup	default	Magento\Catalog\Cron>DeleteOutdatedPriceValues	execute	****	****	ENABLED	Run Job
<input type="checkbox"/>	8	catalog_product_frontend_actions_flush	default	Magento\Catalog\Cron>DeleteOutdatedPriceValues	execute	****	****	ENABLED	Run Job
<input type="checkbox"/>	9	catalog_product_attribute_value_synchronize	default	Magento\Catalog\Cron\SynchronizeWebsiteAttributes	execute	*5 *** *	*5 *** *	ENABLED	Run Job
<input type="checkbox"/>	10	security_clean_admin_expired_sessions	default	Magento\Security\Model\AdminSessionsManager	cleanExpiredSessions	0 0 ***	0 0 ***	ENABLED	Run Job

The extension gathers all cron jobs of third-party modules together with native Magento ones on a special Cron Jobs List grid. The grid provides you with sufficient info on cron jobs, including a cron task status, group, schedule, etc.

To *Delete* or *Enable/Disable* cron jobs in bulk, tick the necessary jobs and choose an action from the **Actions** dropdown menu.

Click the **Run Job** button to start cron run and create tasks for a particular cron job.

To modify a particular cron job schedule or enable/disable it right on the grid, simply click on its record line and make the necessary changes.

### Cron Jobs

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Run Cron

Last Cron Activity: 6 hours 57 minutes ago

Filters Default View Columns

55 records found (1 selected)

20 per page 1 of 3

ID	Job Code	Group	Instance	Method	Schedule	Modified Schedule	Status	Action
<input type="checkbox"/>	1	currency_rates_update	default	Magento\Directory\Model\Observer	scheduledUpdateCurrencyRates		ENABLED	Run Job
<input type="checkbox"/>	2	backend_clean_cache	default	Magento\Backend\Cron\CleanCache	execute	30 2 * * *	ENABLED	Run Job
<input type="checkbox"/>	3	system_backup	default	Magento\Backup\Cron\SystemBackup	execute		ENABLED	Run Job
<input type="checkbox"/>	4	visitor_clean	default	Magento\Customer\Model\Visitor	clean	0 0 * * *	ENABLED	Run Job
<input type="checkbox"/>	5	catalog_index_refresh_price	default	Magento\Catalog\Cron\RefreshSpecialPrices	execute	0 * * * *	ENABLED	Run Job
<input checked="" type="checkbox"/>	6	catalog_product_flat_indexer_store_cleanup	default	Magento\Catalog\Cron>DeleteAbandonedStoreFlatTables	execute	0 0 * * *	ENABLED	Run Job
<input type="checkbox"/>	7	catalog_product_outdated_price_values_cleanup	default	Magento\Catalog\Cron>DeleteOutdatedPriceValues	execute	* * * * *	ENABLED	Run Job
<input type="checkbox"/>	8	catalog_product_frontend_actions_flush	default	Magento\Catalog\Cron\FlushFrontendActions	execute	* * * * *	ENABLED	Run Job
<input type="checkbox"/>	9	catalog_product_attribute_value_synchronize	default	Magento\Catalog\Cron\SynchronizeWebsiteAttributes	execute	* / 5 * * * *	ENABLED	Run Job
<input type="checkbox"/>	10	security_clean_admin_expired_sessions	default	Magento\Security\Model\AdminSessionsManager	cleanExpiredSessions	0 0 * * *	ENABLED	Run Job
<input type="checkbox"/>	11	security_clean_password_reset_request_event_records	default	Magento\Security\Model\SecurityManager	cleanExpiredRecords	0 0 * * *	ENABLED	Run Job

Hit the **Save** button.

## Cron Jobs Timeline

To view all scheduled and running cron tasks in chronological order, go to **System → Cron Jobs Timeline**.

## Cron Timeline

Run Cron

Last Cron Activity: 1 minute 26 seconds ago

Zoom In Zoom Out

	Mon 18 March						
	07:00	08:00	09:00	10:00	11:00	12:00	13:00
amasty_cron_activity							
catalog_product_outdated_price_values_cleanup							
sales_grid_order_async_insert							
sales_grid_order_invoice_async_insert							
sales_grid_order_shipment_async_insert							
sales_grid_order_creditmemo_async_insert							
sales_send_order_emails							
sales_send_order_invoice_emails							
sales_send_order_shipment_emails							
sales_send_order_creditmemo_emails							
magento_newrelicreporting_cron							
newsletter_send_all							
captcha_delete_old_attempts							
captcha_delete_expired_images							
outdated_authentication_failures_cleanup							
indexer_reindex_all_invalid							
indexer_update_all_views							
catalog_index_refresh_price							
sales_clean_orders							

**indexer\_update\_all\_views**

schedule\_id 2165

job\_code indexer\_update\_all\_views

status **MISSED**

messages Too late for the schedule

created\_at 2019-03-18 09:59:40

scheduled\_at 2019-03-18 10:02:00

executed\_at null

finished\_at null

Each task is marked with a definite color, so that you can easily detect cron tasks execution errors alongside successful and pending tasks. Also, each mark width indicates a task processing time, so that you could define tasks which slow down other tasks work and timely modify the appropriate cron jobs schedule.

To see the details on a particular job, just hover over the mark you need.

You can also adjust Cron Timeline grid by using **Zoom In** and **Zoom Out** buttons. Use 'Scroll' to move to the top or bottom of the grid.

Start cron run manually any time it is needed by clicking the **Run Cron** button.

## Configuration

The extension allows to receive real-time error notifications on cron failures. To configure email notifications, go to **Stores → Configuration → Amasty Extensions → Cron Scheduler**.

## Email Notification

**Send email notification on a task failure** [store view]

**Email Sender** [store view]

**Send notification to** [store view]   
Please input any new email address on a new line

**Email Subject** [store view]   
You can use any of these variables to configure an email subject:  

- {{job\_code}}: code of the schedule job
- {{executed\_at}}: execution datetime
- {{message}}: error message

**Email content** [store view]   
You can use any of these variables to configure an email content:  

- {{job\_code}}: code of the schedule job
- {{executed\_at}}: execution datetime
- {{message}}: error message

**Notifications Time Filter** [store view]    
Please enter the value in minutes. Enter 0 to receive notifications without filtering

**Send email notification on a task failure** - set to Yes to enable email notifications.

**Email Sender** - choose an email contact that will be used as a sender.

**Send notification to** - specify email addresses to receive notifications. Please input any new email address on a new line.

**Email Subject** - set an email subject template.

**Email content** - specify an email content template to be used as an alert.

You can use variables to configure an email subject and content.

**Notifications Time Filter** - set the interval for notifications. Enter the value in minutes or enter 0 to receive notifications without filtering.

### How does it work?

The setting is used to avoid 'spamming' from a frequently executed jobs. If there is a multifunctional job that runs every 5 minutes, then it would disturb you with emails every 5 minutes as well. Using the field you can specify the time period when a single job will not disturb you with the same failure

email after the first message was sent. It does not affect notifications from other jobs. e.g. If the setting value is 60, then any multifunctional job will be able to send you notification not more than once per hour.

## Troubleshooting

When you start generating a cron job, you may get the following error:

```
Exception (Magento\Framework\Exception\LocalizedException):exec function is disabled.
```

In this case you just need to enable **exec** function in your **php.ini** configuration file.

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Find out how to install the Cron Scheduler for Magento 2 via [Composer](#).

From:

<https://amasty.com/docs/> - **Amasty Extensions FAQ**

Permanent link:

[https://amasty.com/docs/doku.php?id=magento\\_2:cron-scheduler](https://amasty.com/docs/doku.php?id=magento_2:cron-scheduler)

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