

# Help Desk MX Manual

## Getting Started

Welcome to the **Help Desk MX** documentation.

Here you will find everything you need to set up your **Help Desk** service and create a flexible customer service, which will boost up your support.

Our extension provides you with a single point of handling all queries, emails, offline chat messages, and other contact sources. Each of them will be turned into either a separate thread or added to an already created one. It will greatly help you to communicate with customers and provide them with the speedy support they need.

Tickets can later be collected and analyzed via reports, which will also help you to build a better support strategy and improve your services and products.

### Go ahead, dive in!

Firstly, please find our extension in the [My Downloadable Products](#) section of our store. Learn [how to install extension](#), and proceed with [Quick Start](#), which will guide you through setting up your Help Desk service.

## How to install the extension

### How to install the extension using composer

1. Back up your store's database and web directory.
2. Log in to the SSH console on your server and navigate to the Magento 2 store's root directory.
3. Copy the installation instructions from the page [My Downloadable Products](#) to the SSH console and press ENTER.
4. Run the command `php -f bin/magento module:enable Mirasvit_Core Mirasvit_Report Mirasvit_Helpdesk` to enable the extension.
5. Run the command `php -f bin/magento setup:upgrade` to install the extension.
6. Run the command `php -f bin/magento cache:clean` to clean the cache.

7. Deploy static view files

```
rm -rf pub/static/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

#### Note

If you're using Magento 2.2.x, run the command `php -f bin/magento setup:static-`

`content:deploy -f` to deploy static contents.

8. Set up a cron job for Magento.

*You can skip this step if you have already configured cron jobs for your Magento 2 store.*

## How to install the extension manually

1. Back up your store's database and web directory.
2. Download an archive from [My Downloadable Products](#).
3. Unzip the extension locally.
4. Copy the unzipped folder to the root directory of the Magento store.
5. Run the command `php -f bin/magento module:enable Mirasvit_Core Mirasvit_Report Mirasvit_Helpdesk` to enable extension.
6. Run the command `php -f bin/magento setup:upgrade` to install the extension.
7. Run the command `php -f bin/magento cache:clean` to clean the cache.
8. Deploy static view files

```
rm -rf pub/static/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

### Note

If you are using Magento 2.2.x, command use `php -f bin/magento setup:static-content:deploy -f` to deploy static contents.

9. Set up a cron job for Magento.

*You can skip this step if you have already configured cron jobs for Magento 2 store.*

## Install the extension for Hyva

1. Run the commands:

```
composer require hyva-themes/magento2-mirasvit-helpdesk
```

2. Enable the installed Hyva modules:

```
bin/magento module:enable Hyva_MirasvitHelpdesk
```

3. Update the Magento database schema and data with the command:

```
bin/magento setup:upgrade
```

4. Compile the code of the installed extension:

```
bin/magento setup:di:compile
```

5. Run the command below to clean the cache:

```
bin/magento cache:flush
```

## Quick Start

Our Help Desk MX extension is a simple yet powerful extension for building and boosting your customers' support. Most of its functions work out-of-box, but for full productivity, several settings can be tuned up.

1. Start by establishing an organizational structure for support. All staff members (they're regular backend users, defined at **System -> Permissions -> All Users**) should be registered in their corresponding [Department](#). Each staff member's [Permission](#) can be defined to ensure proper duties separation.
2. Establish an [Email Gateways](#) service. This allows customers to place tickets and communicate via email. It will include two additional steps:
  - Enable IMAP access on your mailbox(es). If you're using a two-step authorization service (which is provided by GMail, for example), you also will need to create a special password for application, which you will use in Gateway;
  - Set your Gateways mailboxes as **Sender Email** in the corresponding [Department](#). It is crucial that you create a full cycle of email flow.
3. Create a ticketing workflow. Each stage of ticket resolving is marked by corresponding [Status](#). Our extension provides a set of legal statuses out-of-box, but you may also extend or even define your statuses.
4. Create a ticket ranking system. Our extension provides a [Priorities](#) dictionary, which contains standard priorities that allow it to rank tickets by their urgencies. You may also extend it or define your set of priorities.
5. If you have a set of standard questions or situations that require typical answers, create [Quick Responses](#) to help speed up support in these cases.
6. If you need customers to supply additional information upon ticket submission, use our [Custom Fields](#). In the same vein, you can create additional internal properties for tickets that can speed up your staff members' interoperability - for example, case details, intermediate results, and so on.
7. Observe your tickets flow, and if you encounter spamming, eliminate it by adding [Spam Patterns](#). They will be used by our email fetch submodule to cut off spammers.
8. Automate your regular tasks with our [Workflow Rules](#), with an extensive set of conditions allowing you to automate almost every routine task.
9. Review your support productivity, using our [Reports](#), and adjust your policy, making your support correspond with customers' demands.

This should be a good beginning.

Refer to appropriate sections of our manual to find out more info.

# Configuration Settings

Go to the **Customers > Help Desk MX > Settings**. There you will find all Help Desk MX setting, divided into the following sections:

- [General Settings](#)
- [Feedback Tab](#)
- [Email Notification Settings](#)
- [Customer Satisfaction Survey](#)
- [Customer Account](#)
- [Reports](#)
- [Developer Settings](#)
- [Notification Settings](#)

## General Settings

It contains the most available options you can use for global Help Desk configuration.

Option	Description
Helpdesk title in the customer account	Sets the ticket page header that is visible for the customer in their account on the frontend.
Priority for new tickets	Sets the default priority for new tickets.
Status for new tickets	Sets the default status for new tickets.
Sign staff replies	This option allows you to specify how the agent's replies should be signed. Help Desk can sign them using the agent's name, or the name of the agent's department.
Move Ticket to Archive if it has one of the following statuses	Option allows you to place solved tickets into the archives solved- e.g., you can automatically move tickets to the archive with the status <i>Closed</i> .
Lock Ticket if it has one of following statuses	When activated, the customer cannot add a new message to the ticket. Choose the ticket status for the option to automatically lock tickets with the selected status.
Create Tickets from the Contact Us form	If the option is enabled, Help Desk will replace the default Magento contact form (/contacts/) with the Help Desk contact form. This form has additional fields and allows you to create a new ticket when the customer posts a message.
Send a blind carbon copy (BCC) of all emails to	Here you can enter a comma-separated list of emails. The Help Desk will send a blind carbon copy (BCC) of all outgoing emails using the email addresses.
Use WYSIWYG Editor in backend	Allows for a rich text editor in backend messages and dictionary forms options. After setting this option, you need to purge the cache to apply the options changed and make the editor appear or disappear.
Show previous/next button at the backend ticket edit page	Allows you to jump from ticket to ticket using two additional buttons on the toolbar - <b>Previous Ticket</b> and <b>Next ticket</b> .

Option	Description
Use the default Magento cron	If the option is enabled, the default Magento cron will be used. To set up a cron job, follow this <a href="#">manual</a> .
Allow customer to open ticket by unique URL (without additional authentication)	A button "Show source" appears when customer hovers over a reply in a ticket in his account. The "Show source" button has a direct link to the reply.
Auto-removing old attachments	Enables automatic removal of files attached to ticket messages.
Remove attachments older than, days	Set the threshold in days for the automatic removal of attachments.
Only allow upload of attachments with extensions	Sets a list of filetypes allowed for uploading in the ticket.
Tickets autosave period, sec	Specify in seconds a time period for the ticket reply to be autosaved.
Show Help Desk link in customer menu	A link to the Helpdesk page is placed in the customer menu dropdown on the frontend.
Show Quick Data Bar in admin ticket grid	Enables the tickets grid page in admin to display a data block with recent statistics on tickets. It shows the number of current admin tickets (My Tickets), the total number of tickets, ticket statistics for each admin, and the number of open, closed, and in-progress tickets.
Show User Activity Data Bar in admin ticket grid	Enables the tickets grid page in the backend to display statistics on tickets per admin at the bottom.
Store attachments in	Sets storage place for the ticket attachments.
Only allow the upload of attachments with extensions	Lets you block forbidden files in the attachments for ticket's messages. The blocked files' names will be displayed in red, so you can request this file again.
Tickets autosave period, sec	Governs autosaving of message form on the Ticket Edit form. On heavily-loaded systems can cause productivity loss - in this case, place empty value here or increase this value to 500-600 secs.

## Feedback Tab

This section governs a special pop-up dialog activated at the side button "Contact Us" button, visible on each store page. The pop-up enables the customer to submit a ticket with a source link to the page from where it was placed. The Feedback Tab is a convenient way to post a guest ticket or a ticket about a particular product or service page.

Option	Description
Enable Feedback Tab	If the option is enabled, Help Desk will show a Feedback Tab at the side of each frontend page.
Assign to Department	Sets default department for new tickets created via Feedback Tab.
Tab Color	Sets the color of the Feedback Tab.
Tab Title	Sets the title of the Feedback Tab.
Tab Position	Sets the position of Feedback Tab ( at the left or right side of your store).
Form Title	Sets the title of the popup window.
Subject Title	Sets the title of field 'Subject'
Subject Placeholder	Sets placeholder of field 'Subject'
Description Title	Sets the title of field 'Description'

<b>Option</b>	<b>Description</b>
Description Placeholder	Sets the placeholder of the field 'Description'
Allow customer to attach files	Enable or disable the ability to attach files
Allow customers to select Priority	Enable or disable the ability to set the priority
Allow customer to select Department	Enable or disable the ability to select the department
Search Knowledge Base Topics first	A store-based setting can be used when Mirasvit Knowledge Base is installed, and integration enabled. Then, just the prior ticket submission customer will be presented with search results of their inquiry in Knowledge Base articles.

## Email Notification Settings

This section governs templates which are used for email notifications. Each option corresponds with a specific type of email sent to customers or staff on a certain event.

<b>Option</b>	<b>Description</b>
Show Ticket ID in the email title	If the option is enabled, the email subject will contain a ticket ID (e.g. [#VEP-728-96190] Email subject here..)
Add customers Cc emails to the ticket	Enables sending a CC email. Warning: If option is enabled spam CC email is possible.
The Number of last replies to be shown in the ticket history	When a customer receives a reply from an agent, the email includes a conversation history. You can limit the number of last replies to the history using this option. If you set it to 0, you will completely hide the history.
Template of New Ticket Email for Customers'	When a customer creates a new ticket, he or she receives an email with confirmation. This option sets a template for this email.
Template of New Ticket Email for Staff	When the customer creates a new ticket, the agent receives an email notifying the agent about the new ticket. This option sets a template for an email.
Template of New Message Email for Customers'	When the agent replies to a ticket, the customer receives an email with this reply. This option sets a template for this email.
Template of New Message Email for Staff	When a customer replies to a ticket, the agent receives an email with this reply. This option sets a template for this email.
Template of New Message Email for a Third-Party	This option sets a template for an email that an agent sends to 3rd party users.
Template of Ticket Reminder	This option sets a template for an email that the Help Desk reminder sends to an agent.
Template of Rule Notification	This option sets a template for an email that can be sent using the Help Desk Workflow Rules.
Template of Survey Satisfaction Result	This option sets a template of an email that allows a customer to rate the quality of the agent's reply.

## Customer Satisfaction Survey

The satisfaction survey is an additional block displayed both on email notifications and in messages in frontend. It features three base rate classes and allows you to measure the clients' satisfaction level.

Option	Description
Include a satisfaction survey in the reply email from staff members	Includes a satisfaction block to the email notifications, sent after staff have submitted a message to the ticket.
Show survey results in the frontend ticket history	Enables the customer to view the satisfaction rating they provided in their account.
Show survey results in the backend ticket history	Enables display of customer satisfaction rates (per message) in the backend ticket Edit page.
Send survey results to the ticket owner	If the option is enabled, the store agent will receive a result of the customer's support rate for their reply.
Send survey results to emails	Sets emails that will receive the results of the support survey. You can enter multiple emails separated by a comma.

## Customer Account

It contains options that manage a policy of ticket submission for registered customers.

Option	Description
Show the Help Desk section in the Customer Account	If the option is enabled, customers will see a Help Desk section in the customer account of the store.
Allow customers to select Priority	If the option is enabled, customers can select a priority for a new ticket.
Allow customers to select Department	If the option is enabled, customers can select a department for a new ticket.
Allow customers to select Order	If the option is enabled, customers can select an order for a new ticket.
Allow customers to attach files	Enable/disable the ability to attach files

## Reports

This section contains only one option - **Solved Statuses**. This list box allows you to set custom ticket Statuses, which will be used by the Help Desk MX reporting subsystem to determine how many tickets were resolved for a certain period.

Ticket reports can be seen at **Customers -> Help Desk MX -> Reports**.

## Working Hours

The section contains the Working Hours display options. For more information on this topic, see [Working Hours](#)

Option	Description
Show online/offline status on the Contact Us page	If this option is enabled, customers will see your store's status on the <b>Contact Us</b> page.
Show online/offline status in the Feedback popup	If this option is enabled, customers will see your store's status in the <b>Feedback</b> popup.
Show online/offline status in the Customer Account > My Tickets	If the option is enabled, customers will see your store's status in the <b>Customer Account &gt; My Tickets</b> .

Option	Description
Default message when we are open	Default message when we are open. Can be overwritten for each schedule in Customers > Help Desk MX > Working Hours.
Default message when we are closed	Default message when we are closed. Can be overwritten for each schedule in Customers > Help Desk MX > Working Hours. You can use the variable [time_left_to_open]
Show the working hours on the Contact Us page	If the option is enabled, customers will see the <b>Working Hours</b> of your store on the <b>Contact Us</b> page.
Show the holiday schedule X days before activation	The number of days to display holiday schedule before activation
Working schedule title	Title of Working Hours block on the <b>Contact Us</b> page
Upcoming working schedule title	Title of Upcoming Working Hours block on the <b>Contact Us</b> page

## Developer Settings

Normally, these options should be used only in a staging environment. Make sure that they are turned off after moving to production. For example, if Sandbox remains enabled, customers won't receive any email notification.

Option	Description
Activate Sandbox	If the option is enabled, the Help Desk will not send any email to your customers. All emails will be sent to the sandbox email.
Send All Outgoing emails to Email	Specifies a sandbox email (see previous option).
Force store's theme to apply styles	If a store theme overrides the Magento way of including styles, this option will add Help Desk styles to the page.
Log ticket deletion	This option logs ticket deletion in file <i>/var/log/mirasvit/helpdesk.log</i>

## Notification Settings

This section manages desktop notifications used for real-time information about the ticket's arrival or update. On heavy-loaded systems, this can cause production loss - so in this case, you need to disable this feature, or increase the check period to 500-600 secs.

Option	Description
Notifications check period, sec	Frequency of updates checks. Setting to 0 will disable them.
Show notification about the arrival of new tickets for	Users to display a notification for.
Enable notification about the arriving new messages in tickets assigned for user	If the option is enabled, users will receive notifications about new messages in their tickets.
Enable notification about assigning a ticket to the user	If the option is enabled, users will receive notifications about new tickets assigned to them.

## Extended Settings



This section manages desktop notifications used for real-time information about the ticket's arrival or update. On heavy-loaded systems, this can cause production loss - so in this case, you need to disable this feature, or increase the check period to 500-600 secs.

Option	Description
Help Text	This text will be shown under title on "Contact Us" page and "Feedback" tab
Show customer the local time in backend	Display the customer's local time in the backend. To ensure the option works correctly, you need to download a timezone database.
Path to GeoLite2 City database	Used for determining a customer's timezone by using a timezone file. You can download it here <a href="https://dev.maxmind.com/geoip/geoip2/geolite2/">https://dev.maxmind.com/geoip/geoip2/geolite2/</a> . Please enter a full absolute path to the file. E.g. /var/lib/GeoLite2-City.mmdb.
Enable Google reCaptcha	This option allows to control Google reCaptcha on Helpdesk pages. Find settings for Google reCaptcha in <b>Configuration &gt; Security &gt; Google reCaptcha</b> .

## Departments

To work correctly, the Help Desk MX requires you to have at least one department where all staff members are registered.

### Creating a New Department

To create a new department, go to the **Customers > Help Desk MX > Departments** backend page. Press the button **Add New**. You will see the following properties in two sections:

#### General Information

- **Title** - name of the department.
- **Is Active** - whether the department is active.
- **Is Shown at the Frontend** - If the option is enabled, customers can select this **Department** upon submitting new tickets.
- **Sort Order** - sort order, in which departments are shown in drop-down selection menus.
- **Sender Email** - Email address will be used as `From` when a member of this department replies to a ticket, so the customer can directly reply to email notifications. Such replies will be automatically fetched and added to tickets only when the corresponding mailbox is registered as a [Gateway](#).
- **Members of Department** - List of agents assigned to a department. They are regular backend users, defined at **System -> Permissions -> All Users**. The agent can also be registered in multiple departments.
- **Stores** - Sets the store's view or views where this department shall be used for assigning tickets.

#### Notification

- **If a ticket is unassigned, send notifications to all department members** - If this option is activated, all agents (all agents in all departments) will receive notifications (i.e., new messages) about unassigned tickets (including notifications about new tickets).
- **If a ticket is unassigned, send some notifications via email** (deprecated) - You can receive notifications (new messages) about unassigned tickets (including notifications about new tickets) via

email.

# Email Gateways

Help Desk MX can automatically fetch emails from your email account and convert them into tickets. To enable this feature, you have to connect your email account with Help Desk using Gateway, and **enable cron**.

All Gateways have their Grid, at **Customers -> Help Desk MX -> Gateways**, where you can create, edit and remove Gateways.

## Creating New Gateway

Go to the **Customers -> Help Desk MX -> Gateways** backend page. Press the button **Add New** and fill in the following properties:

- **Title** - the internal title of the gateway. You can use any phrase.
- **Email** - the email address of your mailbox
- **Login** - the login to your mailbox
- **Password** - the password to your mailbox. If you have set a two-step authentication, you need to generate a special password to apply and use instead of your regular one. Here is how it can be done for [GMail](#).
- **Is Active** - whether Gateway is active. Our cron task fetches emails via a registered mailbox only when it is activated here.
- **Host** - the hostname of your mail server
- **Folder** - is a special field which forces Help Desk MX to fetch emails only from a specific folder inside the mailbox. Typically this option is used when the Help Desk shares a mailbox with some other service or extension.
- **Protocol** - the protocol used by your mail server (IMAP or POP3)
- **Encryption** - the encryption method used by your mail server
- **Port** - the port used by your mail server
- **Fetch Frequency (minutes)** - how often the help desk should fetch new emails from your mailbox
- **Fetch Max** - the maximum number of fetched emails per one connection to your email server
- **Fetch Only X Last Emails** - can be useful for some mailboxes. Leave empty to disable this feature.
- **Remove emails after fetching** - makes our extension remove emails after fetching them.
- **Auto-assign tickets to Store View** - allows you to automatically set a storeview for tickets created from emails on this Gateway. It is extremely useful for multi-stores and separating staff duties.
- **Auto-assign tickets to department** - allows you to automatically set tickets created for the Department from emails on this Gateway. It is extremely useful in separating staff duties.
- **Notes** - any additional notes.

Our extension supports the following types of encryption:

- **SSL** - Secure Sockets Layer, used in most public mail servers, like Gmail.
  - **TLS** - Transport Layer Security, used in private mail servers. Our extension supports both TLS with or without certificate validation.
- 
- **Example of connecting Gateway to Gmail**

You will need the following setup to connect to the Gmail mailbox.

- **Title:** Gmail gateway (in fact, there can be any logical name)
- **Email:** your\_email@gmail.com
- **Login:** your\_email@gmail.com
- **Password:** the password to your Gmail account
- **Is Active:** Yes
- **Host:** imap.gmail.com
- **Protocol:** IMAP
- **Encryption:** SSL
- **Port:** 993

## Note

Before connecting to Gmail, make sure that you have [enabled IMAP access](#).

If you use the Two-Step Authentication, you will need to create a special [Password for Application](#) and provide it at **Password** property instead of a regular one.

- **Example of connecting Gateway to Outlook/Exchange server**

You will need the following setup to connect to the Outlook/Exchange mailbox:

- **Title:** Outlook gateway
- **Email:** your\_email@outlook.com
- **Login:** your\_email@outlook.com
- **Password:** the password to your Outlook account
- **Is Active:** Yes
- **Host:** imap-mail.outlook.com
- **Protocol:** IMAP
- **Encryption:** SSL
- **Port:** 993

## Checking Gateway Mailbox

You can check Gateway's current status by pressing the **Debug** button at the top menu ribbon.

This button will start our special script, to connect to your mailbox using the provided credentials, and display the following data:

- **Number of emails in your mailbox**
- **Subjects of last 10 emails and their status (read/unread).**

The debug page is used to troubleshoot fetching issues. Read more [here](#).

## Statuses

Statuses mark the different stages of a ticket's resolution. Our extension provides three default variations:

- Open - assigned at the stage of creating a ticket or in its initial message reply;
- In Progress - assigned after further replies.
- Closed - assigned when the ticket is counted as resolved.

If you wish, you can create a set of statuses. If so, you also need to include them to your tickets workflow using the following options:

- Set initial status, which is assigned to the ticket upon its creation, at **Help Desk MX -> Settings -> General Settings -> Status for new tickets**
- Choose statuses, which will automatically move tickets to the Archive, at **Help Desk MX -> Settings -> General Settings -> Move Ticket to Archive if it has one of the following statuses.**
- Choose statuses which will mark tickets as resolved at **Help Desk MX -> Settings -> Reports -> Solved Statuses.**

You can also assign different statuses, using [Workflow Rules](#), or by [setting a reminder for a ticket](#).

## Creating New Status

To create a new status, go to the **Customers > Help Desk MX > Statuses** backend page. Press the button **Add New**. You will see the following settings:

- **Title** - label of the status.
- **Code** - unique code of the status. It can contain only letters, digits, and underscore.
- **Sort Order** - sorting order, in which statuses will be displayed on a drop-down selection menu.
- **Color** - the color of the status label (used for better visualization in Grid)
- **Stores** - sets the store view or views where the status will be used for ticket workflow.

### Note

Status labels are not translated using standard Magento means of translation.

If you wish to have the same status displayed differently on other stores, use the **Store View** switcher to jump to other store views and put a translation into the **Title** field.

## Priorities

Priorities are used to rank tickets by their urgency (or other metrics you are using). Our extension comes with three default priorities:

- Low
- Medium
- High

If you think you can create your priority set, you also need to include them in your tickets workflow using the following options:

- Set the initial priority for tickets assigned on their creation at **Help Desk MX -> Settings -> General Settings -> Priority for new tickets.**

You can also assign different priorities using [Workflow Rules](#), or by [setting a reminder for a ticket](#).

# Creating New Priority

To create a new priority, go to the **Customers > Help Desk MX > Priorities** backend page. Press the button **Add New**. You will see the following settings:

- **Title** - Label of the priority.
- **Sort Order** - sorting order, in which priorities will display at the drop-down selection menu.
- **Color** - the color of priority label (used for better visualization in a Grid)
- **Stores** - sets the store's view or views where this priority can be used for ticket workflow.

## Note

Priority labels can not be translated using the standard Magento translation means.

If you wish to have the same priority displayed differently on other stores, use the **Store View** switcher to jump to other store views and put translation to the **Title** field.

# Quick Responses

Quick Responses are message templates which are used to give stereotypical answers to queries about tickets. They are visible only by staff and used only as answers to customers' questions, which are found at the backend Ticket Edit Page.

For detailed information on how to use Quick Response, refer to the [How to Reply to a Ticket](#) section.

# Creating Quick Response

To create a new quick response, go to the **Customers > Help Desk MX > Quick Responses** backend page. Press the button **Add New**. You'll see the following properties:

- **Internal Title** - the internal title of the quick response. Customers will not see it.
- **Is Active** - whether this Quick Response is active will be displayed at the Ticket Edit page.
- **Template** - text of the quick response. This text will be inserted into the reply field. You can use the following variables here:
  - [ticket\_customer\_name] - Customer's full name.
  - [ticket\_customer\_email] - Customer's email address.
  - [ticket\_code] - Ticket number (eg. #TX-234234).
  - [store\_name] - Name of the store.
  - [user\_firstname] - Agent's first name.
  - [user\_lastname] - Agent's last name.
  - [user\_email] - Agent's email address.
- **Stores** - Store views where this quick response can be used. If you have multiple languages, you need to have different quick responses for different store views.

## Note

If, for some reason, a Quick Response is not visible on the Ticket Edit page, jump to the **Additional** tab, and check the **Store View** field. The same shall be selected in the **Stores** field of that Quick Response.

# Custom Fields

Help Desk MX allows you to create custom fields. You can use them to store any additional information about tickets. You can set it up where you would like to show some custom fields, and can filter and search tickets by custom fields.

## Creating New Custom Field

To create a new custom field, go to the **Customers > Help Desk MX > Custom Fields**, and press the button **Add New**. You will see the following properties:

- **Title** - Name of the field.
- **Code** - Internal code of the field. It can contain only letters, digits, and the underscore.
- **Type** - Field's type. The following types are possible:
  - **Text** - One line text field.
  - **Multi-line text** - Multiple lines text field (textarea).
  - **Date** - Date with calendar.
  - **Checkbox**
  - **Drop-down list**
- **Description** - Field's description.
- **Options list** - Used only for fields with the 'drop-down list' type. Enter each value from the new line using the format:

```
value1 | label1  
value2 | label2
```

- **Active**
- **Sort Order**
- **Show value in customer account** - If the option is enabled, the field's value will be shown in the customer's account (ticket's page).
- **Show in creating ticket form** - If the option is enabled, the field will be shown in the customer's account (create new ticket form).
- **Show in contact-us form** - If the option is enabled, the field will be shown in the contact form and the feedback tab.
- **Required for customers** - If the option is enabled, customers will be required to fill in this field when they create a new ticket.
- **Required for staff** - If the option is enabled, agents will be required to fill in this field when they create a new ticket or reply.
- **Stores**

Custom fields can also be used in email templates by their codes. For a detailed description, see the [How to customize email notifications template](#) section.

## Spam filters

The Help Desk MX allows you to filter incoming emails automatically and cuts off spammers. It is done via special patterns to which emails are compared, and if a match is found - the corresponding message moves to the **Spam** folder.

## How to Create Spam Pattern

To create a new spam pattern, go to **Customers > Help Desk MX > SPAM Pattern**. Press the button **Add New**. You will see the following properties:

- **Title** - Internal title of spam pattern.
- **Is Active** The period from which the spam pattern starts being active till it stops being active.
- **Scope** - Sets an email field that will be checked for a matching pattern. You can set the following areas:
  - **Headers** - Service information that is generated by email client while sending the email.
  - **Subject** - Subject of the email.
  - **Body** - Main text of the letter or email.
- **Pattern** - Expression in which an email is considered spam. The pattern supports regular expression, see [Regular Expressions](#). **Patterns must be covered in slashes** A useful service in testing patterns can be found [here](#).

## Examples Of Spam Patterns

- **Spam filter for all emails with the domain example.com**

**Scope:** Headers

**Pattern:** `/[^\@]+\@example.com/`

- **Filter for users who have emails which includes user, works for any domain.**

**Matches with:** "user@mail.ru", "123user@gmail.com", "Myuser1234@yahoo.com".

**Scope:** Headers

**Pattern:** `/. *user.*[@](?!domain\.com).*$/`

- **Filter block for emails beginning with the word "free" or containing the base word "free" after space.**

**Matches with:** "free", "free money!", "free discount".

**Doesn't match:** "freeze", "nofree".

**Scope:** Subject

**Pattern:** `/^free[ ].*|^free/`

- **Filter block for emails with text: Special offer.**

**Matches with:** "\$pecial Offer", "!!special Offer!!", "Special Offer?!".

**Scope:** Body

**Pattern:** `/. *[\$Ss]pecia[l1]\W[0o0]ffer.*/`

## Permissions

The permission grid provides the backend agents with the ability to limit access to tickets. It promotes the separation of duties and can boost effectiveness.

Go to **Customers > Help Desk MX > Permissions**. Here you can add restrictions for each role, defined on a particular Magento store. By default, there is only one record which allows full access to all agents:

## **Role Has access to tickets of department Can remove tickets**

All Roles	All Departments	Yes
-----------	-----------------	-----

That means that any staff member has access to tickets from all departments, and any user can delete tickets.

Administrators can edit this record and add additional ones to set up the correct permissions.

### **Example**

Let's imagine that we have three roles in our store: Administrators, Support, and Sales. We can set up a Help Desk in a way that administrators will be able to access every department and have the ability to delete tickets. Still, Support and Sales will have restricted access to all but tickets from their departments without deleting them. Doing this enables us to make the following set up:

#### **Role Has access to tickets of department Can remove tickets**

Administrators	All Departments	Yes
Support	Support	No
Sales	Sales	No

Also, take note that if, due to any reason, a ticket is sent to the wrong department, that department's team members can redirect the ticket to another department. For example, even if the Support Department team does not have access to the Sales Department tickets, they can assign the ticket to the Sales Department.

## **Workflow Rules**

The Workflow Rules allow you to automate your task routines.

Each rule is bound to a certain event, contains a set of conditions - which an average ticket needs to meet - and an action that should be executed if the conditions are met. Here is a list of the most frequently used examples:

- Automatically assigns any ticket to your expert staff members depending on the subject;
- Automatically assigns any ticket to a certain department;
- Auto-sets up a ticket's status to 'In Progress' after the first reply of a support team member;
- Creates a custom notification for both staff and customers;
- Creates a special reminder, which requires more complex conditions than [follow-up reminders](#).

The possibilities are nearly endless. Please, check this blog post for detailed information on <https://mirasvit.com/blog/how-to-streamline-workflow-with-a-unique-help-desk-mx-rules-feature.html>.

Also, a set of useful examples can be found in [Workflow Rule Examples](#) section.

## **Creating Workflow Rule**

Rule creation is quite complex; therefore, we will divide this section into five respective subsections:

- [General Settings](#)
- [Events](#)
- [Conditions](#)
- [Actions](#)



- [Notifications](#)

## General Settings

Here are the basic properties that manage rules execution:

- **Rule Name** - a logical name for a rule.
- **Active** - verifies whether the rule is active or not.
- **Stop Further Rules Processing** - If multiple rules are defined for the same event, this option can help control their execution (see below).

## Events

Each Workflow rule shall be bound to an event. These are the following possible events:

- **New ticket is created** - this is triggered upon ticket creation, but before any reply (including initial) is added.
- **New Reply from Customer** - this is triggered when a new reply from a customer appears.
- **New Reply from Staff** - this is triggered when a new reply from a staff appears.
- **New Reply from Third Party** - this is triggered when a new reply from a third-party appears.
- **Ticket Assigned to Staff** - this is triggered when a ticket owner changes his or her ticket.
- **Ticket Was Changed** - this is triggered whenever any change is done to a ticket (added message, changed status or priority, or even changed custom field).
- **Ticket Was Converted to RMA** - this is triggered when a ticket is converted to RMA. This event can be used only when [Mirasvit RMA](#) extension is installed.
- **Check Every Hour** - this is triggered by our cron task. Make sure that the cron is enabled when using this event.

## Conditions

Each rule can contain conditions that allow you to determine whether the rule can be applied to the tickets or not, as is listed below:

- **Subject** - the title on a ticket
- **Last message body** - the contents of the last public message left on a particular ticket
- **Created at** - the date a ticket was created
- **Updated at** - the date of a ticket's latest update (e. g. new message appeared, or properties changed)
- **Store** - this is the place the ticket was submitted into (**note:** this condition does not properly detect backend-created tickets, as they can be bound to any store. If you wish to detect backend creation, you need to use the **Ticket Source** condition in addition).
- **Priority (before change)** - a priority which a particular ticket has before the ending of the event (used only for **Ticket was changed** event)
- **Priority** - current ticket priority
- **Status (before change)** - the status of a particular ticket before the end of an event (used only for **Ticket was changed** event)
- **Status** - current ticket status
- **Department (before change)** - the department to which a particular ticket was assigned before the end of an event (used only for a **Ticket was changed** event)
- **Department** - current ticket department
- **Owner (before change)** - the person who held a particular ticket before an event ended (used only for a **Ticket was changed** event)

- **Owner** - current ticket owner
- **Last Reply By** - who gave the last reply on this ticket: **Customer** or **Staff** agent
- **Last Reply Type** - the type of message last left on the ticket. Can be of the following types (refer to [How to Reply to a Ticket](#) for more information):
  - **Public Reply**
  - **Internal Note**
  - **Message from Third Party**
  - **Internal Message from Third Party**
- **Hours since Created** - a period from the creation of a particular ticket (**note:** this condition is not precise, use **equal or greater** or **equal or lesser** comparators here)
- **Hours since Updated** - the period from the latest update of a particular ticket (**note:** this condition is not precise, use **equal or greater** or **equal or lesser** comparators here)
- **Hours since the Last Reply** - the period from when the last message appeared on a particular ticket (**note:** this condition is not precise, use **equal or greater** or **equal or lesser** comparators here)
- **Tags** - the tags associated with a particular ticket in the **Additional** tab of the **Tags** field.
- **Ticket Source** -the creation source of a ticket, which has four options: **Email**, **Backend**, **Contact Tab** , **Contact Form** and **Customer Account**.

If there is a custom field, it can also be used as a condition. Each field will be listed in two forms: a standard field value and "before changed," especially for **Tickets, which has changed** event-- e.g., if the field is **Telephone**, then conditions will be **Telephone** and **Telephone (before change)**, respectively.

Conditions can be organized into groups using a mode selector, which appears as a separate condition **Conditions Combination**. It allows for the creation of very complex rule sets.

## Actions

Each rule also contains actions that should be executed if a ticket has met its conditions. For now, supported are the following:

- **Set Status** - changes the status of the ticket applied.
- **Set Priority** - changes the priority of the ticket applied.
- **Set Department** - changes the department of the ticket applied.
- **Set Owner** - changes the owner of the ticket applied.
- **Archive** - moves the ticket to the archive.
- **Add Tags** - automatically allows for adding of tags upon the triggering of a rule.
- **Remove Tags** - automatically allows the removal of tags upon the triggering of a rule.

## Notifications

This rule definition section allows for the creation of custom email notifications, which are sent upon the triggering of a rule.

To establish a custom notification, you can use the following options:

- **Send email to ticket owner** - notification should be sent to the current ticket assignees.
- **Send email to all department users** - notification should be sent to all users registered in the ticket's department.
- **Send email to customer** - notification is sent to the customer
- **Send email to other email addresses** - notifications are sent to a specified email address.
- **Email Subject** - the subject of the email notification.
- **Email Body** - the body of the email notification.

## Note

**Email Body** shall contain only the message that should be sent as notification. A full template of such an email can be set at **Help Desk MX -> Email Notification Settings -> Template of Rule Notification**. Refer to the [How to create a custom Notification Email](#) section for more info.

- **Attach files previously attached to the last message** - indicates whether the notification will include an attachment from the last reply to the ticket.

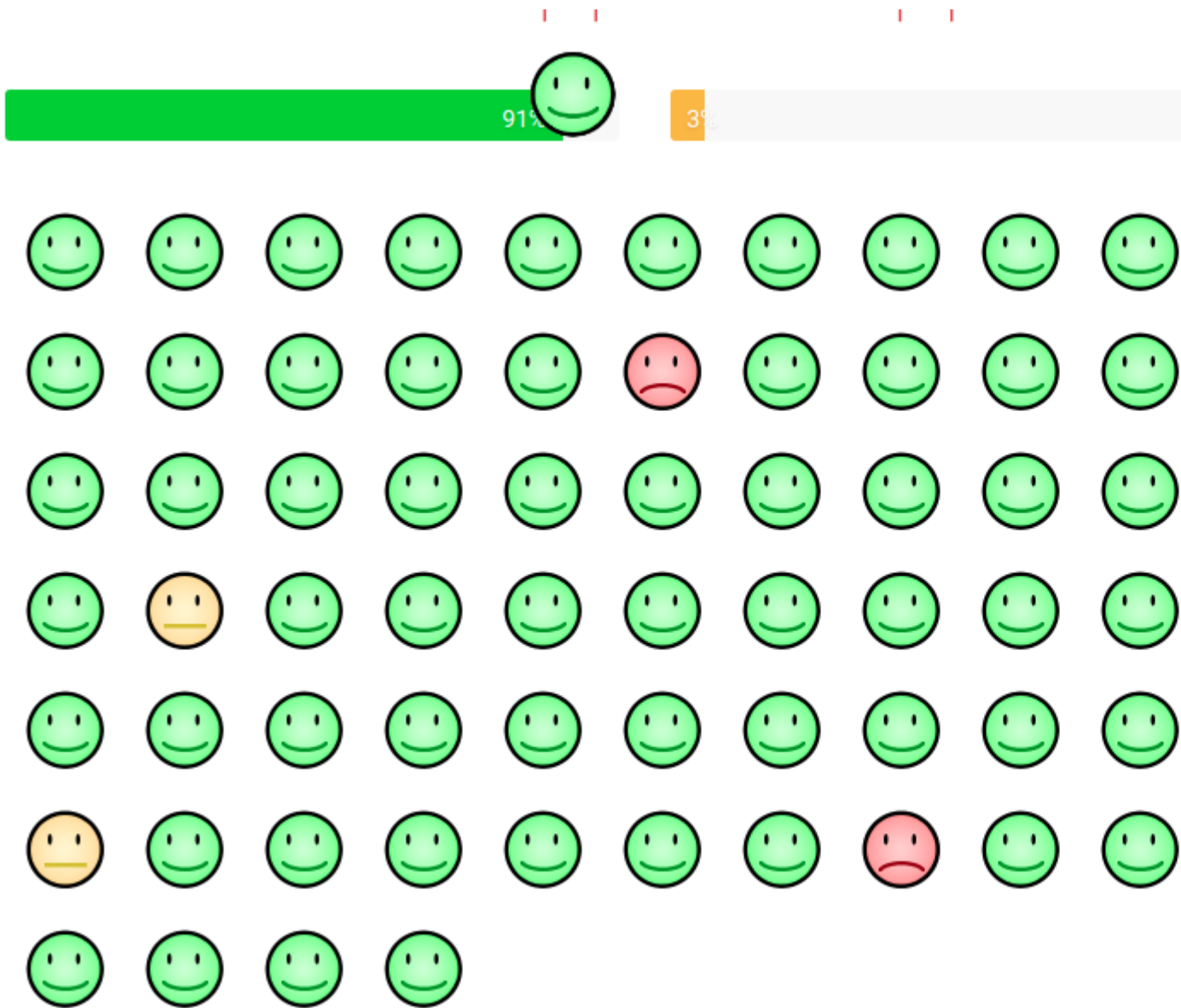
# Satisfaction Widgets

Beginning from version 1.1.84, we have added two widgets:

- Helpdesk Satisfaction Block - this shows the current satisfaction rate. It allows you to set the URL to another page with the last 100 satisfaction reviews or other information.



- Helpdesk Satisfaction List - display last 100 satisfaction reviews



## General Information

You can use API to attract customers and increase sales rate in your store. At this point, you can simultaneously use Help Desk MX from external tools that work on separate servers and use other programs, which includes the use of mobile applications. Using Help Desk MX a store can get a single point of handling all queries, emails, offline chat messages, and other contact sources.

To get the full list of available GraphQL APIs, check [GraphQL Reference](#).

## GraphQL Objects Reference

The full documentation on GraphQL is available on the Magento DevDocs page [GraphQL Developer Guide](#)

### Prerequisites

Your store should have installed the module Help Desk MX. In order to begin using GraphQL in the Help Desk MX module it is mandatory to install Helpdesk GraphQL for Magento 2 module. It is not available separately, but it can be installed after the purchase of [Help Desk MX](#).

After you have installed the module Helpdesk Graph Ql, open command line interface and go to the directory with your Magento setup. Run command `composer require mirasvit/module-helpdesk-graph-ql` and after it finishes activate Helpdesk Graph Ql module with command `bin/magento module:enable Mirasvit_HelpdeskGraphQL`.

In the end run `bin/magento setup:upgrade` to avoid errors regarding the unavailability of the module's data.

## Helpdesk GraphQL objects

### Customer object

The Customer object is responsible for providing data on the tickets that include a specific customer.

The Customer object can contain the following attributes.

Attribute	Data Type	Description
<code>mstHelpdeskTickets</code>	<code>HelpdeskTickets</code>	Displays the tickets of the chosen customer. On input requires customer or parameters "external_id" or "order_id" is required

### Mutation object

A mutation can create, update, or delete objects and fields. In REST terminology, queries operate like GET requests, while mutations are similar to POST, PUT, and DELETE.

A mutation contains the following elements:

- The keyword mutation
- An operation name for your local implementation. This name is required if you include variables. Otherwise, it is optional.
- The mutation name
- The input object or attributes. Most mutations require an input object that contains data or individual attributes for the Magento server to process. However, some mutations, such as `createEmptyCart`, do not require an input object.
- The output object, which specifies which data the mutation returns.

The Mutation object in this module can contain the following attributes.

Attribute	Data Type	Description
<code>mstHelpdeskCreateTicket</code>	<code>MstHelpdeskTicketInput</code>	This attribute is used for creating ticket. The attribute in non-nullable.
<code>mstHelpdeskAddMessage</code>	<code>MstHelpdeskMessageInput</code>	Adds a message for created ticket. The attribute in non-nullable.

### HelpdeskTicketInput input object

Being an input type the `HelpdeskTicketInput` object can consist of fields that are a scalar, list or other input types.

The `HelpdeskTicketInput` object can contain the following attributes:

## Attribute Data Type Description

subject | String | The subject of the ticket. The field is non-nullable. message | String | The body message of the ticket. The field is non-nullable. channel | HelpdeskTicketChannel object | Depicts the communication channel that was used for the ticket. The field is non-nullable. telephone | String | Customer's phone number. current\_url | String | Depicts current URL to the ticket. close\_ticket | Boolean | Displays if the ticket is closed. department\_id | Int | Shows the ID of the department the ticket belongs to. priority\_id | Int | Displays the ticket priority level. custom\_fields | Array | Array of of HelpdeskCustomField input objects.

Attributes customer\_name and customer\_email each can have a description field that is used only for guest customer

### HelpdeskTicketsFilterInput input object

This is another object of the HelpDesk MX module and it is used to filter out the tickets from the database. The HelpdeskTicketsFilterInput object can contain the following attributes:

Attribute	Data Type	Description
external_id	String	Filters the list of tickets by specific External ID.
order_id	Int	Filters tickets by the Order ID.

### HelpdeskMessageInput input object

It contains the message that has to be sent by the Helpdesk service. The HelpdeskMessageInput object can contain the following attributes:

Attribute	Data Type	Description
customer_name	String	This attribute is used only for guest customer.
customer_email	String	This attribute is used only for guest customer.
message	String	Message that has to be placed in the ticket.

### HelpdeskCustomFieldInput input object

The HelpdeskCustomFieldInput input object can contain the following fields regarding the

Field	Data Type	Description
code	String	Shows the code ID of the custom field. The field is non-nullable
value	String	Contains the information of the custom field.

### HelpdeskTicketsOutput output object

It displays the general information on the list of tickets. The MstHelpdeskTicketsOutput object can contain the following attributes.

Attribute	Data Type	Description
items	Array	Is the array of MstHelpdeskTicket objects. The field is non-nullable.
total_count	Int	Displays a number of total tickets in the output.
page_info	SearchResultPageInfo	Displays search results.

### HelpdeskStatus object

This object shows the current status of the HelpDesk. The `MstHelpdeskStatus` contains data with the following attributes:

Attribute	Data Type	Description
<code>status_id</code>	Int	ID of the HelpDesk current status. The field is non-nullable.
<code>name</code>	String	Displays the name of the status. The field is non-nullable.
<code>code</code>	String	Displays the code of the HelpDesk status. The field is non-nullable.
<code>color</code>	String	Depicts the color of the HelpDesk status. The field is non-nullable.

### HelpdeskDepartment object

This object is used to work with the HelpDesk department data. The `MstHelpdeskDepartment` contains data with the following attributes:

Attribute	Data Type	Description
<code>department_id</code>	Int	ID of the HelpDesk department. The field is non-nullable.
<code>name</code>	String	Displays the name of the HelpDesk department. The field is non-nullable.

### HelpdeskPriority object

This object is used to work with the HelpDesk priority data. The `MstHelpdeskPriority` contains data with the following attributes:

Attribute	Data Type	Description
<code>priority_id</code>	Int	ID of the HelpDesk priority level. The field is non-nullable.
<code>name</code>	String	Displays the name of the HelpDesk priority level. The field is non-nullable.
<code>color</code>	String	Shows the color coding of the HelpDesk priority level. The field is non-nullable.

### HelpdeskTicket object

This object is used to work with the ticket data. The `MstHelpdeskTicket` contains data with the following attributes:

Attribute	Data Type	Description
<code>subject</code>	String	The text for the subject field of the ticket. The field is non-nullable.
<code>code</code>	String	Displays the code of the ticket type. The field is non-nullable.
<code>priority</code>	<code>MstHelpdeskPriority</code>	Shows the ticket priority level.
<code>status</code>	<code>MstHelpdeskStatus</code>	Depicts the current ticket status.
<code>department</code>	<code>MstHelpdeskDepartment</code>	Shows the data on the department the ticket is processed in.
<code>customer</code>	Customer	Shows the data on the customer.
<code>order</code>	Order	Shows the data on the order.
<code>messages</code>	<code>MstHelpdeskMessages</code>	Displays the list of messages created in the ticket.
<code>customFields</code>	Array of <code>MstHelpdeskTicketCustomField</code>	Displays the custom fields data of the ticket.

### HelpdeskMessages object

It is used to work with the ticket's messages data. The `MstHelpdeskMessages` contains data with the following attributes:

Attribute	Data Type	Description
<code>items</code>	Array of <code>MstHelpdeskMessage</code>	Represents the messages of the ticket. The field is non-nullable.
<code>page_info</code>	<code>SearchResultPageInfo</code>	Displays the resulting page of the search.
<code>total_count</code>	<code>Int</code>	Depicts the total number of messages.

### HelpdeskMessage object

It is used to work with the message data fields. The `MstHelpdeskMessage` contains data with the following attributes:

Attribute	Data Type	Description
<code>triggeredBy</code>	<code>MstHelpdeskTriggeredBy</code>	Represents who has triggered the message. The field is non-nullable.
<code>ownerName</code>	<code>String</code>	Shows the name of a person who triggered the message. The field is non-nullable.
<code>text</code>	<code>String</code>	represents a message content. The field is non-nullable.
<code>createdAt</code>	<code>String</code>	Depicts a date and time the message was created. The field is non-nullable.

### HelpdeskTicketCustomField object

It is used for the message's custom fields. The `MstHelpdeskTicketCustomField` contains data with the following attributes:

Attribute	Data Type	Description
<code>name</code>	<code>MstHelpdeskTriggeredBy</code>	Represents a name for the custom field. The field is non-nullable.
<code>value</code>	<code>String</code>	Depicts the custom field content.

### HelpdeskCustomFieldsFilterInput object

It is used to filter the input type of custom fields. The `MstHelpdeskCustomFieldsFilterInput` contains data with the following attributes:

Attribute	Data Type	Description
<code>is_visible_customer</code>	<code>Boolean</code>	Filters the customer visible fields.
<code>is_visible_contact_form</code>	<code>Boolean</code>	Filters the input contact form.

### HelpdeskCustomFieldsOutput object

It is used to output the custom fields. The `MstHelpdeskCustomFieldsOutput` contains data with the following attributes:

Attribute	Data Type	Description
<code>items</code>	Array of <code>MstHelpdeskCustomField</code>	Represents the custom fields of the ticket The field is non-nullable.
<code>total_count</code>	<code>Int</code>	Depicts the total number of messages.
<code>page_info</code>	<code>SearchResultPageInfo</code>	Displays the resulting page of the search.



## HelpdeskCustomField object

Works with the custom fields of the ticket. The `MstHelpdeskCustomField` contains data with the following attributes:

Attribute	Data Type	Description
<code>name</code>	String	Represents the name of the custom field. The field is non-nullable.
<code>code</code>	String	Stands for the code marking of the custom field. The field is non-nullable.
<code>type</code>	String	The type of the custom field data. The field is non-nullable.
<code>options</code>	Array of <code>MstHelpdeskCustomFieldOption</code>	Options of the custom field.
<code>description</code>	String	Description of the custom field. The field is non-nullable.
<code>is_required_customer</code>	Boolean	If the field requires customer actions. The field is non-nullable.
<code>is_visible_customer</code>	Boolean	If the field is customer visible. The field is non-nullable.
<code>is_editable_customer</code>	Boolean	If the field can be edited by customer. The field is non-nullable.
<code>is_visible_contact_form</code>	Boolean	If the field contains customer visible contact form. The field is non-nullable.

## HelpdeskCustomFieldOption object

Sets the options for the custom fields of the ticket. The `MstHelpdeskCustomFieldOption` contains data with the following attributes:

Attribute	Data Type	Description
<code>value</code>	String	Represents the value of the custom field option. The field is non-nullable.
<code>label</code>	String	Stands for the label of the custom field option. The field is non-nullable.

# Managing Tickets

This section contains all you need to do to manage tickets from the backend (i.e. by acting as an Agent). There you will find the following topics addressed:

- [Working with Tickets Grid](#)
- [How to Create New Ticket](#)
- [How to Reply to a Ticket](#)
- [How to Set Reminder for Ticket](#)
- [How to Use Additional Info of Ticket](#)
- [How to Set Satisfaction Survey to the Ticket](#)

# Working with Tickets Grid

The main part of the Help Desk MX extension is the Ticket Grid. It is located at **Customers > Help Desk MX** and contains a list of all tickets submitted by customers. It is also divided into three separate folders (by default all tickets are shown):

- **Inbox** - contains all active tickets (e.g. those which have not been sent to the archive).
- **Archive** - contains all archived tickets.
- **SPAM** - contains all tickets, marked as SPAM.

Normally, tickets are sent to a proper folder automatically by two checks:

- If a ticket's properties match one of **Spam Patterns**, then the ticket is sent to the **SPAM** folder;
- If a ticket's status is one that is defined in **Help Desk MX -> Settings -> General Settings -> Move Ticket to Archive if it has one of the following statuses**, it will be sent to **Archive**.

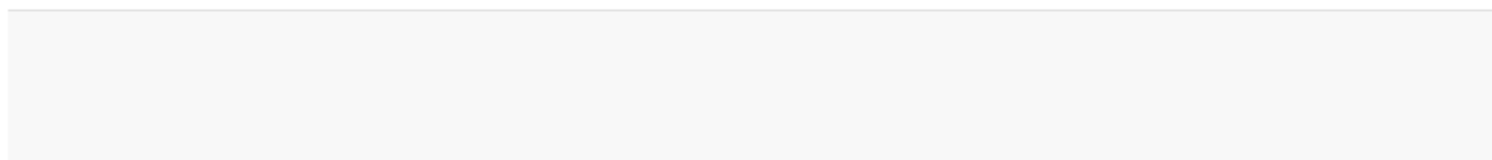
The same action can also be done manually or by using a [\\*\\*Workflow Rule](#).

## Note

To force Ticket Grid display tickets from only one folder, make a field **Folder** visible in the **Columns** section of the grid, and then filter tickets by the **Folder** using the **Filters** section.

Near the drop-down account menu (see screenshot below), the ticket counter is shown.

## Tickets ▾

  ▾ 6 records found

<input type="checkbox"/>	ID	Subject	Requester	Last Replier
<input type="checkbox"/>	SUS-980-24985	What is the status of my order?	Ann Peterson	Katie Couris

It consists of two values:

- Quantity of New tickets, located in the **Inbox** folder, but **not linked** to the assignee yet.
- Quantity of tickets, located in the **Inbox**, and assigned to a current staff agent.

## Note

Both values displayed in the ticket counter **do not** rely on active filters. e.g. if the customer filters the tickets' grid, the value will still be calculated from the entire folder.

The Ticket Grid also provides you with some practical actions.

- Standard Magento Grid actions such as filtering (using **Filter** section), altering columns display (using **Columns** section) and sorting tickets by columns;
- Search box allows you to search for tickets by its properties (mainly, Ticket ID, Subject, Messages or Tags);
- Mass actions that can be performed on selected tickets:
  - **Change Status**. Statuses which are assigned here can be defined in the [Statuses](#) section.
  - **Change Assignee**. Modify the current assignee of the ticket. Select a new owner from the dropdown list available after clicking the "Change Assignee" action.
  - **Mark as Spam**. Moves tickets to the Spam Folder;
  - **Mark as Archive**. Moves tickets to the Archive Folder;
  - **Mark as Inbox**. Moves tickets to the Inbox Folder (e. g. restores ticket);
  - **Delete**. Remove tickets.

## Note

Administrators can restrict access to tickets and restrict some actions using [permissions](#).

## How to Create New Tickets

1. To create a new ticket from backend, go to the **Customers > Help Desk MX**. Press the button **Create New Ticket**. The ticket creation page contains three sections: **General**, **Additional**, **Follow Up**. Their fields will be covered [below](#);
2. For ticket creation purpose, you are required to fill in only the fields below - all others are non-mandatory:
  - **To** - contains the email of the customer for whom the ticket is created. If that customer is registered, you can type his or her name in this field - and the email will be automatically selected;
  - **Subject** - the subject of this ticket;
  - **Status** - the initial status of this ticket. Statuses listed in this drop-down select can be defined in the [Statuses](#) section.
  - **Priority** - initial priority, which this ticket should have. Priorities listed in this drop-down select can be defined in the [Priorities](#) section.
  - **Assignee** - staff member that is in charge of this ticket. Members are defined in the **System -> Permissions -> All Users** section, but in order to appear, they should also be assigned to proper departments in the [Departments](#) sections.
3. Initial reply at the stage of ticket creation is not required. However, you can still use the Reply Area to leave such a message. Refer to [How to Reply to a Ticket](#) for additional details.
4. If some tags are marked on this ticket, jump to the **Additional** tab, and enter them in a comma-separated format in the **Tags** field.
5. You can also set up a periodic reminder for this ticket by using the **Follow Up** tab. Refer to [How to Set Reminder for Ticket](#) subsection for more info.
6. Save the ticket.

## Note

If you have chosen not to leave the initial reply, only two events will be fired upon the ticket's creation - **New ticket created** and **Ticket was changed**.

If you have chosen to leave the initial reply, then three events will be fired into the ticket's creation - **New ticket created**, **Ticket was changed** and **New reply from staff**.

Use these events wisely to properly create your [Workflow Rules](#) and automate workflow.

## How to Reply to a Ticket

You can reply to a ticket by either using the Help Desk backend interface or by email, using a special notification which is sent to staff on each customer's reply.

### Using Backend Interface.

When you open a particular ticket, you will see that the **General** tab is divided into two areas - the left-sided panel with **To** and **Ticket Summary** section, and the Reply Area, which contains the **Public Reply** section, which allows you to reply to the ticket.

There are four main options in replying:

- **Public Reply** - this is a standard reply of a staff member, visible both at the backend and frontend. Its content will be sent to the customer as an email notification.
- **Internal Note** - private notes will be visible only at the backend by the Help Desk agents. This option is used as an in-company communication.
- **Message to Third Party** - when this option is selected, an additional field appears - for a third-party email. It is useful in adding other actors such as the customer's developers to the tickets. The invited party will receive an email notification with some message contents. This reply will be visible at the frontend.
- **Internal Message to Third Party** - when this option is selected, an additional field for email appears, but this time, a reply will only be visible at the backend. This option is used for in-company communication.

If you have [Quick Responses](#), you can use them in the Reply Area, using the **Insert Quick Response** drop-down menu.

## Note

Quick Responses are store-dependent, so if you do not see some pre-defined Quick Responses in the drop-down menu, jump to the **Additional** tab and check the **Store View** field. It is a store view, from which ticket was placed (by default it is **Default Store View**).

Then go to **Help Desk MX -> Quick Responses**, and select a record. The field **Store View** shall contain the same store view (or **All Store Views**).

### Using Email Notification.

This type of reply is available only when you have configured one or more [Email Gateways](#), and registered them in their [Departments](#) as a **Sender Email**. Then, to each customer (or a third party), a reply is added to the

particular ticket; an email notification will come to an agent's mailbox.

Just answer that email, and a reply will come to the Gateway and be properly added to the ticket.

## Note

If you use a custom [Notification Template](#), make sure, that variable `{{var ticket.getHiddenCodeHtml() | raw}}` is present on your template. Otherwise, our fetch procedure will turn the reply into a separate ticket (it will think that this is a new ticket request).

## Note

You can also reply to tickets using email, but make sure that your sending mailbox **is not a Gateway**. All emails originated from Gateway mailboxes will be skipped to avoid infinite cycles due to "conversations" between Gateways.

## How to Set A Reminder for Ticket

An agent can set an email reminder for him or herself (or other agents) and customers - if a ticket is not answered for a long time, the action will be executed along with the reminder.

To establish such a reminder, pick up a ticket, and proceed to the **Follow Up** tab. There, you will find the following properties which allow you to set up reminders easily:

- **Period** - Units of time, in which the reminder period is measured. Can be:
  - In minutes;
  - In hours;
  - In days;
  - In weeks;
  - In months;
  - Custom - these options are not used, but are added for customers who wish to modify this feature.
- **Period Value** - Quantity of the units of time, defined above.
- **Send Reminder** - Also sends a reminder email to a specified email. It is useful in enforcing the timetable of the ticket's response.
- **Set Status To** - Status, which will be assigned to the ticket upon triggering a reminder.
- **Set Priority To** - Priority, which will be assigned to the ticket upon triggering a reminder.
- **Set Owner To** - A staff member will be assigned to a ticket upon triggering a reminder.

Three last properties are extremely useful in building an effective policy for managing tickets. For example, using **Follow-Up** reminders, you can automatically pass long and unfinished tickets on to an expert. The possibility of assigning statuses and priorities allows you to bring the staff's attention to such tickets.

## How to Use Additional Info of Ticket

Each ticket also contains useful info that can be used for different kinds of analytics. It is located in the **Additional** tab, and consists of the following properties:

- **Subject** - Precise subject of the initial message, that started this ticket (or email, if it was converted from it).
- **Store View** - Displays the store's view or views where this ticket was created.

- **Channel** - Assigned automatically during ticket creation. It contains a description of how a ticket has been created. There are four possible ways of creating a ticket:
  - Email - from the message, via [Gateways](#).
  - Feedback Tab - from Contact Tab, displayed at the left or right side of the frontend page, and governed by the **Help Desk MX -> Settings -> Feedback Tab** section.
  - Contact Form - from our general Contact Us form, which is overridden by our extension, and typically located at <http://store.com/contact/>.
  - Backend - from Tickets Grid, or additional tab at Order Edit Page.
- **External Link** - Contains link, which is sent in email notifications, and can be sent to the third parties to access a ticket message thread.
- **Tags** - Tags of the current ticket. Unlike other properties, they **can be set** here using a comma-separated format. This feature is extremely useful in ticket reviewing as it controls their workflow.
- **Ticket History** - Displays log of all changes to the ticket and assignees in charge.

## How to Set Satisfaction Survey to the Ticket

Help Desk MX includes a satisfaction survey in the tickets, which is extremely useful in measuring a level of support and staff productivity.

This survey appends a special block containing a simple form that allows customers to rate each staff reply to all email notifications. There are three possible remarks:

- Awesome;
- Just OK;
- Not good

When a customer selects one, he or she is transferred via a corresponding link to the form, where he or she can write detailed feedback.

This feedback can later be seen at **Customers > Help Desk MX > Satisfaction Survey Results**, with the possibility of per-staff and per-customer filtering.

You can enable this feature at **Store > Configuration > Help Desk > Customer Satisfaction Survey**, and control the display of its results:

- **Include a satisfaction survey in the reply email from staff members** - This adds a satisfaction survey to each customer's email notification.
- **Show survey results at the backend ticket history** - allows agents to see satisfaction rates and replies at the backend Ticket Edit page.
- **Send survey results to the ticket owner** - triggers a notification email to the ticket's owner when a new satisfaction rate is added.
- **Send survey results to emails** - triggers additional notifications on adding satisfaction rate. This option is useful in informing the higher-level staff about maintaining statistics.
- **Show survey results in the frontend ticket history** - in each ticket created by the customer, it shows the satisfaction rating the customer gave for the support replies.

## Building Email Notifications Policy

This section describes how Email Notifications are being used and fitted to suit your needs. It consists of the following subsections:

- [Help Desk Templates](#)
- [Customizing email notifications template](#)
- [Adding variables to custom Notification Emails](#)
- [Signing messages with a custom signature](#)
- [Disabling a Notification Email](#)
- [Examples of custom Notification Email](#)

## Help Desk Templates

Help Desk MX allows the sending of emails with different types of notifications to the customer and support team. Here is a list of all of our templates, along with its associated actions:

- **New Ticket Email for Customer** - sent when a ticket is created, with a basic confirmation message.
- **New Ticket Email to Staff** - sent when a ticket is created, and a summary is made for it.
- **Ticket Email, Assigned to Staff** - sent whenever a ticket is assigned or re-assigned to a particular agent. It also contains a summary.
- **New Message Email for Customer** - sent whenever a new message from staff or a third party is added to the ticket.
- **New Message Email for Staff** - sent whenever a new message from a customer or third-party is added to the ticket
- **New Message Email for Third-Party** - sent whenever a new message from a customer or staff is added to the ticket to a third-party user (or a customer) who has been added to the conversation.
- **Template of Ticket Reminder** - sent when a [reminder](#) is set for a particular ticket.
- **Template of Rule Notification** - sent when a [Workflow Rule](#) is configured to send notifications. This template acts as a wrapper to a message from the rule.
- **Template of Survey Satisfaction Result** - sent when the customer has left a response to [satisfaction survey](#).

These templates cover virtually any action which can take place while working with customers.

## Customizing email notifications template

All Email Notification Templates from the Help Desk are regular transactional emails - e. g. they can be customized using default Magento 2 means.

To customize the Help Desk MX email template, you need to perform the following, according to the steps enlisted below:

- Go to **Marketing > Communications > Email Templates**
- Press the button **Add New Template**
- Pick up a template in the dropdown that you would like to customize. They begin with **Helpdesk** prefix - **Helpdesk - Customer - New Message**, for example.
- Press the button **Load Template**
- Enter the new **Template Name** (e.g. My Helpdesk - Customer - New Message)
- Change **Template Subject** and **Template Content** if necessary
- Press the button **Save Template**
- Go to **Store > Configuration > Help Desk > Email Notification Settings**. Select your new template in the dropdown list of necessary notifications. Save the configuration.

In email templates, you can use the following variables:

- `{{var customer.name}}` - customer name

- `{{var customer.email}}` - customer email
- `{{var ticket.code}}` - ticket code
- `{{var ticket.name}}` - ticket subject
- `{{var ticket.department}}` - name of ticket department
- `{{var ticket.status}}` - name of ticket status
- `{{var ticket.priority}}` - name of ticket priority
- `{{var ticket.getCreatedAtFormatted($format)}}` - date ticket was created
- `{{var ticket.getUpdatedAtFormatted($format)}}` - date ticket was updated
- `{{var ticket.getLastMessageHtmlText()}}` - current ticket's message (in HTML format)
- `{{block class='Mirasvit\Helpdesk\Block\Email\History' area='frontend' template='Mirasvit_Helpdesk::email/history.phtml' ticket=$ticket}}` - block with ticket history
- `{{var ticket.getExternalUrl()}}` - external ticket's URL
- `{{var store.getFrontendName()}}` - name of your store
- `{{var user.firstname}}` - first name of ticket owner
- `{{var user.lastname}}` - last name of ticket owner
- `{{var user.email}}` - email of ticket owner
- `{{var department.name}}` - name of ticket's department

Note \$format can only be of one of these types: "none", "full", "long", "medium", "short", "traditional", "gregorian". For more information, please check [#intl.intldateformatter-constants](#)

Custom fields can also be used as variables through their codes, which are prefixed with "f\_" prefix. If you have a custom field with the code "test\_field", the proper email variable should be "`{{var ticket.f_test_field}}`". For custom fields of type "Drop-down list", the variable "`{{var ticket.f_test_field_label}}`" displays a label for the selected value.

## Adding variables to custom Notification Emails

Help Desk notifications also support standard Magento Email Template variables, such as `{{var logo_alt}}`, and supports function calling, like `{{var store.getFrontendName()}}`, and adds a set of its own variables.

- `{{var customer}}` - allows access to customer properties;
- `{{var ticket}}` - allows access to ticket properties, including custom fields (see below).
- `{{var department}}` - allows access to department properties.

The most usable properties are:

- `{{var customer.getName()}}` - Name of current customer
- `{{var customer.getEmail()}}` - Email of current customer
- `{{var department.getName()}}` - Name of department to which current ticket was assigned
- `{{var department.getSenderEmail()}}` - Sender email, used as the field From in notifiers
- `{{var ticket.getCode()}}` - Code of current ticket, e. g. YVB-459-53185.
- `{{var ticket.getName()}}` - Subject of current ticket.
- `{{var ticket.getCustomerEmail()}}` - Email of current customer.
- `{{var ticket.getCustomerName()}}` - Full name of current customer.
- `{{var ticket.getLastReplyName()}}` - Full name of customer or staff member who last replied to the current ticket.



- `{{var ticket.getFrontendLastReplyName()}}` - Name of the author to the last reply as it is displayed at the frontend (depending from option **Store > Configuration > Help Desk -> General Settings -> Sign staff replies**)
- `{{var ticket.getChannel()}}` - Name of the channel that created the ticket - e.g. 'email', 'backend' or 'feedback\_tab'.
- `{{var ticket.getExternalUrl()}}` - Frontend URL of current ticket.
- `{{var ticket.getBackendUrl()}}` - Backend URL of current ticket. The variable works correctly if the "Stores > Configuration > ADVANCED > Admin > Security > Add Secret Key to URLs" option is disabled.
- `{{var ticket.getLastMessagePlainText()}}` - Contents of last message posted.
- `{{var ticket.getUserName()}}` - Full name of current ticket owner.
- `{{var ticket.getOrder()}}` - Returns Order object to which current ticket was binded. It provides access to all order's properties (see example below, note that these properties can be used within `{{depend}}` tag).

## Example

Assume that you have to get the order number, to which the current ticket is binded. This requires the following code:

```
{{depend ticket.getOrder()}}
  {{var ticket.getOrder().getIncrementId()}}
{{/depend}}
```

Also, if there is a custom field, it can be used as an email variable. Each custom field has a code. Assume that we have created a field with the `custom_reason` code. Then the corresponding email variable is:

- `{{var ticket.getCustomReason()}}` - Email of the current customer.

## Signing messages with a custom signature

Our extension allows agents to have their signatures automatically added at the end of each response to the ticket. To add a signature, perform the following steps:

- Go to **System -> All Users** grid, and pick up a record for a particular agent.
- In the **Help Desk** additional tab, enter the signature to the field **Signature for Emails** (you can use HTML code, if need be).
- Save user record to apply the signature.

From that moment, each notification sent by that agent will be signed with the entered text.

## Disabling a Notification Email

To disable a Notification Email, you need to go to the **Store > Configuration > Help Desk > Email Notification Settings**. In the dropdown list of notifications, select the option **Disable these emails**. Then save the configuration to apply changes.

## Examples of custom Notification Email

All custom Notification Emails in Help Desk are created using [Workflow Rules](#).

To add a separate notification to the email flow, you need to set the conditions that should trigger emails to customers' properly, and add a message to the **Email Subject** and **Email Body** in **Notifications** tab. Here are a few real-life examples, which will help you create your custom notifications.

- **Notify Staff of Change of Ownership**

**Event:** Ticket assigned to staff

**Conditions:** None

**Notifications:** Send email to ticket owner: Yes

- **Notify a customer about ticket closing, if the customer has not answered for 30 days**

**Event:** Check every hour

**Conditions:**

Hours since Last reply is 720

Status is not Closed

**Notifications:** Send email to customer: Yes

- **Notify if a ticket has not been answered within three days**

**Event:** Check every hour

**Conditions:**

Hours since Last reply greater then 72

Status is Waiting for Customer

**Notifications:** Send email to customer: Yes

## Working Hours

This feature allows you to set a timetable for your store. It is displayed on the **Contact Us** page in the form of a working hours table.

The **Contact Us** popup will display only the current status message (open/closed - as defined in particular **Schedule**).

## How to Create Schedule for Working Hours

To create a new schedule, go to the **Customers > Help Desk MX > Working Hours** backend page. Press the button **Add New Schedule**. You will see the following settings:

- **Title** - the name on the schedule.
- **Working Hours** - days of the week and hours for the shedule to be applied.
- **Is Active** - whether it is active and should be shown as active.
- **Active From** - the date when the schedule will be active.
- **Active To** - the date when the schedule stops being active.
- **Stores** - sets store view or views where this schedule will apply

- **Sort Order** - sorting order for a grid display.
- **Is Holiday** - whether it is a timetable for holidays
- **Timezone** - in which time zone the scheduled time should be displayed (makes hours adjust respectively to the time zone).
- **Open message** - message to be displayed when the store is open.
- **Closed message** - message to be displayed when the store is closed.

## Reports

Reports are used in monitoring the statistics of tickets' flow and support quality.

They are divided into two separate menu actions:

- **Refresh Statistics** which is used to keep statistics up-to-date, and concentrate data for display.
- **Reports** which is used in visualizing data.

These actions can be selected from the menu drop-down in the **Customers -> Help Desk MX** section.

Reports contain the following metrics:

- New tickets
- Changed tickets
- Solved tickets
- 1st Reply Time (in hours)
- Total Responses

## The statistics of tickets' flow and support quality

- If you have not gathered statistics recently, go to **Customers -> Help Desk MX** and select **Refresh Statistics**. It will force data gathering, after which you will be redirected to the **Reports** page that has been updated with current data;
- Press the button on the top bar to show a chart concerning the following parameters:
  - **Hour of Day** - shows a current day statistics;
  - **Day** - shows daily statistics;
  - **Week** - shows weekly statistics;
  - **Month** - shows monthly statistics.
  - **Year** - shows yearly statistics.
  - **User Name** - shows statistics per staff member.
- Reports will be automatically refreshed

## Workflow Rules Examples

- **Automatically assigns a ticket to sales staff members only if the tickets have 'Order' as the subject**

Selects a department and a staff member, who will be responsible for the basic Order questions - say, Jane Doe from the Sales department.

**Event:** New ticket created  
**Conditions:** Subject contains Order  
**Actions:**

- **Set Department** -> Sales
- **Set Owner** -> Jane Doe

- **Automatically assigns a ticket, created from email, to a certain department**

**Event:** New ticket created  
**Conditions:** Ticket Source (Channel) is Email  
**Actions:**

- **Set Department:** Support

- **Automatically sets a ticket's status to 'In Progress' after the first reply of a support team member**

**Event:** New Reply from Staff  
**Conditions:** None  
**Actions:**

- **Set Status:** In Progress

- **Creates a custom manager notification when the tag "Problem" is added to the ticket**

**Event:** Ticket was changed  
**Conditions:**

- Tags contains Problem

**Actions:** None

**Notifications:**

- **Send email to other email address:** manager@store.com
- **Email subject** -> 'A problem ticket arrived'
- **Email body** -> (your notification message)

- **Change priority to High when it has not been answered for three days**

**Event:** Check every hour  
**Conditions:**

- Hours since the Last reply is greater than 72
- Last Reply Type is the Last Reply of the Customer **Actions:**
- **Set Priority:** High

## Known Issues

This section describes the most common problems that customers report and how they can be resolved:

- [Can not submit ticket. Error with Pelago\Emogrifier->addStyleElementToDocument](#)
- [Help Desk suddenly stopped fetching emails](#)
- [When I save a gateway, I see the error message 'Authentication failed for user..'](#)

- [IMAP has limited support or is completely disabled at the shell level](#)
- [Quick Responses contain weird javascript code](#)
- [Email replies do not bind to their tickets and are fetched as new tickets.](#)
- [Our staff replies, sent via email, do not appear in tickets.](#)
- [I have upgraded my extension, and have received a Fatal Error in one of the Mirasvit\\_Ddeboer\\_Imap classes](#)

## Can not submit ticket. Error with Pelago\Emogrifier->addStyleElementToDocument

If you see an error message like "Fatal error: Uncaught Error: Call on a member function appendChild() on null in ../emogrifier/src/Emogrifier.php:1419", please run the following command `composer require pelago/emogrifier:2.0.0`.

## Help Desk has suddenly stopped fetching emails

There are several possible reasons why the fetch stopped:

- **IMAP fetch capacity limit**

IMAP Protocol has a limited time window in fetching an email collection. When your mailbox contains over 2048 emails, the fetching collection becomes too long, and IMAP returns an empty collection. Our extension, therefore, thinks that there are no new emails and exits.

- **How to confirm this reason:** Go to **Customers -> Help Desk MX -> Gateways**, select a proper Gateway, and press the **Debug** button at its edit page. It will display the current number of emails. If it is above 2048, the reason will be confirmed.
- **How to resolve:**
  - **Remove all unnecessary emails.** This way, the fetched collection size will be reduced, and the fetch will work properly.
  - **Create a Folder or Label in a mailbox, and force a fetch from there.** Please enter the name of the created Folder or Label in the **Folder** field of Gateway, and this will force our extension to fetch emails only from there. It will also reduce the size of the fetched collection.

- **Incorrect Email Format**

Some emails can come in a special format, such as a non-standard encoding (Chinese Unicode, for example) or non-standard origin (Telnet, for example). Not all of them can be parsed since they are not standard. But they can block subsequent emails' fetch since a parse error stops the fetching cron task.

- **How to confirm this reason:** Go to **Customers -> Help Desk MX -> Gateways**, select the proper Gateway, and press the **Debug** button in the edit page. It will display the current number of emails. If it's below 2048 and one of the last emails is unread, the reason will automatically be

confirmed.

- **How to resolve:** Log in to your mailbox separately, and force that message read. Our extension will skip it and then proceed with others. **Note:** There can be other incorrect emails, so you might need to read several such emails forcefully.

### • **Third-Party Tool or Extension Conflict**

Our extension requires a monopoly in the mailbox, which is registered as Gateway. It fetches unread emails and marks them as read - so they will not be fetched next time. If you use a third-party tool which also uses the same mailbox, it can also mark emails as read, and our extension will skip them.

- **How to confirm this reason:** Go to **Customers -> Help Desk MX -> Gateways**, select the proper Gateway and press the **Debug** button edit page. It will display the current number of emails. If it is below 2048, the last emails will be marked as read, but if they are not converted to tickets or messages, the reason will be confirmed.
- **How to resolve:** Prevent your third-party extension from marking emails as read, or stop using it entirely.

### **Note**

There is a rare case when two different stores on **different servers** (both with Help Desk installed) use the same database. In this case, emails will be fetched only by one store, and the Help Desk, on the other hand, will skip all emails.

To resolve this case, you need to create two different Gateways for each store.

## **When I save a gateway, I see the error message 'Authentication failed for user..'**

This error indicates that the extension could not connect to the mailbox. Possible causes are:

### **1. You use two-factor authentication in your mailbox**

In this case, you need to create a separate password for the helpdesk and use it when you configure the gateway.

### **2. IMAP is disabled for your mailbox**

Please, contact your mailbox provider and ask them to email IMAP.

## **IMAP has limited support or is completely disabled at the shell level**

This issue is reported by our Email Fetching module and can be seen at **Customers > Help Desk MX > Gateways**, where the error "Can't fetch" appears. You can also run the following test: Open your shell console

and run the following command: `php -m | grep imap`. If you see an empty result, then IMAP is not enabled, and you need to enable it.

The cause of this issue is that PHP has two configurations. One for Apache (or other servers), the other for shell where the php-imap extension should work. Our extension fetches emails at shell level (via cron tasks) to use only php shell.

### **Solution:**

Contact your hosting provider and ask to enable php-imap for PHP at the shell level.

## **Quick Responses contain weird javascript code**

Example:

```
/*  *!function(){try{var t="currentScript"in document?document.currentScript:parent.document.currentScript;if(t){t.innerHTML="&lt;script&gt;";t.parentNode.removeChild(t);}}catch(e){}}]&gt;</pre></div><div data-bbox="45 345 941 380" data-label="Text"><p>This script is used by the CloudFlare Email Protection cloud service, which masks 'on-the-fly' email addresses by placing a special script after them.</p></div><div data-bbox="45 393 128 409" data-label="Section-Header"><h3><b>Solution:</b></h3></div><div data-bbox="77 424 939 475" data-label="List-Group"><ul><li>• Turn off the CloudFlare Email Protection service, or</li><li>• Go to <b>Customers &gt; Help Desk MX &gt; Quick Responses</b> and adjust the Quick Response content so that it does not contain free email addresses or variables translated to them.</li></ul></div><div data-bbox="45 508 873 556" data-label="Section-Header"><h2><b>Email replies do not bind to their tickets and are fetched as new tickets.</b></h2></div><div data-bbox="45 575 181 592" data-label="Text"><p>Possible causes:</p></div><div data-bbox="71 620 773 639" data-label="Section-Header"><h3><b>1. Variable <code>{{var ticket.getHiddenCodeHtml()}}</code> is missing on the email template</b></h3></div><div data-bbox="95 651 929 687" data-label="Text"><p>This issue can appear when a special variable <code>{{var ticket.getHiddenCodeHtml()}}</code> is missing in the email template. Also, it can be caused by some filter or spam protection means of your email provider.</p></div><div data-bbox="95 699 188 716" data-label="Section-Header"><h4><b>Solution 1</b></h4></div><div data-bbox="127 730 938 867" data-label="List-Group"><ul><li>○ Go to <b>Store &gt; Configuration &gt; Help Desk MX -&gt; Email Notification Settings</b> and check the name of the particular template</li><li>○ If a custom template is selected, go to <b>System -&gt; Transaction Emails</b> and edit that template. Put the variable <code>{{var ticket.getHiddenCodeHtml()}}</code> in the appropriate place and save.</li><li>○ If the standard template is selected, check templates at the <b>app/locale/[YOUR_LOCALE]/template/email/mst_helpdesk/</b> directory. Put it back <code>{{var ticket.getHiddenCodeHtml()}}</code> to the appropriate template and save it.</li><li>○ Purge ALL your cache.</li></ul></div><div data-bbox="95 880 189 897" data-label="Section-Header"><h4><b>Solution 2</b></h4></div><div data-bbox="127 911 946 946" data-label="List-Group"><ul><li>○ Go to <b>Store &gt; Configuration &gt; Help Desk MX -&gt; Email Notification Settings</b> and set the <b>Show Ticket ID in the email title</b> option to <b>Yes</b></li></ul></div>
```

## 2. Email service removes hidden ticket code

This issue can appear when the email service (Office360, for example), which cleans all additional email attributes, is used as either a sender or a gateway. This means that the ticket code is stripped from the email, and the customer's answer cannot be bound to the proper ticket.

### Solution:

- Go to **Store > Configuration > Help Desk MX -> Email Notification Settings** and set the option **Show Ticket ID in the email title** to "Yes".

## Our staff replies, sent via email, do not appear in tickets.

Please, check your sender emails: if they are also registered as Gateways, these replies are skipped because our extension treats them as auto-notifications.

Moreover, all emails that originate from Gateway mailboxes will be skipped to avoid an infinite cycle due to "conversations" between Gateways.

### Solution:

Remove all mailboxes that are used as sender emails from Gateways or provide your staff with separate mailboxes.

## I have upgraded my extension and have received a Fatal Error in one of the Mirasvit\_Ddeboer\_Imap classes

Please, check the full error message. It should look like one of these examples (or similar):

```
PHP Fatal error: Call to undefined method Mirasvit_Ddeboer_Imap_Message::ge
```

```
Fatal error: Uncaught Error: Class 'Mirasvit_Ddeboer_Imap_Server' not found
```

**Causes:** during upgrade or installation, not all of the required files of our extension were copied.

### Solutions:

- If you're using M2.1 and have installed our extension manually, make sure that the folder `lib/Mirasvit` from the installation package was correctly installed to `lib/internal` subdirectory into your Magento store root.
- If you're using M2.2, then perform the update via composer - it should restore all dependencies.

## How-To

This section describes the most frequently asked tasks with a detailed description, on how to do it:

- [Adding Help Desk Widget to Custom Forms](#)
- [Disabling staff switching on staff response to the ticket](#)
- [Disabling staff switching on staff response to the ticket](#)



## Adding Help Desk Widget to Custom Forms

You can insert the help desk contact form to the CMS page as a Magento widget.

To do this, please take the following steps:

1. Open the CMS page at the backend.
2. In the WYSIWYG editor, click on the **Insert Widget** icon.
3. Select **Help Desk Contact Form** from the dropdown list.
4. Press the **Insert widget** button.

## Disabling staff switching on staff response to the ticket

It is our extension's default behavior, so we **do not recommend** changing it unless you need it to be changed.

If you have decided to go through with changing, nevertheless, do the following steps:

- Open the module `/vendor/mirasvit/module-helpdesk/src/Helpdesk/Model/Ticket.php` and find the function `addMessage`.
- Comment on all the expressions of `$this->setUserId($user->getId());` type.
- Clean the Magento cache and regenerate a static content to enable changes to apply.

## Help Desk integration with chat

The module works with the different chats that send offline messages. You only need to send the offline messages to the email that is configured as a [Gateway](#)

## How to customize the email template

To change the email template of the Helpdesk, you need to do the following steps:

- Go to the **Marketing > Email Templates**.
- Press the button **Add New Template**.
- In the dropdown list, select the template that you would like to customize. The current extension templates are placed at the **Mirasvit\_Helpdesk** header.
- Press the button **Load Template**.
- Enter the new **Template Name** (e.g. Email notification for Customer).
- Change **Template Subject** and **Template Content** as you need, and save the template.
- Go to the **Sales > Helpdesk > Settings > Email Notification Settings**. Select your new template in the dropdown list of necessary notifications. Save configuration.

## Migration from Magento 1 to Magento 2

Below are examples of scripts that can be used in transferring data from Mirasvit Help Desk MX for Magento 1 to Mirasvit Help Desk MX for Magento 2. To use these scripts, you need the help of a PHP developer. The scripts may contain bugs which may not transfer all necessary data. Therefore, you may need to change them

to meet your needs. Migration service is not a part of our support service, so if you need our team's help, you will need to buy a migration service.

Click on the names of scripts below to download:

- [mirasvit\\_helpdesk\\_m1\\_export.php](#) - script for exporting Help Desk data to XML file.
- [mirasvit\\_helpdesk\\_m2\\_import.php](#) - script for importing Help Desk data from XML file.
- [freshdesk\\_migration.php](#) - script for importing Freshdesk json data.

## How to perform Migration

Follow these steps to correctly perform the migration:

1. Run a standard Magento 2 migration, and make sure that your customers and their orders were transferred from your M1 store to M2;
2. Ensure that Help Desk MX for Magento 2 is [installed](#) on your M2 store.
3. Place `mirasvit_helpdesk_m1_export.php` at the root of your M1 store, and run it either:
  - From your browser by opening URL `http://store_m1.com/mirasvit_helpdesk_m1_export.php`, or
  - From the SSH/Console: navigate to your store's root and run the command `php -f mirasvit_helpdesk_m1_export.php`
4. If the script returns successfully, the file `helpdesk_export.xml` will be created at the store's root with all your data. Transfer it to the root of your M2 store;
5. Place `mirasvit_helpdesk_m2_import.php` at the root of your M2 store, and run it either:
  - From browser by opening URL `http://store_m1.com/mirasvit_helpdesk_m2_import.php`, or
  - From SSH/Console: navigate to your store's root and run the command `php -f mirasvit_helpdesk_m2_import.php`
6. Check the migrated data.
7. When the migration is completed, **remove both migration scripts**.

## Migration from Freshdesk to Mirasvit Helpdesk Magento 2

1. Place the `import_tickets.json` file to the root folder of your store.
2. Read comments at the beginning of the script and do the required changes for your store.
3. Place `mirasvit_helpdesk_m2_import.php` to the root of your M2 store, and run it either:
  - From browser by opening URL `http://store_m1.com/freshdesk_migration.php`, or
  - From SSH/Console: navigate to your store's root and run the command `php -f freshdesk_migration.php`
4. Check the migrated data.
5. When the migration is completed, **remove both migration scripts**.

## Troubleshooting

In some cases, imported scripts can crash at the stage of a timeout or memory overloading errors (due to a large quantity of data). In this case, all you have to do is restart the import script by reloading the browser page. It will skip the previously uploaded data and proceed to the last unprocessed record.

# How to upgrade the extension

To upgrade the extension, follow the next steps:

1. Back up your store's database and web directory.
2. Log in to your server's SSH console and navigate to the root directory of the Magento 2 store.
3. Run the command `composer require mirasvit/module-helpdesk:* --update-with-dependencies` to update the current extension with all dependencies.

## Note

If you have the Hyva theme, run:

```
composer require mirasvit/module-helpdesk:* hyva-themes/magento2
```

## Note

In some cases, the above command is not applicable, or you cannot update just the current module, and need to upgrade all the Mirasvit modules in a bundle. In this case, the above command will have no effect.

Instead, run the command `composer update mirasvit/*`. It will update all the Mirasvit modules installed in your store.

4. Run the command `php -f bin/magento setup:upgrade` to install the updates.
5. Run the command `php -f bin/magento cache:clean` to clean the cache.
6. Deploy the static view files

```
rm -rf pub/static/*; rm -rf var/view_preprocessed/*; php -f bin/magento setup:static-content:deploy
```

# Disabling the Extension

## Temporarily Disable

To temporarily disable the extension, please take the following steps:

1. Log in to the SSH console on your server and navigate to the Magento 2 store's root directory.
2. Run the command `php -f bin/magento module:disable Mirasvit_Helpdesk` to disable the extension.

## Note

If you have the Hyva theme, run:

```
php -f bin/magento module:disable -f Mirasvit_Helpdesk Hyva_Mira
```

3. Log in to the Magento backend and refresh the store cache (if enabled).

## Extension Removal

To uninstall the extension, please follow these steps:

1. Log in to the SSH console on your server and navigate to the Magento 2 store's root directory.
2. Run the command `composer remove mirasvit/module-helpdesk` to remove the extension.

### Note

If you have the Hyva theme, run:

```
composer remove mirasvit/module-helpdesk hyva-themes/magento2-mira
```

3. Log in to the Magento backend and refresh the store cache (if enabled).

## 1.2.38

(2024-07-26)

### Fixed

- reCaptcha does not work in Hyva
- 

## 1.2.37

(2024-07-23)

### Improvements

- Added indexes to the helpdesk report tables
- Added "Order" column to the ticket grid in the admin panel
- Added cronjob & console command to remove old desktop notifications

### Fixed

- Removed legacy DOMSubtreeModified event type
  - Fallback to JQueryUI Compat activated. Your store is missing a dependency for a JQueryUI widget
  - Desktop Notifications about new ticket arrival sent messages about new message arrival
- 

## 1.2.36

(2024-06-20)

### Fixed

- Argument #1 (\$array) must be of type array, string given in TicketDistributionDataBlock
- 

## 1.2.35

(2024-06-13)

### Fixed

- Admin ticket grid search performance
- 

## 1.2.34

(2024-05-30)

### Fixed

- Offline chat messages does not converted to tickets
- 

## 1.2.33

(2024-05-24)

### Improvements

- Helpdesk widget GoogleRecaptcha compatibility

### Fixed

- Prevent undelivered message autoresponce loop
  - Dots were not allowed in the contact us form
  - Google ReCaptcha did not validate contact forms
- 

## 1.2.32

(2024-02-12)

### Fixed

- Interface "Zend\Stdlib\JsonSerializable" not found
-

## 1.2.30

(2023-12-13)

### Fixed

- Show Helpdesk Gateway error message on each page load in the backend & Added message "Authentication failed" for the Gateways
- 

## 1.2.29

(2023-12-12)

### Fixed

- Emails redirected to the Gateway from Outlook are not fetched
- 

### Improvements

- Added "Remote Ip" column to the Satisfaction grid in the admin panel
  -
- 

## 1.2.28

(2023-12-04)

### Fixed

- Failed to parse time string in Activity.php
- 

## 1.2.27

(2023-12-01)

### Fixed

- Activity Data Bar displaying is bound to the timezone
  - Exclude users not assigned to the Helpdesk Departments from Activity Data Bar
- 

## 1.2.26

(2023-11-23)

### Fixed

- Prevent infinity cycles for the Auto-Submitted emails
- 

## 1.2.25

(2023-11-06)

### Fixed

- Don't show [user\_name] in email confirmation of newly created ticket
- 

## 1.2.24

(2023-11-01)

### Fixed

- Creation of dynamic property Mirasvit\_Ddeboer\_Imap\_Message\_Attachment::\$description is deprecated
- Guest orders was not assigned to the ticket if the customer is registered in the store

### Improvements

- Added User Activity bar to the ticket grid in the admin panel
- 

## 1.2.23

(2023-09-26)

### Fixed

- Helpdesk wrapper notification count rewrite magento wrapper notification counter
- 

## 1.2.22

(2023-08-28)

### Improvements

- Added option to auto-remove old ticket attachments

### Fixed

- Incorrect use of label for=FORM\_ELEMENT in contact form
- Wrong third-party email is set to the message if the last fetched "third party" email differs from the penultimate
- Incorrectly parced links if first level domain contains more than three symbols

---

## 1.2.21

(2023-06-29)

### Improvements

- Parse URLs in ticket message posts to avoid adding excessive symbols like dot/comma/etc to the end of the urls and broke the url
- Compatibility with Magento246 SMTP
- Added script to migrate tickets data from Freshdesk

### Fixed

- Deprecated Functionality: `stripes()`: Passing null to parameter #1 in `module-price-permissions` when create rule
- 

## 1.2.20

(2023-05-19)

### Improvements

- Show first and last ticket messages in preview in the admin ticket grid

### Fixed

- Rule notification sent email to Cc when customer should not be notified
- 

## 1.2.19

(2023-04-20)

### Fixed

- Added third-party email to display for third-party message on the ticket view page in admin
  - Store-view Status & Priority names in email notification
  - Third party email is not saved if the customer replies not from the email he was emailed to
  - Deprecated functionality: `htmlspecialchars()` passing null to parameter #1 in `Helper/StringUtil.php`
  - Save empty value in admin config multiselect fields
- 

## 1.2.18

(2023-02-21)

### Fixed



- Remove non-char symbols from the end of the urls in email messages
  - Deprecated functionality passing null to parameter in `geop_time_zone_by_country_and_region` `Timezone.php`
  - Column in where clause is ambiguous when filter by department or priority in admin ticket grid
  - Empty Satisfaction email notification
- 

## 1.2.17

(2023-02-10)

### Fixed

- Rates and history blocks are not added to notification email template
- 

## 1.2.16

(2023-02-08)

### Fixed

- Warning: Attempt to read property "Mailbox" on bool
  - Store-view Department name in email notification
  - Attachment is not fetched due to specialchars in attribute name
- 

## 1.2.15

(2023-02-01)

### Fixed

- Removed auto-reply header from error headers to avoid ignoring emails fetching, due to outlook & Gmail adding it to the regular emails
- Added Microsoft Ips to block auto satisfaction rates

### Improvements

- Compatibility with M2.4.6
- 

## 1.2.14

(2023-01-23)

### Fixed

- Deprecated Functionality: `explode()`: Passing null to parameter

- Deprecated functionality passing null to parameter in `geoup_time_zone_by_country_and_region` `Timezone.php`
  - Failed to parse time string when save working hours for EU locales, for `active_from`, `active_to` fields
  - Shorter name for 'Add Ticket to the Order' button on the admin order view page
  - Shorter button name for the customer edit admin page
  - Call to a member function `getAddress()` on array `Helpdesk/Helper/Fetch.php`
  - Added new option "sender template"
- 

## 1.2.13

(2022-11-21)

### Fixed

- Notice: Undefined index: `created_at` in the ticket grid for nonexistent messages
  - Parse attachment
  - `record.isQuickView` is not a function in the ticket grid in admin
  - Quick Responses did not work in wysiwyg in m2.4.5
- 

## 1.2.12

(2022-10-28)

### Fixed

- As of Magento 2.4.4 `info` & `critical` methods are added instead of `addInfo` & `addCritical`
  - Fatal "Allowed memory size" for quick-view message in the tickets grid in the admin
  - Allowed memory limit when delete ticket with thousands of messages
- 

## 1.2.10

(2022-10-06)

### Fixed

- Cc & Bcc email addresses weren't validated if added more than one address
  - Deprecated Functionality: `IntlDateFormatter::parse()`: Passing null to parameter #1
- 

## 1.2.9

(2022-09-12)

### Fixed

- Email validation
- `strpos()` Passing null to parameter #1

---

## 1.2.8

(2022-08-23)

### Fixed

- Quickbar filters now show only Inbox tickets
  - Status and priority are set from Workflow Rules if set in the ticket manually in the admin
  - If there is a great number of the non-archived tickets admin panel returns error 500 due to the toolbar collection limit
- 

## 1.2.7

(2022-08-10)

### Fixed

- Notification icon shows for users without permissions.
  - Compatibility with Magento 2.4.5
- 

## 1.2.6

(2022-08-02)

### Fixed

- php8 compatibility quick response
- 

## 1.2.5

(2022-08-01)

### Fixed

- php8 compatibility quick response
- 

## 1.2.4

(2022-07-24)

### Fixed

- php8 compatibility issues
- Department, Priority, Status names are not added in the email notification

## Improvements

- Added option to enable/disable quickDataBar
- 

## 1.2.3

(2022-07-21)

### Fixed

- Required checkbox is not validated for the new tickets
  - Segoe UI Emoji are fetched as questionmarks
  - Passing null to parameter #2 () when access Gateway Debug
- 

## 1.2.2

(2022-07-04)

### Improvements

- Added quickbar

### Fixed

- Forwarded email messages fetched empty
- 

## 1.2.1

(2022-06-20)

### Improvements

- Remove db\_schema\_whitelist.json
  - Added option 'Add customers Cc emails to the ticket'
  - Added headers
- 

## 1.2.0

(2022-05-24)

### Improvements

- Migrate to declarative schema
  - Added email variables in the user signature
-

## 1.1.158

(2022-05-17)

### Improvements

- update mirasvit/module-report dependency
- 

## 1.1.157

(2022-04-18)

### Improvements

- PHP8 compatibility

### Fixed

- Helpdesk user signature unset when user logged in the backend
- 

## 1.1.156

(2022-02-07)

### Improvements

- Integration with Magento 2 Custom Form Builder

### Fixed

- Workflow rule event 'new reply from staff' doesn't work for internal messages to third party
  - Schedule status block is loaded when it disabled from admin
- 

## 1.1.155

(2022-01-19)

### Improvements

- Added option to set statuses which lock ticket

### Fixed

- Empty spam tickets created from the feedback tab

---

# 1.1.154

(2021-11-23)

## Fixed

- Unable to add bmp & xlsx attachment to the tickets
  - Added button 'Create New Ticket' to the ticket admin form
- 

# 1.1.153

(2021-07-27)

## Fixed

- Duplicate entry ON DUPLICATE KEY UPDATE in report
- 

# 1.1.151

(2021-07-19)

## Fixed

- Unable to add csv attachment to the tickets
  - Integrity constraint violation in reports
  - Message parser
- 

# 1.1.149

(2021-05-31)

## Fixed

- Hours not displayed according to server locale in reports
  - Helpdesk does not ignore auto response emails
  - Made customer Email insensitive in customer\_summary in the admin view ticket
  - Emoji and inline images parsing
- 

# 1.1.148

(2021-03-01)

## Fixed

- Sender name in department is required field
- Priority is not displayed in the ticket summary on the frontend->ticket view
- Added option Settings->Customer Satisfaction Survey->Show survey results in the frontend ticket history
- Added Max file size for uploading to the ticket create form and to the Contact Us page
- Changed filter for dates in the ticket grid according to the locale format
- Search of the customer by name(instead of the email) in the new ticket make the ticket unassigned to customer

## Improvements

- Added customer name to the tickets with Guest orders
- 

# 1.1.147

(2021-01-26)

## Fixed

- Cannot add or update a child row priority\_id when customer adds a message or if message is fetched from email if priority is deleted
- 

# 1.1.146

(2021-01-21)

## Fixed

- Issue when values in the workflow rules condition overwrite on save
  - Internal notes are sent to Cc if the admin adds an internal message to the ticket that is assigned to another admin
- 

# 1.1.145

(2021-01-15)

## Fixed

- Conditions are not saved in Workflow Rules if they contain selection from the Custom field dropdown
  - Broken headers in the emails and backslashes appearing due to unresolved symbols
  - Added Arabian translation file
- 

# 1.1.144

(2020-12-15)

## Fixed

- Error "Uncaught Error: Call to a member function getName() on null in Helpdesk/Helper/History.php"
  - Satisfaction rate rounding
  - Saving of the FollowUp email addresses
- 

## 1.1.142

(2020-12-07)

## Fixed

- Cron error (mailAddress) is not a valid hostname for the email address for the FollowUp addresses with added spaces
  - Workflow rules don't work when customer replies(VariableObject->getData on boolean)
  - Added full version of polish translation
- 

## 1.1.141

(2020-11-11)

## Fixed

- Recaptcha m2.4.1
  - Call to a member function isThirdPartyPublic() on boolean
  - Migrating custom email templates
- 

## 1.1.140

(2020-10-30)

## Fixed

- Third party email added as Public after the previous public email reply

## Improvements

- Added support of composer 2.0
- 

## 1.1.139

(2020-10-20)

## Fixed



- Parsing ebay members emails
  - Selection of customer's orders on the frontend
  - Column 'created\_at' & 'user\_id' in where clause is ambiguous Satisfaction grid filters
  - Satisfaction rate IDs Bad and Great are mixed up in the reports and displayed vise versa
  - Unstable quick response text appearing when option 'Use WYSIWYG Editor in backend' is active
- 

## 1.1.138

(2020-09-30)

### Fixed

- Styles for backend MaxFileSize
  - Misspellings
- 

## 1.1.137

(2020-09-09)

### Improvements

- Added ability to rate ticket messages on the ticket view page

### Fixed

- Added maximum allowed size attachment for ticket edit form
  - Validation of the custom fields required for admin
- 

## 1.1.136

(2020-09-03)

### Improvements

- Added Quick Response suggestions
- 

## 1.1.135

(2020-09-02)

### Fixed

- Fixed Fatal error: Allowed memory size for the next/Previous buttons collection loading
- Replace See all tickets link to the top of the tickets list in dropdown
- Fixed the password is lost while saving gateway
- Email notification is sent to Cc with internal message to third party

---

## 1.1.134

(2020-08-13)

### Fixed

- JS error when js template variables used in the text

### Improvements

- Added filter for Last Replier field in the backend ticket grid
- 

## 1.1.133

(2020-07-29)

### Improvements

- Support of Magento 2.4
- 

## 1.1.132

(2020-07-23)

### Fixed

- Search filtered mass action issue
  - User name displaying in customer account with option Sign staff replies Using Department Names
- 

## 1.1.131

(2020-07-06)

### Fixed

- Assign ticket to guest order
  - Autofill of customer and email in contact us widget
  - Definition of the last message for the internal note
  - Timezone conversion for the field "Execute At" of "Follow Up"
  - Sending of internal message for the 3rd party email
  - Issue when field "Execute At" of "Follow Up" updated on ticket save
  - Using regular expressions in the spam patterns
- 

## 1.1.130

(2020-05-27)

## Fixed

- Insert quick response content at the current caret position in WYSIWYG
- 

### 1.1.129

(2020-05-15)

## Fixed

- Display of signature with styles
  - Logging of follow up changes
  - Follow up email sending
- 

### 1.1.128

(2020-05-14)

## Fixed

- Added index to the message\_id field in the attachment table
  - Error "DateInterval::\_\_construct(): Unknown or bad format (PD)" in working hours
  - Added permission denied exception for the user who is not assigned to any department
  - Issue when administrator user is removed from department during user update data
  - ReCaptcha for Helpdesk widget
  - Styles for Thunderbird Mail
  - Definition of the last message for variable `{{ var ticket.getLastMessageHtmlText()|raw }}`
- 

### 1.1.127

(2020-04-15)

## Fixed

- Error "You cannot proceed with such operation, your reCaptcha reputation is too low." on satisfaction page
  - Parsing of inline attachments
  - Field description in the Feedback tab
- 

### 1.1.126

(2020-03-27)

## Fixed

- Display of message about success ticket creation in Contact Us form
- Tickets assigning to the current user during the ticket creation
- Issue "Help Desk MX popup not closing when background is clicked"

---

## 1.1.125

(2020-03-19)

### Fixed

- Styles for tickets grid in customer account
- Remove emoji parsing for "quoted-printable" emails.

### Improvement

- Added field to create customer note
  - Moved user signature from email to message
- 

## 1.1.123

(2020-03-10)

### Fixed

- Error "Type Error occurred when creating object: MSP\ReCaptcha\Model\Provider\Failure\ObserverRedirectFailure"
- 

## 1.1.122

(2020-02-26)

### Fixed

- Display of custom field when option "Show in create ticket form" disabled
- 

## 1.1.119

(2020-02-25)

### Fixed

- Validation messages on contact us page
- Parsing of attachments (affects from 1.1.118)

### Improvement

- Allowed to use string names of date formats in the email variables `{{var ticket.getCreatedAtFormatted($format)}}` and `{{var ticket.getUpdatedAtFormatted($format)}}`
-

## 1.1.118

(2020-02-18)

### Fixed

- Parsing of emails with emoji (remove emoji)
- Error "PHP Fatal error: Uncaught Error: Call to a member function getFieldByCode() on null Mirasvit/Helpdesk/Controller/Adminhtml/Field/Save.php"

### Improvement

- Added console commands:
    - mirasvit:helpdesk:is-locked - Show is helpdesk job locked
    - mirasvit:helpdesk:unlock - Force to unlock helpdesk job
- <https://3.basecamp.com/4292992/buckets/14246559/todos/2353803811>
- 

## 1.1.117

(2020-02-11)

### Fixed

- Display of helpdesk feedback tab on product page for m2.3.4
  - Error "PHP Fatal error: Uncaught Error: Call to a member function getSenderNameOrEmail() on null in Helpdesk/Helper/History.php"
  - Translation of email subject
  - Field "Reply To" contains wrong data
  - Draft errors on the backend ticket edit page
- 

## 1.1.115

(2020-01-17)

### Fixed

- Wrong order assigning to the ticket (from email subject)
  - Sending emails to bcc and cc in m2.3.3
  - Regular expression for parse order ID from email subject
- 

## 1.1.113

(2019-12-24)

### Fixed

- Sending of emails for customers with non-ASCII chars in the Department name

- Compatibility with the Knowledge Base extension (since version 1.1.112)
- 

## 1.1.112

(2019-12-13)

### Fixed

- Issue "Unable to assign order to guest customer"
  - Change logging of ticket history
- 

## 1.1.111

(2019-12-05)

### Fixed

- Label for the ticket tab "Other Tickets" for m2.3.3
- Multi emails in "Send survey results to emails" for m2.3.3
- Dates for tickets and messages in migration process

### Improvement

- Added option "Enable Google reCaptcha" and captcha to popup form
  - Show customer local time
- 

## 1.1.110

(2019-11-28)

### Fixed

- Sending of workflow rules' emails for m2.3.3
  - Sending of emails for customers with non-ASCII chars in the name
  - Duplication of attachments for multi emails sending
  - Report by user
  - Error message for incorrect pattern
- 

## 1.1.109

(2019-11-19)

### Fixed

- Issue with parsing of attachments (since 1.1.108)

## **Improvement**

- Allow rule events for tickets from archive
- 

## **1.1.108**

*(2019-11-11)*

### **Fixed**

- Attachment sending in 2.3.3
  - Remove email's line breaks from text part of the email
  - Saving history for ticket mass-actions
- 

## **1.1.107**

*(2019-11-07)*

### **Fixed**

- Error "Call to a member function getDepartmentIds() on null in Helpdesk/Model/ResourceModel/DesktopNotification/Collection.php"
- 

## **1.1.106**

*(2019-10-22)*

### **Fixed**

- Order loading message on ticket pages
- 

## **1.1.105**

*(2019-10-17)*

### **Improvement**

- Improve the way of orders loading on ticket pages
- 

## **1.1.103**

*(2019-10-11)*

### **Fixed**

- minor fixes
- 

## 1.1.102

*(2019-10-01)*

### Fixed

- Compatibility with Magento 2.3.2-p1
- 

## 1.1.101

*(2019-09-06)*

### Fixed

- Minor changes
- 

## 1.1.100

*(2019-09-06)*

### Fixed

- Warning: file\_get\_contents No such file or directory

### Improvement

- Added translation
- Added exception for deleted FS files

### Features

- Attachments can be disabled
- 

## 1.1.99

*(2019-08-23)*

### Improvement

- added spam filters for contact us form
- 

## 1.1.98



(2019-08-13)

## Fixed

- Parsing of internal 3rd party messages
  - Error "Unknown column 'main\_table.id' in 'where clause' ..." in tickets grid on backend customer edit page
- 

## 1.1.97

(2019-08-12)

## Fixed

- Search results for storeviews in feedback tab
- 

## 1.1.96

(2019-07-31)

## Fixed

- Parsing of internal 3rd party messages
  - Redirect on backend main page during message saving
  - Paging for search results in backend tickets grid
  - PHP Fatal error: Uncaught Error: Call to a member function isThirdPartyPublic() on boolean in Mirasvit/Helpdesk/Helper/Process.php
  - Mobile styles for Helpdesk popup
- 

## 1.1.95

(2019-07-15)

## Fixed

- Display of errors in backend
  - Issue when source link of the page does not submitted
- 

## 1.1.94

(2019-07-10)

## Fixed

- Address grid does not show in backend on customer edit page
- Allowing autofill the third party email input

- Issue when quick response does not insert in WYSIWYG Editor
  - Display of errors in backend
  - Parsing of internal 3rd party messages
- 

## 1.1.93

(2019-06-12)

### Fixed

- Compatibility with MSP\_ReCaptcha
- 

## 1.1.92

(2019-06-05)

### Fixed

- Encryption for gateways passwords
- 

## 1.1.91

(2019-06-04)

### Fixed

- Translation in emails
  - Encoding in attachments
- 

## 1.1.89

(2019-05-14)

### Fixed

- Display of two calendars for custom field of "date" type
  - Issue when Feedback form overrides with cache
- 

## 1.1.88

(2019-05-13)

### Fixed

- ... Call to undefined method Mirasvit\_Ddeboer\_Imap\_Message::getIsProcessed() in ... (v1.1.87 only)

---

## 1.1.87

(2019-05-06)

### Fixed

- Sender name for m2.3.0
  - Sending attachment error for m2.2.8
  - Save unparsed emails
- 

## 1.1.86

(2019-04-19)

### Fixed

- compatibility with Ebizmarts\_Mandrill for m2.3.1
  - Warning: Division by zero in ... /Helpdesk/Block/Widget/Satisfaction.php
- 

## 1.1.84

(2019-03-15)

### Fixed

- Migration scripts

### Improvement

- Added
- 

## 1.1.83

(2019-03-07)

### Fixed

- Helpdesk email sender
- 

## 1.1.82

(2019-02-28)

### Fixed

- Error when email has unsupported date format
  - Empty "Auto-assign tickets to department" field raises error
  - Error "The store that was requested wasn't found."
  - Error "draftTicketId is not defined"
  - Incorrect displaying of ticket history tags in email
- 

## 1.1.81

(2019-01-28)

### Fixed

- js error Script error for: wysiwygAdapter. Only m<2.3, versions 1.1.79, 1.1.80 ([#268]())
- 

## 1.1.80

(2019-01-24)

### Fixed

- Notice: Undefined variable: fromEmail (v1.1.79 only)
- 

## 1.1.79

(2019-01-23)

### Fixed

- Issue with emogrifier
  - Wysiwyg didn't work in M2.3
  - Show correct email sender name in messages
- 

## 1.1.78

(2019-01-09)

### Fixed

- Added dependency for pelago/emogrefier. Fixed: Uncaught Error: Call to a member function appendChild() on null in..

## 1.1.77

(2018-11-30)

### Fixed

- Error "Helpdesk email permission denied ..."
- 

## 1.1.76

(2018-11-29)

### Fixed

- Compatibility with Magento 2.3.0
  - Error "error: error in [unknown object].fireEvent(): eventname: tinymceBeforeSetContent error message: content.gsub is not a function"
- 

## 1.1.74

(2018-11-19)

### Improvement

- Now unparseable tickets will log to file var/log/mirasvit/helpdesk\_fatal.log
- 

## 1.1.73

(2018-11-16)

### Fixed

- Links in message contain unnecessary &nbsp; char
  - Error "Notice: Undefined offset: 21 in Helpdesk/Helper/Field.php"
- 

## 1.1.71

(2018-11-15)

### Fixed

- Links in message contain unnecessary &nbsp; char

### Features

- Added option that allows to log ticket deletion
- 

## 1.1.70

(2018-11-01)

## Fixed

- Remove Illegal chars from email messages
  - Files with extension in uppercase are not allowed
  - Custom fields do not filter by store
- 

## 1.1.69

(2018-09-28)

### Features

- Quick View
- 

## 1.1.68

(2018-09-26)

### Fixed

- Hide inactive users from department list
  - Undefined property: stdClass::\$host in ...
  - Compatibility with php5
- 

## 1.1.67

(2018-09-07)

### Improvements

- Added variable to emails that allows to display labels of "Drop-down list" fields
  - Added option "Force store's theme to apply styles"
- 

## 1.1.66

(2018-08-23)

### Fixed

- Error: Script error for: calendar
- 

## 1.1.65

(2018-08-21)

## **Fixed**

- Contact form submit several times
- 

## **1.1.64**

*(2018-08-16)*

## **Fixed**

- Compilation error
  - Contact form submit several times
- 

## **1.1.63**

*(2018-07-13)*

## **Fixed**

- Permissions do not applies to admin ticket grid
- 

## **1.1.62**

*(2018-07-13)*

## **Fixed**

- Permissions do not applies to admin ticket grid
  - Issue when customer is logged out on Magento EE after customer updates information from frontend
  - Assignee massaction operation
- 

## **1.1.61**

*(2018-07-04)*

## **Fixed**

- Notice: iconv(): Detected an illegal character in input string
  - Centering of search results
  - Issue when removed department still uses in settings
- 

## **1.1.60**

*(2018-05-22)*

## **Fixed**

- Translation
  - Duplicated styles
- 

## **1.1.59**

*(2018-05-08)*

### **Fixed**

- Compatibility with Swissup\_AddressFieldManager

### **Improvements**

- Added ability to assign order to guest's ticket
  - Added ability to set custom text on "Contact Us" page and "Feedback" tab
  - Styles for close button. Fixed "Exclude file" option
- 

## **1.1.58**

*(2018-04-13)*

### **Fixed**

- Compatibility with Swissup\_AddressFieldManager
- 

## **1.1.57**

*(2018-04-03)*

### **Fixed**

- Issue when user can create several custom fields with the same code
- Excluded ticket view page from cache
- Issue when user can create several custom fields with the same code

### **Improvements**

- Added 'Third party' condition to 'Last Reply Type' condition
- 

## **1.1.56**

*(2018-03-28)*

### **Fixed**



- Displaying of custom fields
- 

## 1.1.55

(2018-03-26)

### Fixed

- Displaying of Contact Us popup form when KB is enabled
  - Knowledge Base autocomplete submit contact form
  - Issue when user assign department to ticket it reset to current user's department
- 

## 1.1.54

(2018-03-16)

### Security

- Solved possible XSS issue in some cases

## 1.1.53

(2018-03-13)

### Fixed

- Possible error during installation "SQLSTATE[42S22]: Column not found: 1054 Unknown column 'mst\_helpdesk\_rule.row\_id' in 'field list', query was: SELECT MAX(row\_id)"
  - Unable to close ticket using External Link
- 

## 1.1.52

(2018-03-01)

### Fixed

- Wrong url for ticket view page for multistore
- 

## 1.1.51

(2018-02-21)

### Fixed

- In some cases there is an error during emails fetch Notice: Undefined property: stdClass::\$host in ... Imap/Message/Headers.php
- Global ticket search does not work with extended symbols

## Improvements

- Added ability to hide Help Desk link in customer menu
- 

## 1.1.50

(2018-02-14)

## Improvements

- Added ability to merge tickets

## Fixed

- On Contact Us page with Smartwave Porto theme contact us form displays incorrectly
  - Translation for Working Hours
  - Fixed issue with redirect to /helpdesk/ticket/getopen/ in some customized cases
  - After migration from Magento 2.0, 2.1 to 2.2+ there is an error in workflow rules 'Unable to unserialize value.'
  - Fixed issue with plain text in history messages
- 

## 1.1.49

(2018-01-31)

## Fixed

- Tickets created via Gateways are using the wrong storeview while sending notification about the new ticket creation
- When cache is enabled feedback tab requires Name and Email for logged in customers
- When customer has turned on autoresponse, emails are going in sending loop
- If ticket's Cc or Bcc fields contain gateway emails emails are going in sending loop
- Order statuses are not translatable on the Create Ticket page

## Improvements

- Added period filter to reports
  - New message event for Issue Watcher & Notification module
- 

## Fixed

- Tickets created via Gateways are using the wrong storeview while sending notification about the new ticket creation

- When cache is enable feedback tab requires Name an Email for logged in customers
- When customer has an autoresponse on emails are going in sending loop
- If ticket's Cc or Bcc fields contain gateway emails emails are going in sending loop
- Order statuses not translating on ticket create page

## Improvements

- Added period filter to reports

## 1.1.48

*(2018-01-02)*

### Fixed

- In Magento 2.2.2, if extension is installed via files upload, helpdesk can't fetch emails and there is error  
PHP Fatal error: Uncaught Error: Class 'Mirasvit\_Ddeboer\_Imap\_Server' not found

## 1.1.46

*(2017-10-25)*

### Fixed

- Amount of customer open tickets
- 

## 1.1.45

*(2017-10-24)*

### Fixed

- User signature
  - Ticket creation for multistore
- 

## 1.1.44

*(2017-10-02)*

### Fixed

- Small bugs
- 

## 1.1.43

*(2017-09-27)*

## **Improvements**

- Improved Tickets Grid
- Added Mass Action to allow Mass Change of Ticket Assignee
- Added to Workflow Rules conditions Last Reply Message Type, Customer Email and Customer Name

## **Fixed**

- Resolved incorrect email fetch issue
  - Compatibility with Magento 2.2.0
- 

## **1.1.41**

*(2017-09-18)*

## **Improvements**

- Added "Change Status" to massactions in backend in ticket grid

## **Fixed**

- Solved XSS issue
- 

## **1.1.40**

*(2017-09-14)*

## **Fixed**

- Updating amount of ticket in customer menu
- 

## **1.1.39**

*(2017-09-05)*

## **Improvements**

- Added new condition "Ticket Source (Channel)" to Workflow Rules

## **Fixed**

- Compatibility with Magento 2.2.0rc
- 

## **1.1.37**

(2017-08-30)

## **Improvements**

- Added ability to block files by extension
- 

## **1.1.36**

(2017-08-29)

## **Fixed**

- Variables for email templates
- 

## **1.1.35**

(2017-08-08)

## **Improvements**

- Documentation
  - UI in backend
- 

## **1.1.34**

(2017-07-05)

## **Fixed**

- Notification when another admin user is viewing a ticket

## **Improvements**

- Added event "Ticket was converted to RMA"
- 

## **1.1.33**

(2017-04-25)

## **Fixed**

- Satisfaction rate urls
  - Compatibility of UI components for Magento 2.0.x
-

## 1.1.31

(2017-03-30)

### Fixed

- Compatibility with dashboard widgets
- Ability to delete reserved statuses

### Features

- Integration with RMA
- 

## 1.1.30

(2017-03-10)

### Fixed

- Compatibility with Firefox browser
- 

## 1.1.29

(2017-03-07)

### Features

- Created migration scripts from HDMX M1 to HDMX M2

### Fixed

- Added magento encryptor for gateways passwords
- 

## 1.1.28

(2017-02-24)

### Fixed

- Reports issue
- 

## 1.1.27

(2017-02-20)

## **Improvements**

- Added tickets tab to admin customer account page

## **Fixed**

- Wrong url for attaches stored in DB
- 

## **1.1.26**

*(2017-02-08)*

## **Fixed**

- Contact form widget
- 

## **1.1.25**

*(2017-02-06)*

- Add Knowledge base integration to the contact form

## **1.1.24**

*(2017-02-03)*

## **Improvements**

- Integration with Knowledge base
  - Reports
- 

## **1.1.23**

*(2017-01-31)*

## **Improvements**

- Added previous/next button to ticket edit form

## **Fixed**

- Option "Show the Help Desk section in the Customer Account"
- 

## **1.1.22**

*(2017-01-30)*

## **Improvements**

- Added ability to assign ticket to order
  - Added tickets autosave period
- 

## **1.1.21**

*(2017-01-23)*

### **Fixed**

- Admin ticket grid (affects only 1.1.20)
- 

## **1.1.20**

*(2017-01-17)*

### **Fixed**

- Filters in admin ticket grid
- 

## **1.1.19**

*(2017-01-13)*

## **Improvements**

- Added mass actions for ticket's grid to move tickets to archive or spam
  - Added "Use WYSIWYG Editor" option
- 

## **1.1.18**

*(2017-01-11)*

### **Fixed**

- Fixed an issue with sorting in the tickets grid in backend
- 

## **1.1.17**

*(2017-01-10)*



## **Fixed**

- Subject is not displayed in the tickets grid (affects only 1.1.16)

## **1.1.16**

*(2016-12-22)*

## **Improvements**

- Added email's send date to ticket
- 

## **1.1.15**

*(2016-12-08)*

## **Fixed**

- Issue when email fetch fail due to imap errors
- 

## **1.1.14**

*(2016-11-29)*

## **Fixed**

- Debug messages for cron
- 

## **1.1.12**

*(2016-10-31)*

## **Fixed**

- Issue with Magento bug
- Fixed layout issue (store credit conflict)

## **Improvements**

- Added translation files
- 

## **1.1.11**

*(2016-09-07)*

## **Fixed**

- Fixed wrong ticket urls when option "Add Store Code to Urls" enabled
- 

## **1.1.9**

*(2016-06-29)*

### **Improvements**

- Support Magento 2.1.0

## **Fixed**

- Fixed translation generation
- 

## **1.1.8**

*(2016-06-24)*

### **Improvements**

- Support Magento 2.1.0
- 

## **1.1.7**

*(2016-06-22)*

## **Fixed**

- Issue with contact form widget
- 

## **1.1.6**

*(2016-06-10)*

## **Fixed**

- Issue with customer satisfaction block in emails
  - Exception "Missed phrase" on run i18n:collect-phrases
- 

## **1.1.5**

*(2016-05-27)*

## **Improvements**

- Added store column to admin grids
  - Increased default notification check period
  - Improved ticket answers' parser
- 

### **1.1.4**

*(2016-04-30)*

## **Improvements**

- Ticket Notifications: added ability to change the check period

## **Fixed**

- Fixed cache issue on the contacts page
- 

### **1.1.3**

*(2016-04-26)*

## **Improvements**

- Working schedule. Improved backend styles
- 

### **1.1.2**

*(2016-04-21)*

## **Features**

- Added working status block in the Customer account > My Tickets
- Working schedule. Added additional columns to backend grid

## **Fixed**

- Working schedule status: incorrect time estimation in some cases

## **Improvements**

- Improved working schedule status rounding hours
- 

### **1.1.1**

*(2016-04-20)*

## Improvements

- Improved css
- Added showing of schedule closed days
- Made schedule titles configurable
- Vertical position of popup

## Fixed

- Fixed timezones issue
- 

## 1.1.0

*(2016-04-11)*

## New Features

- Ability to setup working schedule

## Improvements

- Improved styles for "Contact Us" form
- Compatibility with 3rd party module Magecomp Recaptcha
- Add validation of patterns before save in backend
- Links in emails
- Improve JQuery load for feedback tab
- Improved styles for Contact Us form
- Improved styles for "Contact Us" form
- Compatibility with 3rd party module Magecomp Recaptcha
- Compatibility with Porto theme
- Add validation of patterns before save in backend
- Links in emails
- Improve JQuery load for feedback tab
- Improved styles for Contact Us form

## Fixed

- Issue with menu
  - Fixed an issue with "Contact Us" button position
  - Styles compatibility with Porto theme
  - Incorrect sort order in some cases
  - Fixed an issue with contact button position (for some stores)
  - Fixed PHP7 compatibility issue
  - Fixed an issue with wrong relation between role tables
- 

## 1.0.13

*(2016-03-14)*

## **Improvements**

- Compatibility with Proto theme
- Add validation of patterns before save in backend

## **Fixed**

- Colors of labels in the frontend
  - Emails created by workflow rules dont use html tags correctly
  - Missing field in workflow rules
- 

# **1.0.12**

*(2016-03-07)*

## **Improvements**

- Links in emails
- Improve JQuery load for feedback tab

## **Fixed**

- Styles compatibility with Porto theme
  - Fixed PHP7 compatibility issue
  - Fixed an issue with wrong relation between role tables
- 

# **1.0.11**

*(2016-03-02)*

## **Improvements**

- Improved styles for Contact Us form

## **Fixed**

- Incorrect sort order in some cases
  - Fixed an issue with contact button position (for some stores)
- 

# **1.0.10**

*(2016-03-02)*

## **Fixed**

- Fixed PHP7 compatibility issue
-

## 1.0.9

(2016-03-01)

### Fixed

- Fixed an issue with wrong relation between role tables

### Improvements

- Improved popup position on mobile devices
- 

## 1.0.8

(2016-02-25)

### Improvements

- Add email preview preheaders
- Improve history of ticket in backend
- Ability to include attachments in mails

### Fixed

- In some cases fatal error on all pages of store
  - Fixed an issue with wrong priority at ticket view page
  - Remove attached files when we remove a ticket
- 

## 1.0.7

(2016-02-15)

### Improvements

- Improve history of ticket in backend
- Ability to include attachments in mails
- Improved emails styles and layout

### Fixed

- In some cases fatal error on all pages of store
- Fixed an issue with wrong priority at ticket view page
- Fixed an issue with login cron job errors (on fetch)
- Fixed an issue with wrong location of lib folder
- Fixed an issue with IMAP extension validation when save gateway
- Fixed an issue with workflow rules
- Fixed an issue with change Save
- Removed field is\_internal

- HDMX2-24 - field order is not required in the customer account
  - HDMX2-26 - Fixed error Invalid template file: 'page/js/calendar.phtml'
  - Fixed an issue with switching label colors on priority/status edit/grid pages
  - Fixed style issue with gateway password field
  - Adjusted css styles
-