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# CLI Command Runner

We are so glad to have your interest! This guide is here to provide some specific information to help you for a great and productive start.

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## WHY you need this extension?

Each time you need to connect with a shell to run Magento 2 CLI commands?

Well, now no need to worry because now you can run Magento 2 CLI commands directly from the browser by using this extension.

It has an inbuilt editor with auto-suggest feature, which can let you list out CLI commands without any need to remember it.

**As a developer**, now you don't need to connect shell every time to run commands like deploy static content, check module status, cache flush, run di compilation, enable/disable maintenance mode etc.

**As a client**, facing any issues while running CLI commands? Don't worry, with save an output feature you can download the output log anytime and share it with your developers to resolve it.

**Execute Magento 2 CLI commands directly from the Magento backend without shell access.**

## HOW it works?

### Add Command

Log into the Magento Admin panel and go to **System** → **Command Runner by Magediary** → **Command Manager**.

Please note that during the initial setup this grid will be empty. The values appear once the administrator adds the commands on this page.

To add the Command, click the **Add Command** button on the upper-right corner of the page.

The screenshot shows the Magento Admin panel's Command Manager interface. At the top right, there are navigation icons (Search, Notifications, User: admin) and a 'Save' button. Below this is a breadcrumb trail: '← Back', 'Save and Continue Edit', and 'Save Command'. The main form has a 'Title \*' field containing 'Deploy static view files' and a 'Command' field containing a list of commands: '1 setup:static-content:deploy -f -t Magento\luma' and '2 cache:clean'. A red callout box with the number '1' points to the 'Add Title' button. Another red callout box with the number '2' points to the 'Add list of commands' button. A third red callout box with the number '3' points to the 'Save Command' button.

**Title** is for the alias of commands list.

**Command** is the list of commands that is used to add in the console while preparing a list of commands during runtime.

- Auto-suggest is the key feature of this console editor. As soon as you start typing, the editor gives you command hint that you can use for the auto-completion.

## Post Grid Actions

Once the Commands list is saved, it will be displayed on the grid. The store administrator can perform several actions with them.

7 records found

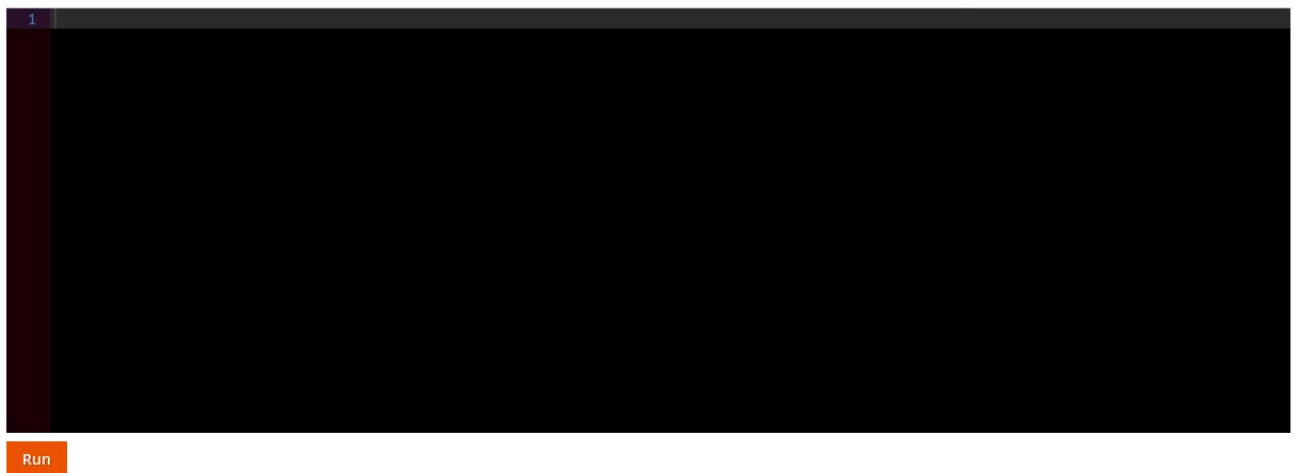
Filters Default View Columns

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Actions

<input type="checkbox"/>	ID	Title	Command	Created At	Updated At	Add to Terminal	Action
<input type="checkbox"/>	1	Check cache status	cache:status	Jul 26, 2018 1:55:19 PM	Jul 26, 2018 1:55:19 PM	+	Select <sup>▲</sup> Edit Delete
<input type="checkbox"/>	2	Disable cache	cache:status cache:disable	Jul 26, 2018 2:06:34 PM	Jul 26, 2018 2:06:34 PM	+	Select <sup>▲</sup> Edit Delete
<input type="checkbox"/>	3	Flush and enable cache	cache:flush cache:status cache:enable	Jul 26, 2018 2:07:34 PM	Jul 26, 2018 2:07:34 PM	+	Select <sup>▼</sup>
<input type="checkbox"/>	4	Deploy static view files of luma theme	setup:static-content:deploy -f-t Magento\luma cache:clean	Jul 26, 2018 2:10:23 PM	Jul 26, 2018 2:10:23 PM	+	Select <sup>▼</sup>
<input type="checkbox"/>	5	Reindex all	indexer:reindex	Jul 26, 2018 2:14:04 PM	Jul 26, 2018 2:14:04 PM	+	Select <sup>▼</sup>
<input type="checkbox"/>	6	Reindex and Cache clean	indexer:reindex cache:clean	Jul 27, 2018 12:21:21 PM	Jul 27, 2018 12:21:21 PM	+	Select <sup>▼</sup>
<input type="checkbox"/>	7	Reindex	indexer:reindex	Jul 28, 2018 3:26:23 PM	Jul 28, 2018 3:26:23 PM	+	Select <sup>▼</sup>

### Terminal



The **Edit** and **Delete** are pretty straightforward.

## Add to Terminal

To add commands to the console terminal, click on + button and it adds saved commands list of a row to the console terminal.

You can also add commands to the terminal by manually typing.

You don't need to remember any command. Just start typing, and auto-suggest feature will help you to auto-complete the command.

Actions							
<input type="checkbox"/>	ID	Title	Command	Created At	Updated At	Add to Terminal	Action
<input type="checkbox"/>	1	Check cache status	cache:status	Jul 26, 2018 1:55:19 PM	Jul 26, 2018 1:55:19 PM	+	Select ▾
<input type="checkbox"/>	2	Disable cache	cache:status cache:disable	Jul 26, 2018 2:06:34 PM	Jul 26, 2018 2:06:34 PM	+	Select ▾
<input type="checkbox"/>	3	Flush and enable cache	cache:flush cache:status cache:enable	Jul 26, 2018 2:14:04 PM	Jul 26, 2018 2:14:04 PM	+	Select ▾
<input type="checkbox"/>	4	Deploy static view files of luma theme	setup:static-content:deploy -f -t Magento\luma cache:clean	Jul 26, 2018 2:14:04 PM	Jul 26, 2018 2:14:04 PM	+	Select ▾
<input type="checkbox"/>	5	Reindex all	indexer:reindex	Jul 26, 2018 2:14:04 PM	Jul 26, 2018 2:14:04 PM	+	Select ▾

Add list of commands into the terminal by click on this + button

### Terminal

```

1 setup:static-content:deploy -f -t Magento\luma
2 cache:clean
3 indexer:reindex
4

```

Run

After add commands to the console terminal, you can run them that are described in the next section.

## Run command

Log into the Magento Admin panel and go to **System** → **Command Runner by Magediary** → **Command Manager**.

<input type="checkbox"/>	4	Deploy static view files of luma theme	cache:enable setup:static-content:deploy -f -t Magento\luma cache:clean	Jul 26, 2018 2:10:23 PM	Jul 26, 2018 2:10:23 PM	<input data-bbox="1377 447 1425 489" type="button" value="+"/>	Select ▾
<input type="checkbox"/>	5	Reindex all	indexer:reindex	Jul 26, 2018 2:14:04 PM	Jul 26, 2018 2:14:04 PM	<input data-bbox="1377 510 1425 552" type="button" value="+"/>	Select ▾

### Terminal

```

1 setup:static-content:deploy -f -t Magento\luma
2 cache:clean
3 indexer:reindex
4

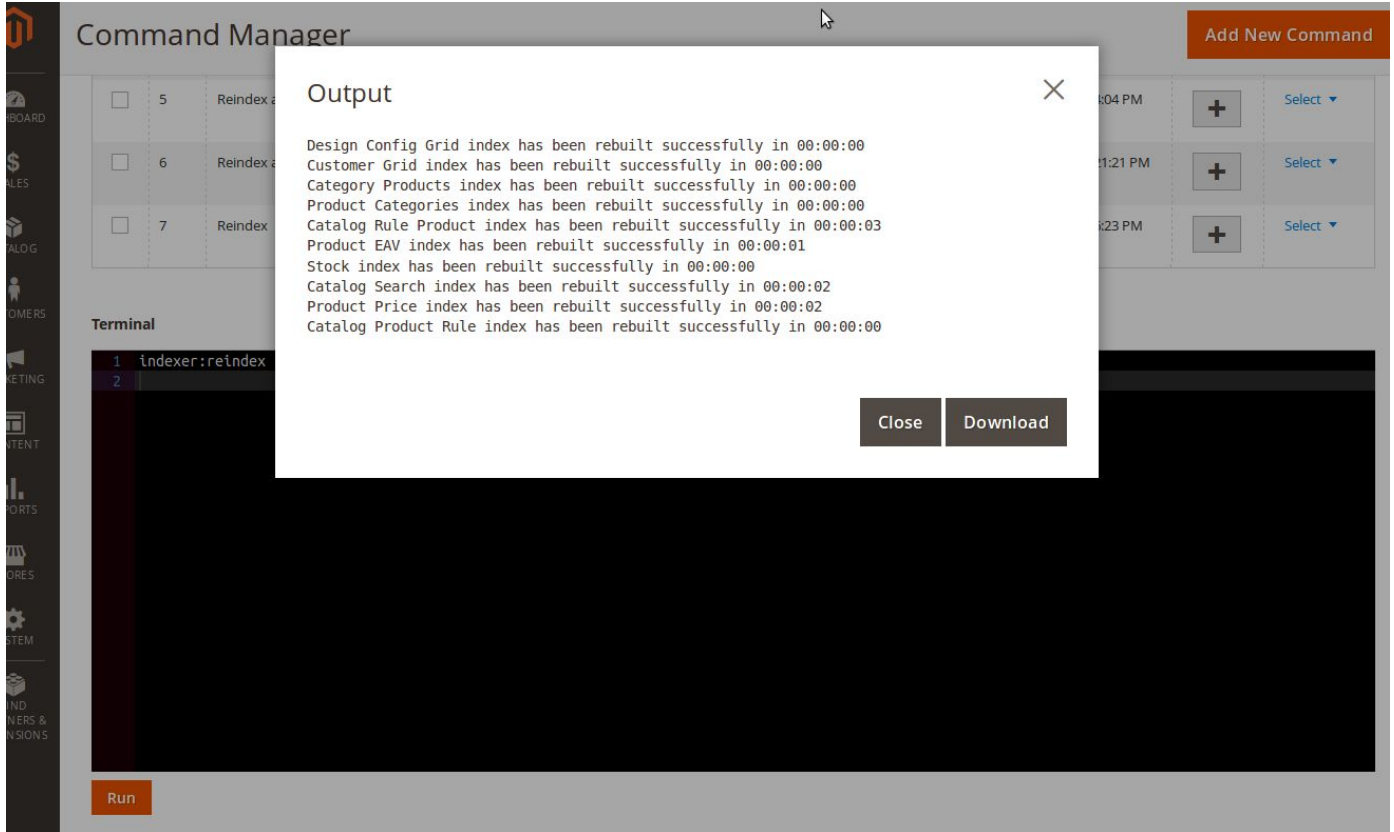
```

Run CLI commands listed in the terminal by click on this 'Run' button

Please note that during the initial page load this console editor will be empty. The values appear once the administrator adds the commands from the grid **Add to Console** action or add commands manually by typing.

**Auto-suggest is the key feature of this console editor. As you start typing, the editor gives you command hint that you can use for the auto-completion.**

**Run** button allows the administrator to run all commands listed in the console editor. After completing it will give you the final output in the modal popup from there you can see and download the output.



The screenshot displays the 'Command Manager' interface. A central 'Output' dialog box is open, showing the results of a command execution. The dialog box contains the following text:

```
Design Config Grid index has been rebuilt successfully in 00:00:00
Customer Grid index has been rebuilt successfully in 00:00:00
Category Products index has been rebuilt successfully in 00:00:00
Product Categories index has been rebuilt successfully in 00:00:00
Catalog Rule Product index has been rebuilt successfully in 00:00:03
Product EAV index has been rebuilt successfully in 00:00:01
Stock index has been rebuilt successfully in 00:00:00
Catalog Search index has been rebuilt successfully in 00:00:02
Product Price index has been rebuilt successfully in 00:00:02
Catalog Product Rule index has been rebuilt successfully in 00:00:00
```

At the bottom of the dialog box, there are two buttons: 'Close' and 'Download'. In the background, the 'Command Manager' interface is visible, showing a list of commands with checkboxes and a 'Terminal' window at the bottom. The terminal window shows the command 'indexer:reindex' being entered. A 'Run' button is located at the bottom left of the interface.

The administrator can always see and download the history of run commands which is described in the next section.

## History

Log into the Magento Admin panel and go to **System** → **Command Runner by Magediary** → **Log**.

Log History

3 records found

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ID	Username	Command	Actions	Created At
1	admin	cache:status	View Download	Jul 26, 2018 2:32:39 PM
2	admin	indexer:reindex	View Download	Jul 27, 2018 11:07:14 AM
3	admin	setup:static-content:deploy -f -t Magento\luma cache:clean	View Download	Jul 27, 2018 11:07:39 AM

View output log in modal popup

Download output log

Please note that during the initial setup this grid will be empty. The values appear once the administrator runs commands on the Command Manager page which is described in the previous section.

**ID** specifies the unique id of the history.

**Username** specifies the name of admin user who ran commands.

**Command** specifies the list of commands used to run during runtime.

**Created At** specifies the date and time of action when commands run.

The screenshot shows a web application interface with a sidebar on the left containing navigation icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, and Stores. The main content area is titled 'Log History' and displays '3 records found'. A modal popup titled 'Output' is open, showing a list of log messages:

```

Design Config Grid index has been rebuilt successfully in 00:00:00
Customer Grid index has been rebuilt successfully in 00:00:00
Category Products index has been rebuilt successfully in 00:00:00
Product Categories index has been rebuilt successfully in 00:00:00
Catalog Rule Product index has been rebuilt successfully in 00:00:03
Product EAV index has been rebuilt successfully in 00:00:01
Stock index has been rebuilt successfully in 00:00:00
Catalog Search index has been rebuilt successfully in 00:00:02
Product Price index has been rebuilt successfully in 00:00:02
Catalog Product Rule index has been rebuilt successfully in 00:00:00
  
```

The modal has a 'Close' button at the bottom right. In the background, a table with columns 'ID' and 'Username' is visible, showing three rows with 'admin' as the username.

This screenshot shows the same 'Log History' page, but with a text editor window titled 'output(4).log (~~/Downloads) - gedit' open. A red callout bubble points to the window with the text 'Preview of Downloaded log file'. The text editor displays the same log messages as the modal in the previous screenshot:

```

Design Config Grid index has been rebuilt successfully in 00:00:00
Customer Grid index has been rebuilt successfully in 00:00:00
Category Products index has been rebuilt successfully in 00:00:00
Product Categories index has been rebuilt successfully in 00:00:00
Catalog Rule Product index has been rebuilt successfully in 00:00:03
Product EAV index has been rebuilt successfully in 00:00:01
Stock index has been rebuilt successfully in 00:00:00
Catalog Search index has been rebuilt successfully in 00:00:02
Product Price index has been rebuilt successfully in 00:00:02
Catalog Product Rule index has been rebuilt successfully in 00:00:00
  
```

The text editor window includes a 'Save' button and status information at the bottom: 'Plain Text', 'Tab Width: 8', 'Ln 10, Col 69', and 'INS'. The background table and sidebar are partially visible.

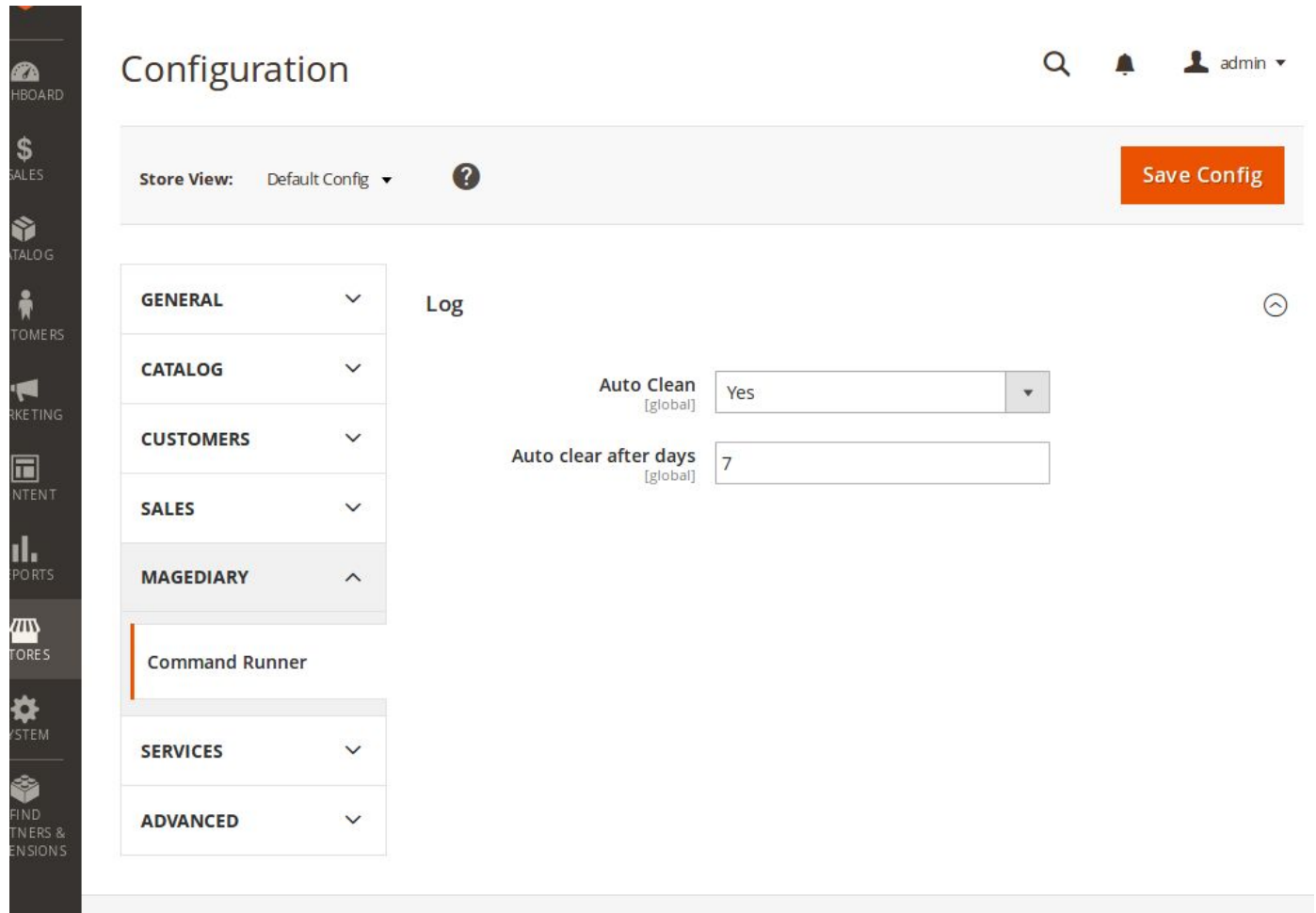
**Actions** specifies the actions:

- **View** (view output result in the modal popup)
- **Download** (download output results in the text format)



## Configuration

Log into the Magento Admin panel and go to **Stores** → **Configuration** → **Magediary** → **Command Runner**.



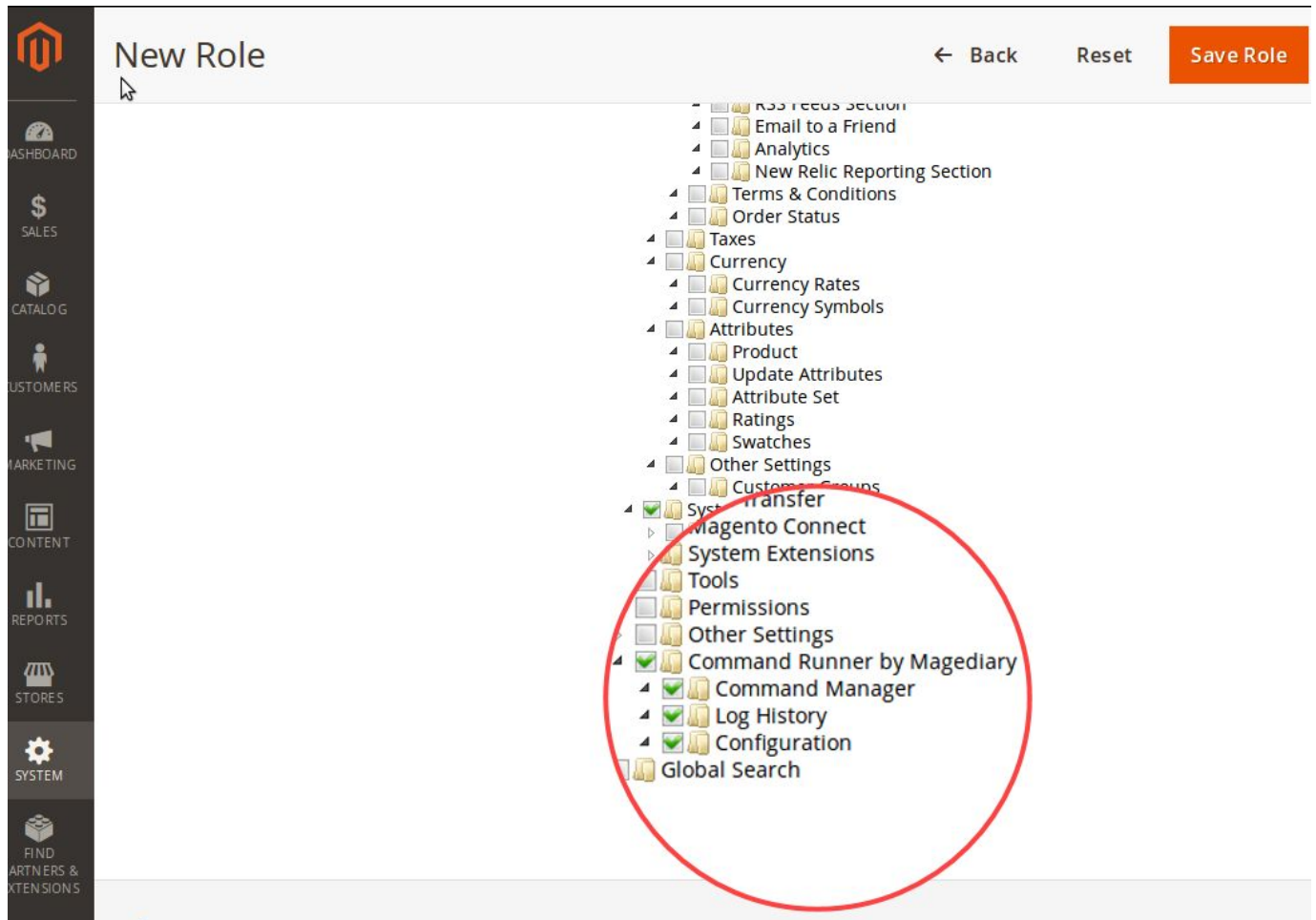
The screenshot shows the Magento Admin Configuration interface. The left sidebar contains navigation icons for Dashboard, Sales, Catalog, Customers, Sales, Magediary, Stores, System, and Find Partners & Extensions. The main content area is titled 'Configuration' and shows the 'Store View' set to 'Default Config'. A 'Save Config' button is visible in the top right. The 'Magediary' section is expanded, showing the 'Log' preference. The 'Log' preference has two settings: 'Auto Clean' set to 'Yes' and 'Auto clear after days' set to '7'. The 'Command Runner' sub-section is also visible under 'Magediary'.

You'll see the preference: **Log**. This preference lets you configure multiple parameters.

**Auto clean** enables delete of command output logs ran by admin users.

**Auto clean after days** sets a delay period (in days). Logs older than this period will be automatically deleted by a cron job that runs on a daily basis at midnight.

We can manager permission for the admin user from **System** → **Permission** → **User Roles**.



## YouTube video tutorial

1. CLI Command Runner - How it works - Demo
  - o <https://youtu.be/Hk0UYGa2fu0>
2. CLI Command Runner - ACL - Demo
  - o <https://youtu.be/BH91ksap8g4>

## WHAT are the benefits?

- Directly run Magento CLI commands from the backend
- No need to access shell every time
- Excellent and smart command editor with auto-suggest feature alongside to help you out while typing
- Save commands list for future use
- See output of commands as soon as you run it and also save complete output
- It saves output log automatically to examine for future use
- See full history of who ran commands from the backend with information including the admin username, admin id, command list, output and timestamp
- Set permission of command manager and log level for the admin users to restrict access
- Developed by Magento Certified Developer and Solution Specialist
- The codes are open source so it can be customized with ease

If you have any further query regarding this extension, Please kindly [contact us](#). We will be happy to help!