

# Introducing MYSQL\_JSON plugin

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# Agenda

1. Introduction
2. Compare JSON data in MySQL and MariaDB
3. Reading MySQL 5.7 JSON data in MariaDB without plugin installed
4. Installing the MYSQL\_JSON plugin
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# Introduction

- MYSQL\_JSON plugin is the MariaDB plugin introduced in 10.5.7 to convert MySQL 5.7 JSON data type to MariaDB
- Currently, the plugin maturity is alpha (10.6)
- Plugin library name is ``type_mysql_json``

# Compare JSON data in MySQL and MariaDB

- Create the SQL script to generate JSON data
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## *MySQL*

- Start the MySQL 5.7 server in the container and mount the host folder with created script to the `docker-entrypoint-initdb.d` in the container as well as data directory.
- Start the client

## *MariaDB*

- Start the MariaDB server in the container and mount the host folder with created script to the `docker-entrypoint-initdb.d` in the container as well as data directory.
- Start the client

[Demo Docker commands 1](#)

# Reading MySQL 5.7 JSON data in MariaDB without plugin installed

## *MySQL*

- In the previous step ``mysql-data`` data directory is created on the host.
- Create the backup
- Use the backup as data directory for MariaDB and mount to the new container.

## *MariaDB*

- Start the MariaDB server in the container with ``/tmp/mysql-data`` data directory mounted on the container data directory ``/var/lib/mysql``
- Execute queries and verify that plugin is not installed
- Inspect the plugin properties (directory, maturity)

[Demo Docker commands 2](#)

# Install MYSQL\_JSON plugin

## *MariaDB*

- Start the new container with ``plugin_maturity=alpha`` as well as ``plugin_load_add=mysql_json=type_mysql_json``.
- Validate parameters
- Query the table

[Demo Docker commands 3](#)

# Ways to import the JSON data

*MariaDB*

- ALTER TABLE FORCE
- mariadb-upgrade
- mysqldump

[Demo Docker commands 4](#)

# MariaDB

