Documentation: localhost

Servers

Server
🖳 root@localhost:3306

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localhost

Database index

Databa se
🛢 Cars

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[Server overview](#)

Server overview

Server properties

Name	Value
Product	MySQL
Version	8.0.23
Hostname	localhost
Port	3306

See also

[root@localhost:3306](#)

Cars

Database objects

Objects	Total
Tables	6
Users	1

See also

[Database overview](#)

Database overview

Database information

Name	Value
Name	Cars
Owner	localhost
Creation Date	2021. 03. 30. 19:20:15
Collation	utf8mb4_0900_ai_ci
Total Size	0,2 MB
Data Directory	/var/lib/mysql/

See also

Cars

List of tables

Tables

Name	Description	Creation date	Engine
Car_Details		2021. 03. 30. 19:20:15	InnoDB
Car_Makers		2021. 03. 30. 19:20:14	InnoDB
Car_Names		2021. 03. 30. 19:20:15	InnoDB
Continents		2021. 03. 30. 19:20:14	InnoDB
Countries		2021. 03. 30. 19:20:14	InnoDB
Model_Details		2021. 03. 30. 19:20:15	InnoDB

Total: 6 table(s)

See also

Database overview

Table: Car_Details

Properties

Name	Value
Average row length	121
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:15
Engine	InnoDB
Row format	Dynamic
Rows	406
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
ID	int	✗	PRI			10	0	
mpg	float(5,2)	✓				5	2	
cylinders	int	✓				10	0	
edispl	int	✓				10	0	
horsepower	int	✓				10	0	
weight	int	✓				10	0	
accel	float(10,2)	✓				10	2	
year	int	✓				10	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index	Sub part	Table
406	A	ID		BTREE	✓	PRIMARY			1	0	Car_D

Foreign keys

Name	Match option	Position in unique constraint	Referenced table name	Referenced column name	Ordinal position	Update rule
Car_Details_id_fk		1	Car_Names	ID	1	NO ACTION

Depends on

Name	Type	Depth
Car_Names	Table	1

Script

```
CREATE TABLE `Car_Details` (
  `ID` int NOT NULL,
  `mpg` float(5,2) DEFAULT NULL,
  `cylinders` int DEFAULT NULL,
  `edispl` int DEFAULT NULL,
  `horsepower` int DEFAULT NULL,
  `weight` int DEFAULT NULL,
  `accel` float(10,2) DEFAULT NULL,
  `year` int DEFAULT NULL,
  PRIMARY KEY (`ID`),
  CONSTRAINT `Car_Details_id_fk` FOREIGN KEY (`ID`) REFERENCES `Car_Names` (`ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

[List of tables](#)

Table: Car_Makers

Properties

Name	Value
Average row length	712
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:14
Engine	InnoDB
Row format	Dynamic
Rows	23
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
ID	int	X	PRI			10	0	
Maker	varchar(15)	✓				0	0	
FullName	varchar(25)	✓				0	0	
Country	int	✓	MUL			10	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index
9	A	Country		BTREE	✗	car_maker_country_id_fk	YES		1
23	A	ID		BTREE	✓	PRIMARY			1

Foreign keys

Name	Match option	Position in unique constraint	Referenced table name	Referenced column name	Ordinal position	Update rule
car_maker_country_id_fk		1	Countries	CountryID	1	NO ACTION

Depends on

Name	Type	Depth
Countries	Table	1

Used by

Name	Type	Depth
Model_Details	Table	1

Script

```
CREATE TABLE `Car_Makers` (
  `ID` int NOT NULL,
  `Maker` varchar(15) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  `FullName` varchar(25) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  `Country` int DEFAULT NULL,
  PRIMARY KEY (`ID`),
  KEY `car_maker_country_id_fk` (`Country`),
  CONSTRAINT `car_maker_country_id_fk` FOREIGN KEY (`Country`) REFERENCES `Countries` (`CountryID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

List of tables

Table: Car_Names

Properties

Name	Value
Average row length	121
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:15
Engine	InnoDB
Row format	Dynamic
Rows	406
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
ID	int	✗	PRI			10	0	
Model	varchar(25)	✓	MUL			0	0	
Descr	varchar(40)	✓				0	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index	Su pa
32	A	Model		BTREE	✗	Car_Names_model_fk	YES		1	0
406	A	ID		BTREE	✓	PRIMARY			1	0

Foreign keys

Name	Match option	Position in unique constraint	Referenced table name	Referenced column name	Ordinal position	Update rule
Car_Names_model_fk		1	Model_Details	Model	1	NO ACTION

Depends on

Name	Type	Depth
Model_Details	Table	1

Used by

Name	Type	Depth
Car_Details	Table	1

Script

```
CREATE TABLE `Car_Names` (
  `ID` int NOT NULL,
  `Model` varchar(25) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  `Descr` varchar(40) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  PRIMARY KEY (`ID`),
  KEY `Car_Names_model_fk` (`Model`),
  CONSTRAINT `Car_Names_model_fk` FOREIGN KEY (`Model`) REFERENCES `Model_Details` (`Model`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

[List of tables](#)

Table: Continents

Properties

Name	Value
Average row length	3276
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:14
Engine	InnoDB
Row format	Dynamic
Rows	5
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
ContID	int	✗	PRI			10	0	
Continent	varchar(15)	✓				0	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index	Sub part	Tabl
5	A	ContID		BTREE	✓	PRIMARY			1	0	Con

Used by

Name	Type	Depth
Countries	Table	1

Script

```sql
CREATE TABLE `Continents` (
  `ContID` int NOT NULL,
  `Continent` varchar(15) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  PRIMARY KEY (`ContID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

List of tables

Table: Countries

Properties

Name	Value
Average row length	1092
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:14
Engine	InnoDB
Row format	Dynamic
Rows	15
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
CountryID	int	✗	PRI			10	0	
CountryName	varchar(20)	✓				0	0	
Continent	int	✓	MUL			10	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index
5	A	Continent		BTREE	✗	country_continent_id_fk	YES		1
15	A	CountryID		BTREE	✓	PRIMARY			1

Foreign keys

Name	Match option	Position in unique constraint	Referenced table name	Referenced column name	Ordinal position	Update rule
country_continent_id_fk		1	Continents	ContID	1	NO ACTION

Depends on

Name	Type	Depth
Continents	Table	1

Used by

Name	Type	Depth
Car_Makers	Table	1

Script

```sql
CREATE TABLE `Countries` (
  `CountryID` int NOT NULL,
  `CountryName` varchar(20) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  `Continent` int DEFAULT NULL,
  PRIMARY KEY (`CountryID`),
  KEY `country_continent_id_fk` (`Continent`),
  CONSTRAINT `country_continent_id_fk` FOREIGN KEY (`Continent`) REFERENCES `Continents` (`ContID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

Table: Model_Details

Properties

Name	Value
Average row length	455
Checksum	0
Collation	utf8mb4_0900_ai_ci
Created	2021. 03. 30. 19:20:15
Engine	InnoDB
Row format	Dynamic
Rows	36
Type	Table

Columns

Name	Type	Is nullable	Key	Default	Extra	Precision	Scale	Description
ModelID	int	✗	PRI			10	0	
Maker	int	✓	MUL			10	0	
Model	varchar(25)	✓	UNI			0	0	

Indexes

Cardinality	Collation	Name	Comment	Type	Unique	Name	Null	Packed	Seq in index	Sub part
23	A	Maker		BTREE	✗	model_maker_fk	YES		1	0
36	A	Model		BTREE	✓	model_unique	YES		1	0
36	A	ModelID		BTREE	✓	PRIMARY			1	0

Foreign keys

Name	Match option	Position in unique constraint	Referenced table name	Referenced column name	Ordinal position	Update rule
model_maker_fk		1	Car_Makers	ID	1	NO

Depends on

Name	Type	Depth
Car_Makers	Table	1

Used by

Name	Type	Depth
Car_Names	Table	1

Script

```sql
CREATE TABLE `Model_Details` (
  `ModelID` int NOT NULL,
  `Maker` int DEFAULT NULL,
  `Model` varchar(25) CHARACTER SET utf8 COLLATE utf8_general_ci DEFAULT NULL,
  PRIMARY KEY (`ModelID`),
  UNIQUE KEY `model_unique` (`Model`),
  KEY `model_maker_fk` (`Maker`),
  CONSTRAINT `model_maker_fk` FOREIGN KEY (`Maker`) REFERENCES `Car_Makers` (`ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

See also

List of tables

List of users

Users

Name	Alter privilege	Create privilege	Delete privilege	Grant privilege	Super privilege
root	✓	✓	✓	✓	✓

Total: 1 user(s)

See also

Database overview

User: root

Properties

Name	Value
Alter privileges	✓
Create privileges	✓
Delete privileges	✓
Execute privileges	✓
File privileges	✓
Grant privileges	✓
Insert privileges	✓
Process privileges	✓
Reload privileges	✓
Select privileges	✓

Script

```sql
CREATE USER IF NOT EXISTS 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' AS '$A$005$e%|ISO!y5_ ;
```

About this documentation

Database documentation details

Name	Value
Author	
Created	03. 30. 2021
Comments	
Link	