**Documentation: localhost**

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# Servers

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| --- | --- |
|  | Server |
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See also

[About this documentation](#Link3)

## localhost

Database index

|  |  |
| --- | --- |
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See also

[Server overview](#Link5)

### Server overview

Server properties

|  |  |
| --- | --- |
| Name | Value |
| Product | MySQL |
| Version | 8.0.23 |
| Hostname | localhost |
| Port | 3306 |

See also

[root@localhost:3306](#Link2)

### Cars

Database objects

|  |  |
| --- | --- |
| Objects | Total |
| [Tables](#Link6) | 6 |
| [Users](#Link7) | 1 |

See also

[Database overview](#Link8)

#### 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](#Link4)

#### List of tables

Tables

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Creation date | Engine |
| [Car\_Details](#Link9) |  | 2021. 03. 30. 19:20:15 | InnoDB |
| [Car\_Makers](#Link10) |  | 2021. 03. 30. 19:20:14 | InnoDB |
| [Car\_Names](#Link11) |  | 2021. 03. 30. 19:20:15 | InnoDB |
| [Continents](#Link12) |  | 2021. 03. 30. 19:20:14 | InnoDB |
| [Countries](#Link13) |  | 2021. 03. 30. 19:20:14 | InnoDB |
| [Model\_Details](#Link14) |  | 2021. 03. 30. 19:20:15 | InnoDB |

Total: 6 table(s)

See also

[Database overview](#Link8)

##### 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\_Details |

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](#Link11) | 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](#Link6)

##### 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 | ✗ | 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 | Sub part | Table |
| 9 | A | Country |  | BTREE | ✗ | car\_maker\_country\_id\_fk | YES |  | 1 | 0 | Car\_Makers |
| 23 | A | ID |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | Car\_Makers |

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](#Link13) | Table | 1 |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Model\_Details](#Link14) | 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](#Link6)

##### 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 | Sub part | Table |
| 32 | A | Model |  | BTREE | ✗ | Car\_Names\_model\_fk | YES |  | 1 | 0 | Car\_Names |
| 406 | A | ID |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | Car\_Names |

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](#Link14) | Table | 1 |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Car\_Details](#Link9) | 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](#Link6)

##### 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 | Table |
| 5 | A | ContID |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | Continents |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Countries](#Link13) | Table | 1 |

Script

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](#Link6)

##### 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 | Sub part | Table |
| 5 | A | Continent |  | BTREE | ✗ | country\_continent\_id\_fk | YES |  | 1 | 0 | Countries |
| 15 | A | CountryID |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | Countries |

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](#Link12) | Table | 1 |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Car\_Makers](#Link10) | Table | 1 |

Script

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

[List of tables](#Link6)

##### 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 | Table |
| 23 | A | Maker |  | BTREE | ✗ | model\_maker\_fk | YES |  | 1 | 0 | Model\_Details |
| 36 | A | Model |  | BTREE | ✓ | model\_unique | YES |  | 1 | 0 | Model\_Details |
| 36 | A | ModelID |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | Model\_Details |

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 ACTION |

Depends on

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Car\_Makers](#Link10) | Table | 1 |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [Car\_Names](#Link11) | Table | 1 |

Script

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](#Link6)

#### List of users

Users

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Alter privilege | Create privilege | Delete privilege | Grant privilege | Super privilege |
| [root](#Link15) | ✓ | ✓ | ✓ | ✓ | ✓ |

Total: 1 user(s)

See also

[Database overview](#Link8)

##### 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

CREATE USER IF NOT EXISTS 'root'@'localhost' IDENTIFIED WITH 'mysql\_native\_password' AS '$A$005$e%|ISO!y5\_ ;

See also

[List of users](#Link7)

# About this documentation

Database documentation details

|  |  |
| --- | --- |
| Name | Value |
| Author |  |
| Created | 03. 30. 2021 |
| Comments |  |
| Link |  |

See also

[Servers](#Link1)