# **CƠ SỞ DỮ LIỆU**

## **Schema: INFORMATION\_SCHEMA**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| ADMINISTRABLE\_ROLE\_AUTHORIZATIONS |  |
| APPLICABLE\_ROLES |  |
| CHARACTER\_SETS |  |
| CHECK\_CONSTRAINTS |  |
| COLLATION\_CHARACTER\_SET\_APPLICABILITY |  |
| COLLATIONS |  |
| COLUMN\_PRIVILEGES |  |
| COLUMN\_STATISTICS |  |
| COLUMNS |  |
| COLUMNS\_EXTENSIONS |  |
| ENABLED\_ROLES |  |
| ENGINES |  |
| EVENTS |  |
| FILES |  |
| INNODB\_BUFFER\_PAGE |  |
| INNODB\_BUFFER\_PAGE\_LRU |  |
| INNODB\_BUFFER\_POOL\_STATS |  |
| INNODB\_CACHED\_INDEXES |  |
| INNODB\_CMP |  |
| INNODB\_CMP\_PER\_INDEX |  |
| INNODB\_CMP\_PER\_INDEX\_RESET |  |
| INNODB\_CMP\_RESET |  |
| INNODB\_CMPMEM |  |
| INNODB\_CMPMEM\_RESET |  |
| INNODB\_COLUMNS |  |
| INNODB\_DATAFILES |  |
| INNODB\_FIELDS |  |
| INNODB\_FOREIGN |  |
| INNODB\_FOREIGN\_COLS |  |
| INNODB\_FT\_BEING\_DELETED |  |
| INNODB\_FT\_CONFIG |  |
| INNODB\_FT\_DEFAULT\_STOPWORD |  |
| INNODB\_FT\_DELETED |  |
| INNODB\_FT\_INDEX\_CACHE |  |
| INNODB\_FT\_INDEX\_TABLE |  |
| INNODB\_INDEXES |  |
| INNODB\_METRICS |  |
| INNODB\_SESSION\_TEMP\_TABLESPACES |  |
| INNODB\_TABLES |  |
| INNODB\_TABLESPACES |  |
| INNODB\_TABLESPACES\_BRIEF |  |
| INNODB\_TABLESTATS |  |
| INNODB\_TEMP\_TABLE\_INFO |  |
| INNODB\_TRX |  |
| INNODB\_VIRTUAL |  |
| KEY\_COLUMN\_USAGE |  |
| KEYWORDS |  |
| OPTIMIZER\_TRACE |  |
| PARAMETERS |  |
| PARTITIONS |  |
| PLUGINS |  |
| PROCESSLIST |  |
| PROFILING |  |
| REFERENTIAL\_CONSTRAINTS |  |
| RESOURCE\_GROUPS |  |
| ROLE\_COLUMN\_GRANTS |  |
| ROLE\_ROUTINE\_GRANTS |  |
| ROLE\_TABLE\_GRANTS |  |
| ROUTINES |  |
| SCHEMA\_PRIVILEGES |  |
| SCHEMATA |  |
| SCHEMATA\_EXTENSIONS |  |
| ST\_GEOMETRY\_COLUMNS |  |
| ST\_SPATIAL\_REFERENCE\_SYSTEMS |  |
| ST\_UNITS\_OF\_MEASURE |  |
| STATISTICS |  |
| TABLE\_CONSTRAINTS |  |
| TABLE\_CONSTRAINTS\_EXTENSIONS |  |
| TABLE\_PRIVILEGES |  |
| TABLES |  |
| TABLES\_EXTENSIONS |  |
| TABLESPACES |  |
| TABLESPACES\_EXTENSIONS |  |
| TRIGGERS |  |
| USER\_ATTRIBUTES |  |
| USER\_PRIVILEGES |  |
| VIEW\_ROUTINE\_USAGE |  |
| VIEW\_TABLE\_USAGE |  |
| VIEWS |  |

### **ADMINISTRABLE\_ROLE\_AUTHORIZATIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | VARCHAR (97) |  |  |  |  |  |
| HOST | VARCHAR (256) |  |  |  |  |  |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| GRANTEE\_HOST | VARCHAR (256) |  |  |  |  |  |
| ROLE\_NAME | VARCHAR (255) |  |  |  |  |  |
| ROLE\_HOST | VARCHAR (256) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (3) |  |  |  |  |  |
| IS\_DEFAULT | VARCHAR (3) |  |  |  |  |  |
| IS\_MANDATORY | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **APPLICABLE\_ROLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | VARCHAR (97) |  |  |  |  |  |
| HOST | VARCHAR (256) |  |  |  |  |  |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| GRANTEE\_HOST | VARCHAR (256) |  |  |  |  |  |
| ROLE\_NAME | VARCHAR (255) |  |  |  |  |  |
| ROLE\_HOST | VARCHAR (256) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (3) |  |  |  |  |  |
| IS\_DEFAULT | VARCHAR (3) |  |  |  |  |  |
| IS\_MANDATORY | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **CHARACTER\_SETS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| DEFAULT\_COLLATE\_NAME | VARCHAR (64) |  |  |  |  |  |
| DESCRIPTION | VARCHAR (2048) |  |  |  |  |  |
| MAXLEN | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **CHECK\_CONSTRAINTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| CHECK\_CLAUSE | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLLATION\_CHARACTER\_SET\_APPLICABILITY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLLATIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| IS\_DEFAULT | VARCHAR (3) |  |  |  |  |  |
| IS\_COMPILED | VARCHAR (3) |  |  |  |  |  |
| SORTLEN | INT UNSIGNED (10) |  |  |  |  |  |
| PAD\_ATTRIBUTE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLUMN\_PRIVILEGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (170) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (21) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (21) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (21) |  |  |  |  |  |
| PRIVILEGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLUMN\_STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SCHEMA\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| HISTOGRAM | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLUMNS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| ORDINAL\_POSITION | INT UNSIGNED (10) |  |  |  |  |  |
| COLUMN\_DEFAULT | TEXT (65535) |  |  |  |  |  |
| IS\_NULLABLE | VARCHAR (3) |  |  |  |  |  |
| DATA\_TYPE | LONGTEXT (2147483647) |  |  |  |  |  |
| CHARACTER\_MAXIMUM\_LENGTH | BIGINT (19) |  |  |  |  |  |
| CHARACTER\_OCTET\_LENGTH | BIGINT (19) |  |  |  |  |  |
| NUMERIC\_PRECISION | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMERIC\_SCALE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| DATETIME\_PRECISION | INT UNSIGNED (10) |  |  |  |  |  |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_TYPE | MEDIUMTEXT (16777215) |  |  |  |  |  |
| COLUMN\_KEY | ENUM (3) |  |  |  |  |  |
| EXTRA | VARCHAR (256) |  |  |  |  |  |
| PRIVILEGES | VARCHAR (154) |  |  |  |  |  |
| COLUMN\_COMMENT | TEXT (65535) |  |  |  |  |  |
| GENERATION\_EXPRESSION | LONGTEXT (2147483647) |  |  |  |  |  |
| SRS\_ID | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COLUMNS\_EXTENSIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |
| SECONDARY\_ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ENABLED\_ROLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ROLE\_NAME | VARCHAR (255) |  |  |  |  |  |
| ROLE\_HOST | VARCHAR (255) |  |  |  |  |  |
| IS\_DEFAULT | VARCHAR (3) |  |  |  |  |  |
| IS\_MANDATORY | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ENGINES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ENGINE | VARCHAR (21) |  |  |  |  |  |
| SUPPORT | VARCHAR (2) |  |  |  |  |  |
| COMMENT | VARCHAR (26) |  |  |  |  |  |
| TRANSACTIONS | VARCHAR (1) |  |  |  |  |  |
| XA | VARCHAR (1) |  |  |  |  |  |
| SAVEPOINTS | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **EVENTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| EVENT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (64) |  |  |  |  |  |
| DEFINER | VARCHAR (288) |  |  |  |  |  |
| TIME\_ZONE | VARCHAR (64) |  |  |  |  |  |
| EVENT\_BODY | VARCHAR (3) |  |  |  |  |  |
| EVENT\_DEFINITION | LONGTEXT (2147483647) |  |  |  |  |  |
| EVENT\_TYPE | VARCHAR (9) |  |  |  |  |  |
| EXECUTE\_AT | DATETIME (19) |  |  |  |  |  |
| INTERVAL\_VALUE | VARCHAR (256) |  |  |  |  |  |
| INTERVAL\_FIELD | ENUM (18) |  |  |  |  |  |
| SQL\_MODE | SET (520) |  |  |  |  |  |
| STARTS | DATETIME (19) |  |  |  |  |  |
| ENDS | DATETIME (19) |  |  |  |  |  |
| STATUS | ENUM (18) |  |  |  |  |  |
| ON\_COMPLETION | VARCHAR (12) |  |  |  |  |  |
| CREATED | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_ALTERED | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_EXECUTED | DATETIME (19) |  |  |  |  |  |
| EVENT\_COMMENT | VARCHAR (2048) |  |  |  |  |  |
| ORIGINATOR | INT UNSIGNED (10) |  |  |  |  |  |
| CHARACTER\_SET\_CLIENT | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_CONNECTION | VARCHAR (64) |  |  |  |  |  |
| DATABASE\_COLLATION | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **FILES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FILE\_ID | BIGINT (19) |  |  |  |  |  |
| FILE\_NAME | TEXT (65535) |  |  |  |  |  |
| FILE\_TYPE | VARCHAR (256) |  |  |  |  |  |
| TABLESPACE\_NAME | VARCHAR (268) |  |  |  |  |  |
| TABLE\_CATALOG | CHAR (0) |  |  |  |  |  |
| TABLE\_SCHEMA | BINARY (0) |  |  |  |  |  |
| TABLE\_NAME | BINARY (0) |  |  |  |  |  |
| LOGFILE\_GROUP\_NAME | VARCHAR (256) |  |  |  |  |  |
| LOGFILE\_GROUP\_NUMBER | BIGINT (19) |  |  |  |  |  |
| ENGINE | VARCHAR (64) |  |  |  |  |  |
| FULLTEXT\_KEYS | BINARY (0) |  |  |  |  |  |
| DELETED\_ROWS | BINARY (0) |  |  |  |  |  |
| UPDATE\_COUNT | BINARY (0) |  |  |  |  |  |
| FREE\_EXTENTS | BIGINT (19) |  |  |  |  |  |
| TOTAL\_EXTENTS | BIGINT (19) |  |  |  |  |  |
| EXTENT\_SIZE | BIGINT (19) |  |  |  |  |  |
| INITIAL\_SIZE | BIGINT (19) |  |  |  |  |  |
| MAXIMUM\_SIZE | BIGINT (19) |  |  |  |  |  |
| AUTOEXTEND\_SIZE | BIGINT (19) |  |  |  |  |  |
| CREATION\_TIME | BINARY (0) |  |  |  |  |  |
| LAST\_UPDATE\_TIME | BINARY (0) |  |  |  |  |  |
| LAST\_ACCESS\_TIME | BINARY (0) |  |  |  |  |  |
| RECOVER\_TIME | BINARY (0) |  |  |  |  |  |
| TRANSACTION\_COUNTER | BINARY (0) |  |  |  |  |  |
| VERSION | BIGINT (19) |  |  |  |  |  |
| ROW\_FORMAT | VARCHAR (256) |  |  |  |  |  |
| TABLE\_ROWS | BINARY (0) |  |  |  |  |  |
| AVG\_ROW\_LENGTH | BINARY (0) |  |  |  |  |  |
| DATA\_LENGTH | BINARY (0) |  |  |  |  |  |
| MAX\_DATA\_LENGTH | BINARY (0) |  |  |  |  |  |
| INDEX\_LENGTH | BINARY (0) |  |  |  |  |  |
| DATA\_FREE | BIGINT (19) |  |  |  |  |  |
| CREATE\_TIME | BINARY (0) |  |  |  |  |  |
| UPDATE\_TIME | BINARY (0) |  |  |  |  |  |
| CHECK\_TIME | BINARY (0) |  |  |  |  |  |
| CHECKSUM | BINARY (0) |  |  |  |  |  |
| STATUS | VARCHAR (256) |  |  |  |  |  |
| EXTRA | VARCHAR (256) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_BUFFER\_PAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| POOL\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| BLOCK\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| SPACE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGE\_NUMBER | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| FLUSH\_TYPE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| FIX\_COUNT | BIGINT UNSIGNED (0) |  |  |  |  |  |
| IS\_HASHED | VARCHAR (1) |  |  |  |  |  |
| NEWEST\_MODIFICATION | BIGINT UNSIGNED (0) |  |  |  |  |  |
| OLDEST\_MODIFICATION | BIGINT UNSIGNED (0) |  |  |  |  |  |
| ACCESS\_TIME | BIGINT UNSIGNED (0) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (341) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (341) |  |  |  |  |  |
| NUMBER\_RECORDS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DATA\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| COMPRESSED\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGE\_STATE | VARCHAR (21) |  |  |  |  |  |
| IO\_FIX | VARCHAR (21) |  |  |  |  |  |
| IS\_OLD | VARCHAR (1) |  |  |  |  |  |
| FREE\_PAGE\_CLOCK | BIGINT UNSIGNED (0) |  |  |  |  |  |
| IS\_STALE | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_BUFFER\_PAGE\_LRU**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| POOL\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| LRU\_POSITION | BIGINT UNSIGNED (0) |  |  |  |  |  |
| SPACE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGE\_NUMBER | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| FLUSH\_TYPE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| FIX\_COUNT | BIGINT UNSIGNED (0) |  |  |  |  |  |
| IS\_HASHED | VARCHAR (1) |  |  |  |  |  |
| NEWEST\_MODIFICATION | BIGINT UNSIGNED (0) |  |  |  |  |  |
| OLDEST\_MODIFICATION | BIGINT UNSIGNED (0) |  |  |  |  |  |
| ACCESS\_TIME | BIGINT UNSIGNED (0) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (341) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (341) |  |  |  |  |  |
| NUMBER\_RECORDS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DATA\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| COMPRESSED\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| COMPRESSED | VARCHAR (1) |  |  |  |  |  |
| IO\_FIX | VARCHAR (21) |  |  |  |  |  |
| IS\_OLD | VARCHAR (1) |  |  |  |  |  |
| FREE\_PAGE\_CLOCK | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_BUFFER\_POOL\_STATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| POOL\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| POOL\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| FREE\_BUFFERS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DATABASE\_PAGES | BIGINT UNSIGNED (0) |  |  |  |  |  |
| OLD\_DATABASE\_PAGES | BIGINT UNSIGNED (0) |  |  |  |  |  |
| MODIFIED\_DATABASE\_PAGES | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PENDING\_DECOMPRESS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PENDING\_READS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PENDING\_FLUSH\_LRU | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PENDING\_FLUSH\_LIST | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGES\_MADE\_YOUNG | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGES\_NOT\_MADE\_YOUNG | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGES\_MADE\_YOUNG\_RATE | FLOAT (0) |  |  |  |  |  |
| PAGES\_MADE\_NOT\_YOUNG\_RATE | FLOAT (0) |  |  |  |  |  |
| NUMBER\_PAGES\_READ | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NUMBER\_PAGES\_CREATED | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NUMBER\_PAGES\_WRITTEN | BIGINT UNSIGNED (0) |  |  |  |  |  |
| PAGES\_READ\_RATE | FLOAT (0) |  |  |  |  |  |
| PAGES\_CREATE\_RATE | FLOAT (0) |  |  |  |  |  |
| PAGES\_WRITTEN\_RATE | FLOAT (0) |  |  |  |  |  |
| NUMBER\_PAGES\_GET | BIGINT UNSIGNED (0) |  |  |  |  |  |
| HIT\_RATE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| YOUNG\_MAKE\_PER\_THOUSAND\_GETS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NOT\_YOUNG\_MAKE\_PER\_THOUSAND\_GETS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NUMBER\_PAGES\_READ\_AHEAD | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NUMBER\_READ\_AHEAD\_EVICTED | BIGINT UNSIGNED (0) |  |  |  |  |  |
| READ\_AHEAD\_RATE | FLOAT (0) |  |  |  |  |  |
| READ\_AHEAD\_EVICTED\_RATE | FLOAT (0) |  |  |  |  |  |
| LRU\_IO\_TOTAL | BIGINT UNSIGNED (0) |  |  |  |  |  |
| LRU\_IO\_CURRENT | BIGINT UNSIGNED (0) |  |  |  |  |  |
| UNCOMPRESS\_TOTAL | BIGINT UNSIGNED (0) |  |  |  |  |  |
| UNCOMPRESS\_CURRENT | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CACHED\_INDEXES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPACE\_ID | INT UNSIGNED (0) |  |  |  |  |  |
| INDEX\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| N\_CACHED\_PAGES | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMP**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| page\_size | INT (0) |  |  |  |  |  |
| compress\_ops | INT (0) |  |  |  |  |  |
| compress\_ops\_ok | INT (0) |  |  |  |  |  |
| compress\_time | INT (0) |  |  |  |  |  |
| uncompress\_ops | INT (0) |  |  |  |  |  |
| uncompress\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMP\_PER\_INDEX**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| database\_name | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |
| compress\_ops | INT (0) |  |  |  |  |  |
| compress\_ops\_ok | INT (0) |  |  |  |  |  |
| compress\_time | INT (0) |  |  |  |  |  |
| uncompress\_ops | INT (0) |  |  |  |  |  |
| uncompress\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMP\_PER\_INDEX\_RESET**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| database\_name | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |
| compress\_ops | INT (0) |  |  |  |  |  |
| compress\_ops\_ok | INT (0) |  |  |  |  |  |
| compress\_time | INT (0) |  |  |  |  |  |
| uncompress\_ops | INT (0) |  |  |  |  |  |
| uncompress\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMP\_RESET**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| page\_size | INT (0) |  |  |  |  |  |
| compress\_ops | INT (0) |  |  |  |  |  |
| compress\_ops\_ok | INT (0) |  |  |  |  |  |
| compress\_time | INT (0) |  |  |  |  |  |
| uncompress\_ops | INT (0) |  |  |  |  |  |
| uncompress\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMPMEM**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| page\_size | INT (0) |  |  |  |  |  |
| buffer\_pool\_instance | INT (0) |  |  |  |  |  |
| pages\_used | INT (0) |  |  |  |  |  |
| pages\_free | INT (0) |  |  |  |  |  |
| relocation\_ops | BIGINT (0) |  |  |  |  |  |
| relocation\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_CMPMEM\_RESET**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| page\_size | INT (0) |  |  |  |  |  |
| buffer\_pool\_instance | INT (0) |  |  |  |  |  |
| pages\_used | INT (0) |  |  |  |  |  |
| pages\_free | INT (0) |  |  |  |  |  |
| relocation\_ops | BIGINT (0) |  |  |  |  |  |
| relocation\_time | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_COLUMNS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (64) |  |  |  |  |  |
| POS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| MTYPE | INT (0) |  |  |  |  |  |
| PRTYPE | INT (0) |  |  |  |  |  |
| LEN | INT (0) |  |  |  |  |  |
| HAS\_DEFAULT | INT (0) |  |  |  |  |  |
| DEFAULT\_VALUE | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_DATAFILES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPACE | VARBINARY (256) |  |  |  |  |  |
| PATH | VARCHAR (512) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FIELDS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| INDEX\_ID | VARBINARY (256) |  |  |  |  |  |
| NAME | VARCHAR (64) |  |  |  |  |  |
| POS | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FOREIGN**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | VARCHAR (129) |  |  |  |  |  |
| FOR\_NAME | VARCHAR (129) |  |  |  |  |  |
| REF\_NAME | VARCHAR (129) |  |  |  |  |  |
| N\_COLS | BIGINT (19) |  |  |  |  |  |
| TYPE | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FOREIGN\_COLS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | VARCHAR (129) |  |  |  |  |  |
| FOR\_COL\_NAME | VARCHAR (64) |  |  |  |  |  |
| REF\_COL\_NAME | VARCHAR (64) |  |  |  |  |  |
| POS | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_BEING\_DELETED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_CONFIG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| KEY | VARCHAR (64) |  |  |  |  |  |
| VALUE | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_DEFAULT\_STOPWORD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| value | VARCHAR (6) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_DELETED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_INDEX\_CACHE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| WORD | VARCHAR (112) |  |  |  |  |  |
| FIRST\_DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| LAST\_DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DOC\_COUNT | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| POSITION | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_FT\_INDEX\_TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| WORD | VARCHAR (112) |  |  |  |  |  |
| FIRST\_DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| LAST\_DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DOC\_COUNT | BIGINT UNSIGNED (0) |  |  |  |  |  |
| DOC\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| POSITION | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_INDEXES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| INDEX\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| TYPE | INT (0) |  |  |  |  |  |
| N\_FIELDS | INT (0) |  |  |  |  |  |
| PAGE\_NO | INT (0) |  |  |  |  |  |
| SPACE | INT (0) |  |  |  |  |  |
| MERGE\_THRESHOLD | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_METRICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (64) |  |  |  |  |  |
| SUBSYSTEM | VARCHAR (64) |  |  |  |  |  |
| COUNT | BIGINT (0) |  |  |  |  |  |
| MAX\_COUNT | BIGINT (0) |  |  |  |  |  |
| MIN\_COUNT | BIGINT (0) |  |  |  |  |  |
| AVG\_COUNT | FLOAT (0) |  |  |  |  |  |
| COUNT\_RESET | BIGINT (0) |  |  |  |  |  |
| MAX\_COUNT\_RESET | BIGINT (0) |  |  |  |  |  |
| MIN\_COUNT\_RESET | BIGINT (0) |  |  |  |  |  |
| AVG\_COUNT\_RESET | FLOAT (0) |  |  |  |  |  |
| TIME\_ENABLED | DATETIME (0) |  |  |  |  |  |
| TIME\_DISABLED | DATETIME (0) |  |  |  |  |  |
| TIME\_ELAPSED | BIGINT (0) |  |  |  |  |  |
| TIME\_RESET | DATETIME (0) |  |  |  |  |  |
| STATUS | VARCHAR (64) |  |  |  |  |  |
| TYPE | VARCHAR (64) |  |  |  |  |  |
| COMMENT | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_SESSION\_TEMP\_TABLESPACES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | INT UNSIGNED (0) |  |  |  |  |  |
| SPACE | INT UNSIGNED (0) |  |  |  |  |  |
| PATH | VARCHAR (1333) |  |  |  |  |  |
| SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| STATE | VARCHAR (64) |  |  |  |  |  |
| PURPOSE | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (218) |  |  |  |  |  |
| FLAG | INT (0) |  |  |  |  |  |
| N\_COLS | INT (0) |  |  |  |  |  |
| SPACE | BIGINT (0) |  |  |  |  |  |
| ROW\_FORMAT | VARCHAR (4) |  |  |  |  |  |
| ZIP\_PAGE\_SIZE | INT UNSIGNED (0) |  |  |  |  |  |
| SPACE\_TYPE | VARCHAR (3) |  |  |  |  |  |
| INSTANT\_COLS | INT (0) |  |  |  |  |  |
| TOTAL\_ROW\_VERSIONS | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TABLESPACES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPACE | INT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (218) |  |  |  |  |  |
| FLAG | INT UNSIGNED (0) |  |  |  |  |  |
| ROW\_FORMAT | VARCHAR (7) |  |  |  |  |  |
| PAGE\_SIZE | INT UNSIGNED (0) |  |  |  |  |  |
| ZIP\_PAGE\_SIZE | INT UNSIGNED (0) |  |  |  |  |  |
| SPACE\_TYPE | VARCHAR (3) |  |  |  |  |  |
| FS\_BLOCK\_SIZE | INT UNSIGNED (0) |  |  |  |  |  |
| FILE\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| ALLOCATED\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| AUTOEXTEND\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| SERVER\_VERSION | VARCHAR (3) |  |  |  |  |  |
| SPACE\_VERSION | INT UNSIGNED (0) |  |  |  |  |  |
| ENCRYPTION | VARCHAR (0) |  |  |  |  |  |
| STATE | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TABLESPACES\_BRIEF**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPACE | VARBINARY (256) |  |  |  |  |  |
| NAME | VARCHAR (268) |  |  |  |  |  |
| PATH | VARCHAR (512) |  |  |  |  |  |
| FLAG | VARBINARY (256) |  |  |  |  |  |
| SPACE\_TYPE | VARCHAR (7) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TABLESTATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (64) |  |  |  |  |  |
| STATS\_INITIALIZED | VARCHAR (64) |  |  |  |  |  |
| NUM\_ROWS | BIGINT UNSIGNED (0) |  |  |  |  |  |
| CLUST\_INDEX\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| OTHER\_INDEX\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| MODIFIED\_COUNTER | BIGINT UNSIGNED (0) |  |  |  |  |  |
| AUTOINC | BIGINT UNSIGNED (0) |  |  |  |  |  |
| REF\_COUNT | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TEMP\_TABLE\_INFO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NAME | VARCHAR (21) |  |  |  |  |  |
| N\_COLS | INT UNSIGNED (0) |  |  |  |  |  |
| SPACE | INT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_TRX**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| trx\_id | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_state | VARCHAR (4) |  |  |  |  |  |
| trx\_started | DATETIME (0) |  |  |  |  |  |
| trx\_requested\_lock\_id | VARCHAR (35) |  |  |  |  |  |
| trx\_wait\_started | DATETIME (0) |  |  |  |  |  |
| trx\_weight | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_mysql\_thread\_id | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_query | VARCHAR (341) |  |  |  |  |  |
| trx\_operation\_state | VARCHAR (21) |  |  |  |  |  |
| trx\_tables\_in\_use | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_tables\_locked | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_lock\_structs | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_lock\_memory\_bytes | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_rows\_locked | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_rows\_modified | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_concurrency\_tickets | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_isolation\_level | VARCHAR (5) |  |  |  |  |  |
| trx\_unique\_checks | INT (0) |  |  |  |  |  |
| trx\_foreign\_key\_checks | INT (0) |  |  |  |  |  |
| trx\_last\_foreign\_key\_error | VARCHAR (85) |  |  |  |  |  |
| trx\_adaptive\_hash\_latched | INT (0) |  |  |  |  |  |
| trx\_adaptive\_hash\_timeout | BIGINT UNSIGNED (0) |  |  |  |  |  |
| trx\_is\_read\_only | INT (0) |  |  |  |  |  |
| trx\_autocommit\_non\_locking | INT (0) |  |  |  |  |  |
| trx\_schedule\_weight | BIGINT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_VIRTUAL**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| POS | INT UNSIGNED (0) |  |  |  |  |  |
| BASE\_POS | INT UNSIGNED (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **KEY\_COLUMN\_USAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| ORDINAL\_POSITION | INT UNSIGNED (10) |  |  |  |  |  |
| POSITION\_IN\_UNIQUE\_CONSTRAINT | INT UNSIGNED (10) |  |  |  |  |  |
| REFERENCED\_TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| REFERENCED\_TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| REFERENCED\_COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **KEYWORDS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| WORD | VARCHAR (128) |  |  |  |  |  |
| RESERVED | INT (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **OPTIMIZER\_TRACE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| QUERY | VARCHAR (21845) |  |  |  |  |  |
| TRACE | VARCHAR (21845) |  |  |  |  |  |
| MISSING\_BYTES\_BEYOND\_MAX\_MEM\_SIZE | INT (0) |  |  |  |  |  |
| INSUFFICIENT\_PRIVILEGES | BIT (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PARAMETERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPECIFIC\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| SPECIFIC\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| SPECIFIC\_NAME | VARCHAR (64) |  |  |  |  |  |
| ORDINAL\_POSITION | BIGINT UNSIGNED (20) |  |  |  |  |  |
| PARAMETER\_MODE | VARCHAR (5) |  |  |  |  |  |
| PARAMETER\_NAME | VARCHAR (64) |  |  |  |  |  |
| DATA\_TYPE | LONGTEXT (2147483647) |  |  |  |  |  |
| CHARACTER\_MAXIMUM\_LENGTH | BIGINT (19) |  |  |  |  |  |
| CHARACTER\_OCTET\_LENGTH | BIGINT (19) |  |  |  |  |  |
| NUMERIC\_PRECISION | INT UNSIGNED (10) |  |  |  |  |  |
| NUMERIC\_SCALE | BIGINT (19) |  |  |  |  |  |
| DATETIME\_PRECISION | INT UNSIGNED (10) |  |  |  |  |  |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| DTD\_IDENTIFIER | MEDIUMTEXT (16777215) |  |  |  |  |  |
| ROUTINE\_TYPE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PARTITIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| PARTITION\_NAME | VARCHAR (64) |  |  |  |  |  |
| SUBPARTITION\_NAME | VARCHAR (64) |  |  |  |  |  |
| PARTITION\_ORDINAL\_POSITION | INT UNSIGNED (10) |  |  |  |  |  |
| SUBPARTITION\_ORDINAL\_POSITION | INT UNSIGNED (10) |  |  |  |  |  |
| PARTITION\_METHOD | VARCHAR (13) |  |  |  |  |  |
| SUBPARTITION\_METHOD | VARCHAR (13) |  |  |  |  |  |
| PARTITION\_EXPRESSION | VARCHAR (2048) |  |  |  |  |  |
| SUBPARTITION\_EXPRESSION | VARCHAR (2048) |  |  |  |  |  |
| PARTITION\_DESCRIPTION | TEXT (65535) |  |  |  |  |  |
| TABLE\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_ROW\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| DATA\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_DATA\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| INDEX\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| DATA\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATE\_TIME | TIMESTAMP (19) |  |  |  |  |  |
| UPDATE\_TIME | DATETIME (19) |  |  |  |  |  |
| CHECK\_TIME | DATETIME (19) |  |  |  |  |  |
| CHECKSUM | BIGINT (19) |  |  |  |  |  |
| PARTITION\_COMMENT | TEXT (65535) |  |  |  |  |  |
| NODEGROUP | VARCHAR (256) |  |  |  |  |  |
| TABLESPACE\_NAME | VARCHAR (268) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PLUGINS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| PLUGIN\_NAME | VARCHAR (21) |  |  |  |  |  |
| PLUGIN\_VERSION | VARCHAR (6) |  |  |  |  |  |
| PLUGIN\_STATUS | VARCHAR (3) |  |  |  |  |  |
| PLUGIN\_TYPE | VARCHAR (26) |  |  |  |  |  |
| PLUGIN\_TYPE\_VERSION | VARCHAR (6) |  |  |  |  |  |
| PLUGIN\_LIBRARY | VARCHAR (21) |  |  |  |  |  |
| PLUGIN\_LIBRARY\_VERSION | VARCHAR (6) |  |  |  |  |  |
| PLUGIN\_AUTHOR | VARCHAR (21) |  |  |  |  |  |
| PLUGIN\_DESCRIPTION | VARCHAR (21845) |  |  |  |  |  |
| PLUGIN\_LICENSE | VARCHAR (26) |  |  |  |  |  |
| LOAD\_OPTION | VARCHAR (21) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PROCESSLIST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| USER | VARCHAR (10) |  |  |  |  |  |
| HOST | VARCHAR (87) |  |  |  |  |  |
| DB | VARCHAR (21) |  |  |  |  |  |
| COMMAND | VARCHAR (5) |  |  |  |  |  |
| TIME | INT (0) |  |  |  |  |  |
| STATE | VARCHAR (21) |  |  |  |  |  |
| INFO | VARCHAR (21845) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PROFILING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| QUERY\_ID | INT (0) |  |  |  |  |  |
| SEQ | INT (0) |  |  |  |  |  |
| STATE | VARCHAR (10) |  |  |  |  |  |
| DURATION | DECIMAL (0) |  |  |  |  |  |
| CPU\_USER | DECIMAL (0) |  |  |  |  |  |
| CPU\_SYSTEM | DECIMAL (0) |  |  |  |  |  |
| CONTEXT\_VOLUNTARY | INT (0) |  |  |  |  |  |
| CONTEXT\_INVOLUNTARY | INT (0) |  |  |  |  |  |
| BLOCK\_OPS\_IN | INT (0) |  |  |  |  |  |
| BLOCK\_OPS\_OUT | INT (0) |  |  |  |  |  |
| MESSAGES\_SENT | INT (0) |  |  |  |  |  |
| MESSAGES\_RECEIVED | INT (0) |  |  |  |  |  |
| PAGE\_FAULTS\_MAJOR | INT (0) |  |  |  |  |  |
| PAGE\_FAULTS\_MINOR | INT (0) |  |  |  |  |  |
| SWAPS | INT (0) |  |  |  |  |  |
| SOURCE\_FUNCTION | VARCHAR (10) |  |  |  |  |  |
| SOURCE\_FILE | VARCHAR (6) |  |  |  |  |  |
| SOURCE\_LINE | INT (0) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REFERENTIAL\_CONSTRAINTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| UNIQUE\_CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| UNIQUE\_CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| UNIQUE\_CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| MATCH\_OPTION | ENUM (7) |  |  |  |  |  |
| UPDATE\_RULE | ENUM (11) |  |  |  |  |  |
| DELETE\_RULE | ENUM (11) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| REFERENCED\_TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **RESOURCE\_GROUPS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| RESOURCE\_GROUP\_NAME | VARCHAR (64) |  |  |  |  |  |
| RESOURCE\_GROUP\_TYPE | ENUM (6) |  |  |  |  |  |
| RESOURCE\_GROUP\_ENABLED | BIT (1) |  |  |  |  |  |
| VCPU\_IDS | BLOB (65535) |  |  |  |  |  |
| THREAD\_PRIORITY | INT (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ROLE\_COLUMN\_GRANTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTOR | VARCHAR (97) |  |  |  |  |  |
| GRANTOR\_HOST | VARCHAR (256) |  |  |  |  |  |
| GRANTEE | CHAR (32) |  |  |  |  |  |
| GRANTEE\_HOST | CHAR (255) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (3) |  |  |  |  |  |
| TABLE\_SCHEMA | CHAR (64) |  |  |  |  |  |
| TABLE\_NAME | CHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | CHAR (64) |  |  |  |  |  |
| PRIVILEGE\_TYPE | SET (31) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ROLE\_ROUTINE\_GRANTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTOR | VARCHAR (97) |  |  |  |  |  |
| GRANTOR\_HOST | VARCHAR (256) |  |  |  |  |  |
| GRANTEE | CHAR (32) |  |  |  |  |  |
| GRANTEE\_HOST | CHAR (255) |  |  |  |  |  |
| SPECIFIC\_CATALOG | VARCHAR (3) |  |  |  |  |  |
| SPECIFIC\_SCHEMA | CHAR (64) |  |  |  |  |  |
| SPECIFIC\_NAME | CHAR (64) |  |  |  |  |  |
| ROUTINE\_CATALOG | VARCHAR (3) |  |  |  |  |  |
| ROUTINE\_SCHEMA | CHAR (64) |  |  |  |  |  |
| ROUTINE\_NAME | CHAR (64) |  |  |  |  |  |
| PRIVILEGE\_TYPE | SET (27) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ROLE\_TABLE\_GRANTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTOR | VARCHAR (97) |  |  |  |  |  |
| GRANTOR\_HOST | VARCHAR (256) |  |  |  |  |  |
| GRANTEE | CHAR (32) |  |  |  |  |  |
| GRANTEE\_HOST | CHAR (255) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (3) |  |  |  |  |  |
| TABLE\_SCHEMA | CHAR (64) |  |  |  |  |  |
| TABLE\_NAME | CHAR (64) |  |  |  |  |  |
| PRIVILEGE\_TYPE | SET (98) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ROUTINES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SPECIFIC\_NAME | VARCHAR (64) |  |  |  |  |  |
| ROUTINE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| ROUTINE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| ROUTINE\_NAME | VARCHAR (64) |  |  |  |  |  |
| ROUTINE\_TYPE | ENUM (9) |  |  |  |  |  |
| DATA\_TYPE | LONGTEXT (2147483647) |  |  |  |  |  |
| CHARACTER\_MAXIMUM\_LENGTH | BIGINT (19) |  |  |  |  |  |
| CHARACTER\_OCTET\_LENGTH | BIGINT (19) |  |  |  |  |  |
| NUMERIC\_PRECISION | INT UNSIGNED (10) |  |  |  |  |  |
| NUMERIC\_SCALE | INT UNSIGNED (10) |  |  |  |  |  |
| DATETIME\_PRECISION | INT UNSIGNED (10) |  |  |  |  |  |
| CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| DTD\_IDENTIFIER | LONGTEXT (2147483647) |  |  |  |  |  |
| ROUTINE\_BODY | VARCHAR (3) |  |  |  |  |  |
| ROUTINE\_DEFINITION | LONGTEXT (2147483647) |  |  |  |  |  |
| EXTERNAL\_NAME | BINARY (0) |  |  |  |  |  |
| EXTERNAL\_LANGUAGE | VARCHAR (64) |  |  |  |  |  |
| PARAMETER\_STYLE | VARCHAR (3) |  |  |  |  |  |
| IS\_DETERMINISTIC | VARCHAR (3) |  |  |  |  |  |
| SQL\_DATA\_ACCESS | ENUM (17) |  |  |  |  |  |
| SQL\_PATH | BINARY (0) |  |  |  |  |  |
| SECURITY\_TYPE | ENUM (7) |  |  |  |  |  |
| CREATED | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_ALTERED | TIMESTAMP (19) |  |  |  |  |  |
| SQL\_MODE | SET (520) |  |  |  |  |  |
| ROUTINE\_COMMENT | TEXT (65535) |  |  |  |  |  |
| DEFINER | VARCHAR (288) |  |  |  |  |  |
| CHARACTER\_SET\_CLIENT | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_CONNECTION | VARCHAR (64) |  |  |  |  |  |
| DATABASE\_COLLATION | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_PRIVILEGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (170) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (21) |  |  |  |  |  |
| PRIVILEGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMATA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CATALOG\_NAME | VARCHAR (64) |  |  |  |  |  |
| SCHEMA\_NAME | VARCHAR (64) |  |  |  |  |  |
| DEFAULT\_CHARACTER\_SET\_NAME | VARCHAR (64) |  |  |  |  |  |
| DEFAULT\_COLLATION\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_PATH | BINARY (0) |  |  |  |  |  |
| DEFAULT\_ENCRYPTION | ENUM (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMATA\_EXTENSIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CATALOG\_NAME | VARCHAR (64) |  |  |  |  |  |
| SCHEMA\_NAME | VARCHAR (64) |  |  |  |  |  |
| OPTIONS | VARCHAR (256) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ST\_GEOMETRY\_COLUMNS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| SRS\_NAME | VARCHAR (80) |  |  |  |  |  |
| SRS\_ID | INT UNSIGNED (10) |  |  |  |  |  |
| GEOMETRY\_TYPE\_NAME | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ST\_SPATIAL\_REFERENCE\_SYSTEMS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SRS\_NAME | VARCHAR (80) |  |  |  |  |  |
| SRS\_ID | INT UNSIGNED (10) |  |  |  |  |  |
| ORGANIZATION | VARCHAR (256) |  |  |  |  |  |
| ORGANIZATION\_COORDSYS\_ID | INT UNSIGNED (10) |  |  |  |  |  |
| DEFINITION | VARCHAR (4096) |  |  |  |  |  |
| DESCRIPTION | VARCHAR (2048) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ST\_UNITS\_OF\_MEASURE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| UNIT\_NAME | VARCHAR (255) |  |  |  |  |  |
| UNIT\_TYPE | VARCHAR (7) |  |  |  |  |  |
| CONVERSION\_FACTOR | DOUBLE (22) |  |  |  |  |  |
| DESCRIPTION | VARCHAR (255) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| NON\_UNIQUE | INT (10) |  |  |  |  |  |
| INDEX\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| SEQ\_IN\_INDEX | INT UNSIGNED (10) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLLATION | VARCHAR (1) |  |  |  |  |  |
| CARDINALITY | BIGINT (19) |  |  |  |  |  |
| SUB\_PART | BIGINT (19) |  |  |  |  |  |
| PACKED | BINARY (0) |  |  |  |  |  |
| NULLABLE | VARCHAR (3) |  |  |  |  |  |
| INDEX\_TYPE | VARCHAR (11) |  |  |  |  |  |
| COMMENT | VARCHAR (8) |  |  |  |  |  |
| INDEX\_COMMENT | VARCHAR (2048) |  |  |  |  |  |
| IS\_VISIBLE | VARCHAR (3) |  |  |  |  |  |
| EXPRESSION | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLE\_CONSTRAINTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_TYPE | VARCHAR (11) |  |  |  |  |  |
| ENFORCED | VARCHAR (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLE\_CONSTRAINTS\_EXTENSIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CONSTRAINT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| CONSTRAINT\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |
| SECONDARY\_ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLE\_PRIVILEGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (170) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (21) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (21) |  |  |  |  |  |
| PRIVILEGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_TYPE | ENUM (11) |  |  |  |  |  |
| ENGINE | VARCHAR (64) |  |  |  |  |  |
| VERSION | INT (10) |  |  |  |  |  |
| ROW\_FORMAT | ENUM (10) |  |  |  |  |  |
| TABLE\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_ROW\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| DATA\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_DATA\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| INDEX\_LENGTH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| DATA\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AUTO\_INCREMENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATE\_TIME | TIMESTAMP (19) |  |  |  |  |  |
| UPDATE\_TIME | DATETIME (19) |  |  |  |  |  |
| CHECK\_TIME | DATETIME (19) |  |  |  |  |  |
| TABLE\_COLLATION | VARCHAR (64) |  |  |  |  |  |
| CHECKSUM | BIGINT (19) |  |  |  |  |  |
| CREATE\_OPTIONS | VARCHAR (256) |  |  |  |  |  |
| TABLE\_COMMENT | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLES\_EXTENSIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |
| SECONDARY\_ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLESPACES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLESPACE\_NAME | VARCHAR (21) |  |  |  |  |  |
| ENGINE | VARCHAR (21) |  |  |  |  |  |
| TABLESPACE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| LOGFILE\_GROUP\_NAME | VARCHAR (21) |  |  |  |  |  |
| EXTENT\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| AUTOEXTEND\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| MAXIMUM\_SIZE | BIGINT UNSIGNED (0) |  |  |  |  |  |
| NODEGROUP\_ID | BIGINT UNSIGNED (0) |  |  |  |  |  |
| TABLESPACE\_COMMENT | VARCHAR (682) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLESPACES\_EXTENSIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLESPACE\_NAME | VARCHAR (268) |  |  |  |  |  |
| ENGINE\_ATTRIBUTE | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TRIGGERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TRIGGER\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TRIGGER\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TRIGGER\_NAME | VARCHAR (64) |  |  |  |  |  |
| EVENT\_MANIPULATION | ENUM (6) |  |  |  |  |  |
| EVENT\_OBJECT\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| EVENT\_OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| EVENT\_OBJECT\_TABLE | VARCHAR (64) |  |  |  |  |  |
| ACTION\_ORDER | INT UNSIGNED (10) |  |  |  |  |  |
| ACTION\_CONDITION | BINARY (0) |  |  |  |  |  |
| ACTION\_STATEMENT | LONGTEXT (2147483647) |  |  |  |  |  |
| ACTION\_ORIENTATION | VARCHAR (3) |  |  |  |  |  |
| ACTION\_TIMING | ENUM (6) |  |  |  |  |  |
| ACTION\_REFERENCE\_OLD\_TABLE | BINARY (0) |  |  |  |  |  |
| ACTION\_REFERENCE\_NEW\_TABLE | BINARY (0) |  |  |  |  |  |
| ACTION\_REFERENCE\_OLD\_ROW | VARCHAR (3) |  |  |  |  |  |
| ACTION\_REFERENCE\_NEW\_ROW | VARCHAR (3) |  |  |  |  |  |
| CREATED | TIMESTAMP (22) |  |  |  |  |  |
| SQL\_MODE | SET (520) |  |  |  |  |  |
| DEFINER | VARCHAR (288) |  |  |  |  |  |
| CHARACTER\_SET\_CLIENT | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_CONNECTION | VARCHAR (64) |  |  |  |  |  |
| DATABASE\_COLLATION | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_ATTRIBUTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| ATTRIBUTE | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_PRIVILEGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| GRANTEE | VARCHAR (97) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (170) |  |  |  |  |  |
| PRIVILEGE\_TYPE | VARCHAR (21) |  |  |  |  |  |
| IS\_GRANTABLE | VARCHAR (1) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **VIEW\_ROUTINE\_USAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| SPECIFIC\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| SPECIFIC\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| SPECIFIC\_NAME | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **VIEW\_TABLE\_USAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VIEW\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| VIEW\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| VIEW\_NAME | VARCHAR (64) |  |  |  |  |  |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **VIEWS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TABLE\_CATALOG | VARCHAR (64) |  |  |  |  |  |
| TABLE\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| TABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| VIEW\_DEFINITION | LONGTEXT (2147483647) |  |  |  |  |  |
| CHECK\_OPTION | ENUM (8) |  |  |  |  |  |
| IS\_UPDATABLE | ENUM (3) |  |  |  |  |  |
| DEFINER | VARCHAR (288) |  |  |  |  |  |
| SECURITY\_TYPE | VARCHAR (7) |  |  |  |  |  |
| CHARACTER\_SET\_CLIENT | VARCHAR (64) |  |  |  |  |  |
| COLLATION\_CONNECTION | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

## **Schema: MYSQL**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| COLUMNS\_PRIV |  |
| COMPONENT |  |
| DB |  |
| DEFAULT\_ROLES |  |
| ENGINE\_COST |  |
| FUNC |  |
| GENERAL\_LOG |  |
| GLOBAL\_GRANTS |  |
| GTID\_EXECUTED |  |
| HELP\_CATEGORY |  |
| HELP\_KEYWORD |  |
| HELP\_RELATION |  |
| HELP\_TOPIC |  |
| INNODB\_INDEX\_STATS |  |
| INNODB\_TABLE\_STATS |  |
| NDB\_BINLOG\_INDEX |  |
| PASSWORD\_HISTORY |  |
| PLUGIN |  |
| PROCS\_PRIV |  |
| PROXIES\_PRIV |  |
| REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER |  |
| REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER\_MANAGED |  |
| REPLICATION\_GROUP\_CONFIGURATION\_VERSION |  |
| REPLICATION\_GROUP\_MEMBER\_ACTIONS |  |
| ROLE\_EDGES |  |
| SERVER\_COST |  |
| SERVERS |  |
| SLAVE\_MASTER\_INFO |  |
| SLAVE\_RELAY\_LOG\_INFO |  |
| SLAVE\_WORKER\_INFO |  |
| SLOW\_LOG |  |
| TABLES\_PRIV |  |
| TIME\_ZONE |  |
| TIME\_ZONE\_LEAP\_SECOND |  |
| TIME\_ZONE\_NAME |  |
| TIME\_ZONE\_TRANSITION |  |
| TIME\_ZONE\_TRANSITION\_TYPE |  |
| USER |  |

### **COLUMNS\_PRIV**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| Db | CHAR (64) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Table\_name | CHAR (64) |  |  | PK |  |  |
| Column\_name | CHAR (64) |  |  | PK |  |  |
| Timestamp | TIMESTAMP (19) |  |  |  |  |  |
| Column\_priv | SET (31) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Db | PRIMARY KEY |  |  |
| PRIMARY | Table\_name | PRIMARY KEY |  |  |
| PRIMARY | Column\_name | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Db | UNIQUE |  |  |
| PRIMARY | Table\_name | UNIQUE |  |  |
| PRIMARY | Column\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Db, Table\_name, Column\_name |

#### **Trigger**

N/A

### **COMPONENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| component\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| component\_group\_id | INT UNSIGNED (10) |  |  |  |  |  |
| component\_urn | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | component\_id | PRIMARY KEY |  |  |
| PRIMARY | component\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | component\_id |

#### **Trigger**

N/A

### **DB**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| Db | CHAR (64) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Select\_priv | ENUM (1) |  |  |  |  |  |
| Insert\_priv | ENUM (1) |  |  |  |  |  |
| Update\_priv | ENUM (1) |  |  |  |  |  |
| Delete\_priv | ENUM (1) |  |  |  |  |  |
| Create\_priv | ENUM (1) |  |  |  |  |  |
| Drop\_priv | ENUM (1) |  |  |  |  |  |
| Grant\_priv | ENUM (1) |  |  |  |  |  |
| References\_priv | ENUM (1) |  |  |  |  |  |
| Index\_priv | ENUM (1) |  |  |  |  |  |
| Alter\_priv | ENUM (1) |  |  |  |  |  |
| Create\_tmp\_table\_priv | ENUM (1) |  |  |  |  |  |
| Lock\_tables\_priv | ENUM (1) |  |  |  |  |  |
| Create\_view\_priv | ENUM (1) |  |  |  |  |  |
| Show\_view\_priv | ENUM (1) |  |  |  |  |  |
| Create\_routine\_priv | ENUM (1) |  |  |  |  |  |
| Alter\_routine\_priv | ENUM (1) |  |  |  |  |  |
| Execute\_priv | ENUM (1) |  |  |  |  |  |
| Event\_priv | ENUM (1) |  |  |  |  |  |
| Trigger\_priv | ENUM (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Db | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Db | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Db |
| User | User |

#### **Trigger**

N/A

### **DEFAULT\_ROLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  | PK |  |  |
| USER | CHAR (32) |  |  | PK |  |  |
| DEFAULT\_ROLE\_HOST | CHAR (255) |  |  | PK |  |  |
| DEFAULT\_ROLE\_USER | CHAR (32) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | HOST | PRIMARY KEY |  |  |
| PRIMARY | USER | PRIMARY KEY |  |  |
| PRIMARY | DEFAULT\_ROLE\_HOST | PRIMARY KEY |  |  |
| PRIMARY | DEFAULT\_ROLE\_USER | PRIMARY KEY |  |  |
| PRIMARY | HOST | UNIQUE |  |  |
| PRIMARY | USER | UNIQUE |  |  |
| PRIMARY | DEFAULT\_ROLE\_HOST | UNIQUE |  |  |
| PRIMARY | DEFAULT\_ROLE\_USER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | HOST, USER, DEFAULT\_ROLE\_HOST, DEFAULT\_ROLE\_USER |

#### **Trigger**

N/A

### **ENGINE\_COST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| engine\_name | VARCHAR (64) |  |  | PK |  |  |
| device\_type | INT (10) |  |  | PK |  |  |
| cost\_name | VARCHAR (64) |  |  | PK |  |  |
| cost\_value | FLOAT (12) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |
| comment | VARCHAR (1024) |  |  |  |  |  |
| default\_value | FLOAT (12) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | cost\_name | PRIMARY KEY |  |  |
| PRIMARY | engine\_name | PRIMARY KEY |  |  |
| PRIMARY | device\_type | PRIMARY KEY |  |  |
| PRIMARY | cost\_name | UNIQUE |  |  |
| PRIMARY | engine\_name | UNIQUE |  |  |
| PRIMARY | device\_type | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | cost\_name, engine\_name, device\_type |

#### **Trigger**

N/A

### **FUNC**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| name | CHAR (64) |  |  | PK |  |  |
| ret | TINYINT (3) |  |  |  |  |  |
| dl | CHAR (128) |  |  |  |  |  |
| type | ENUM (9) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | name | PRIMARY KEY |  |  |
| PRIMARY | name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | name |

#### **Trigger**

N/A

### **GENERAL\_LOG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_time | TIMESTAMP (26) |  |  |  |  |  |
| user\_host | MEDIUMTEXT (16777215) |  |  |  |  |  |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| server\_id | INT UNSIGNED (10) |  |  |  |  |  |
| command\_type | VARCHAR (64) |  |  |  |  |  |
| argument | MEDIUMBLOB (16777215) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **GLOBAL\_GRANTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  | PK |  |  |
| HOST | CHAR (255) |  |  | PK |  |  |
| PRIV | CHAR (32) |  |  | PK |  |  |
| WITH\_GRANT\_OPTION | ENUM (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | USER | PRIMARY KEY |  |  |
| PRIMARY | HOST | PRIMARY KEY |  |  |
| PRIMARY | PRIV | PRIMARY KEY |  |  |
| PRIMARY | USER | UNIQUE |  |  |
| PRIMARY | HOST | UNIQUE |  |  |
| PRIMARY | PRIV | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | USER, HOST, PRIV |

#### **Trigger**

N/A

### **GTID\_EXECUTED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| source\_uuid | CHAR (36) |  |  | PK |  |  |
| interval\_start | BIGINT (19) |  |  | PK |  |  |
| interval\_end | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | source\_uuid | PRIMARY KEY |  |  |
| PRIMARY | interval\_start | PRIMARY KEY |  |  |
| PRIMARY | source\_uuid | UNIQUE |  |  |
| PRIMARY | interval\_start | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | source\_uuid, interval\_start |

#### **Trigger**

N/A

### **HELP\_CATEGORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| help\_category\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| name | CHAR (64) |  |  |  |  |  |
| parent\_category\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| url | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | help\_category\_id | PRIMARY KEY |  |  |
| name | name | UNIQUE |  |  |
| PRIMARY | help\_category\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| name | name |
| PRIMARY | help\_category\_id |

#### **Trigger**

N/A

### **HELP\_KEYWORD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| help\_keyword\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| name | CHAR (64) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | help\_keyword\_id | PRIMARY KEY |  |  |
| name | name | UNIQUE |  |  |
| PRIMARY | help\_keyword\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| name | name |
| PRIMARY | help\_keyword\_id |

#### **Trigger**

N/A

### **HELP\_RELATION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| help\_topic\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| help\_keyword\_id | INT UNSIGNED (10) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | help\_keyword\_id | PRIMARY KEY |  |  |
| PRIMARY | help\_topic\_id | PRIMARY KEY |  |  |
| PRIMARY | help\_keyword\_id | UNIQUE |  |  |
| PRIMARY | help\_topic\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | help\_keyword\_id, help\_topic\_id |

#### **Trigger**

N/A

### **HELP\_TOPIC**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| help\_topic\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| name | CHAR (64) |  |  |  |  |  |
| help\_category\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| description | TEXT (65535) |  |  |  |  |  |
| example | TEXT (65535) |  |  |  |  |  |
| url | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | help\_topic\_id | PRIMARY KEY |  |  |
| name | name | UNIQUE |  |  |
| PRIMARY | help\_topic\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| name | name |
| PRIMARY | help\_topic\_id |

#### **Trigger**

N/A

### **INNODB\_INDEX\_STATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| database\_name | VARCHAR (64) |  |  | PK |  |  |
| table\_name | VARCHAR (199) |  |  | PK |  |  |
| index\_name | VARCHAR (64) |  |  | PK |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |
| stat\_name | VARCHAR (64) |  |  | PK |  |  |
| stat\_value | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sample\_size | BIGINT UNSIGNED (20) |  |  |  |  |  |
| stat\_description | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | database\_name | PRIMARY KEY |  |  |
| PRIMARY | table\_name | PRIMARY KEY |  |  |
| PRIMARY | index\_name | PRIMARY KEY |  |  |
| PRIMARY | stat\_name | PRIMARY KEY |  |  |
| PRIMARY | database\_name | UNIQUE |  |  |
| PRIMARY | table\_name | UNIQUE |  |  |
| PRIMARY | index\_name | UNIQUE |  |  |
| PRIMARY | stat\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | database\_name, table\_name, index\_name, stat\_name |

#### **Trigger**

N/A

### **INNODB\_TABLE\_STATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| database\_name | VARCHAR (64) |  |  | PK |  |  |
| table\_name | VARCHAR (199) |  |  | PK |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |
| n\_rows | BIGINT UNSIGNED (20) |  |  |  |  |  |
| clustered\_index\_size | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sum\_of\_other\_index\_sizes | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | database\_name | PRIMARY KEY |  |  |
| PRIMARY | table\_name | PRIMARY KEY |  |  |
| PRIMARY | database\_name | UNIQUE |  |  |
| PRIMARY | table\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | database\_name, table\_name |

#### **Trigger**

N/A

### **NDB\_BINLOG\_INDEX**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Position | BIGINT UNSIGNED (20) |  |  |  |  |  |
| File | VARCHAR (255) |  |  |  |  |  |
| epoch | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| inserts | INT UNSIGNED (10) |  |  |  |  |  |
| updates | INT UNSIGNED (10) |  |  |  |  |  |
| deletes | INT UNSIGNED (10) |  |  |  |  |  |
| schemaops | INT UNSIGNED (10) |  |  |  |  |  |
| orig\_server\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| orig\_epoch | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| gci | INT UNSIGNED (10) |  |  |  |  |  |
| next\_position | BIGINT UNSIGNED (20) |  |  |  |  |  |
| next\_file | VARCHAR (255) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | epoch | PRIMARY KEY |  |  |
| PRIMARY | orig\_server\_id | PRIMARY KEY |  |  |
| PRIMARY | orig\_epoch | PRIMARY KEY |  |  |
| PRIMARY | epoch | UNIQUE |  |  |
| PRIMARY | orig\_server\_id | UNIQUE |  |  |
| PRIMARY | orig\_epoch | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | epoch, orig\_server\_id, orig\_epoch |

#### **Trigger**

N/A

### **PASSWORD\_HISTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Password\_timestamp | TIMESTAMP (26) |  |  | PK |  |  |
| Password | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Password\_timestamp | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Password\_timestamp | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Password\_timestamp |

#### **Trigger**

N/A

### **PLUGIN**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| name | VARCHAR (64) |  |  | PK |  |  |
| dl | VARCHAR (128) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | name | PRIMARY KEY |  |  |
| PRIMARY | name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | name |

#### **Trigger**

N/A

### **PROCS\_PRIV**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| Db | CHAR (64) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Routine\_name | CHAR (64) |  |  | PK |  |  |
| Routine\_type | ENUM (9) |  |  | PK |  |  |
| Grantor | VARCHAR (288) |  |  |  |  |  |
| Proc\_priv | SET (27) |  |  |  |  |  |
| Timestamp | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Db | PRIMARY KEY |  |  |
| PRIMARY | Routine\_name | PRIMARY KEY |  |  |
| PRIMARY | Routine\_type | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Db | UNIQUE |  |  |
| PRIMARY | Routine\_name | UNIQUE |  |  |
| PRIMARY | Routine\_type | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Db, Routine\_name, Routine\_type |
| Grantor | Grantor |

#### **Trigger**

N/A

### **PROXIES\_PRIV**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Proxied\_host | CHAR (255) |  |  | PK |  |  |
| Proxied\_user | CHAR (32) |  |  | PK |  |  |
| With\_grant | BIT (1) |  |  |  |  |  |
| Grantor | VARCHAR (288) |  |  |  |  |  |
| Timestamp | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Proxied\_host | PRIMARY KEY |  |  |
| PRIMARY | Proxied\_user | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Proxied\_host | UNIQUE |  |  |
| PRIMARY | Proxied\_user | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Proxied\_host, Proxied\_user |
| Grantor | Grantor |

#### **Trigger**

N/A

### **REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Channel\_name | CHAR (64) |  |  | PK |  |  |
| Host | CHAR (255) |  |  | PK |  |  |
| Port | INT UNSIGNED (10) |  |  | PK |  |  |
| Network\_namespace | CHAR (64) |  |  | PK |  |  |
| Weight | TINYINT UNSIGNED (3) |  |  |  |  |  |
| Managed\_name | CHAR (64) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name | PRIMARY KEY |  |  |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | Port | PRIMARY KEY |  |  |
| PRIMARY | Network\_namespace | PRIMARY KEY |  |  |
| PRIMARY | Managed\_name | PRIMARY KEY |  |  |
| PRIMARY | Channel\_name | UNIQUE |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | Port | UNIQUE |  |  |
| PRIMARY | Network\_namespace | UNIQUE |  |  |
| PRIMARY | Managed\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name, Host, Port, Network\_namespace, Managed\_name |
| Channel\_name | Channel\_name, Managed\_name |

#### **Trigger**

N/A

### **REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER\_MANAGED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Channel\_name | CHAR (64) |  |  | PK |  |  |
| Managed\_name | CHAR (64) |  |  | PK |  |  |
| Managed\_type | CHAR (64) |  |  |  |  |  |
| Configuration | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name | PRIMARY KEY |  |  |
| PRIMARY | Managed\_name | PRIMARY KEY |  |  |
| PRIMARY | Channel\_name | UNIQUE |  |  |
| PRIMARY | Managed\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name, Managed\_name |

#### **Trigger**

N/A

### **REPLICATION\_GROUP\_CONFIGURATION\_VERSION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| name | CHAR (255) |  |  | PK |  |  |
| version | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | name | PRIMARY KEY |  |  |
| PRIMARY | name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | name |

#### **Trigger**

N/A

### **REPLICATION\_GROUP\_MEMBER\_ACTIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| name | CHAR (255) |  |  | PK |  |  |
| event | CHAR (64) |  |  | PK |  |  |
| enabled | BIT (1) |  |  |  |  |  |
| type | CHAR (64) |  |  |  |  |  |
| priority | TINYINT UNSIGNED (3) |  |  |  |  |  |
| error\_handling | CHAR (64) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | name | PRIMARY KEY |  |  |
| PRIMARY | event | PRIMARY KEY |  |  |
| PRIMARY | name | UNIQUE |  |  |
| PRIMARY | event | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | name, event |
| event | event |

#### **Trigger**

N/A

### **ROLE\_EDGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FROM\_HOST | CHAR (255) |  |  | PK |  |  |
| FROM\_USER | CHAR (32) |  |  | PK |  |  |
| TO\_HOST | CHAR (255) |  |  | PK |  |  |
| TO\_USER | CHAR (32) |  |  | PK |  |  |
| WITH\_ADMIN\_OPTION | ENUM (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | FROM\_HOST | PRIMARY KEY |  |  |
| PRIMARY | FROM\_USER | PRIMARY KEY |  |  |
| PRIMARY | TO\_HOST | PRIMARY KEY |  |  |
| PRIMARY | TO\_USER | PRIMARY KEY |  |  |
| PRIMARY | FROM\_HOST | UNIQUE |  |  |
| PRIMARY | FROM\_USER | UNIQUE |  |  |
| PRIMARY | TO\_HOST | UNIQUE |  |  |
| PRIMARY | TO\_USER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | FROM\_HOST, FROM\_USER, TO\_HOST, TO\_USER |

#### **Trigger**

N/A

### **SERVER\_COST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| cost\_name | VARCHAR (64) |  |  | PK |  |  |
| cost\_value | FLOAT (12) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |
| comment | VARCHAR (1024) |  |  |  |  |  |
| default\_value | FLOAT (12) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | cost\_name | PRIMARY KEY |  |  |
| PRIMARY | cost\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | cost\_name |

#### **Trigger**

N/A

### **SERVERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Server\_name | CHAR (64) |  |  | PK |  |  |
| Host | CHAR (255) |  |  |  |  |  |
| Db | CHAR (64) |  |  |  |  |  |
| Username | CHAR (64) |  |  |  |  |  |
| Password | CHAR (64) |  |  |  |  |  |
| Port | INT (10) |  |  |  |  |  |
| Socket | CHAR (64) |  |  |  |  |  |
| Wrapper | CHAR (64) |  |  |  |  |  |
| Owner | CHAR (64) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Server\_name | PRIMARY KEY |  |  |
| PRIMARY | Server\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Server\_name |

#### **Trigger**

N/A

### **SLAVE\_MASTER\_INFO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Number\_of\_lines | INT UNSIGNED (10) |  |  |  |  |  |
| Master\_log\_name | TEXT (65535) |  |  |  |  |  |
| Master\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Host | VARCHAR (255) |  |  |  |  |  |
| User\_name | TEXT (65535) |  |  |  |  |  |
| User\_password | TEXT (65535) |  |  |  |  |  |
| Port | INT UNSIGNED (10) |  |  |  |  |  |
| Connect\_retry | INT UNSIGNED (10) |  |  |  |  |  |
| Enabled\_ssl | BIT (1) |  |  |  |  |  |
| Ssl\_ca | TEXT (65535) |  |  |  |  |  |
| Ssl\_capath | TEXT (65535) |  |  |  |  |  |
| Ssl\_cert | TEXT (65535) |  |  |  |  |  |
| Ssl\_cipher | TEXT (65535) |  |  |  |  |  |
| Ssl\_key | TEXT (65535) |  |  |  |  |  |
| Ssl\_verify\_server\_cert | BIT (1) |  |  |  |  |  |
| Heartbeat | FLOAT (12) |  |  |  |  |  |
| Bind | TEXT (65535) |  |  |  |  |  |
| Ignored\_server\_ids | TEXT (65535) |  |  |  |  |  |
| Uuid | TEXT (65535) |  |  |  |  |  |
| Retry\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Ssl\_crl | TEXT (65535) |  |  |  |  |  |
| Ssl\_crlpath | TEXT (65535) |  |  |  |  |  |
| Enabled\_auto\_position | BIT (1) |  |  |  |  |  |
| Channel\_name | VARCHAR (64) |  |  | PK |  |  |
| Tls\_version | TEXT (65535) |  |  |  |  |  |
| Public\_key\_path | TEXT (65535) |  |  |  |  |  |
| Get\_public\_key | BIT (1) |  |  |  |  |  |
| Network\_namespace | TEXT (65535) |  |  |  |  |  |
| Master\_compression\_algorithm | VARCHAR (64) |  |  |  |  |  |
| Master\_zstd\_compression\_level | INT UNSIGNED (10) |  |  |  |  |  |
| Tls\_ciphersuites | TEXT (65535) |  |  |  |  |  |
| Source\_connection\_auto\_failover | BIT (1) |  |  |  |  |  |
| Gtid\_only | BIT (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name | PRIMARY KEY |  |  |
| PRIMARY | Channel\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name |

#### **Trigger**

N/A

### **SLAVE\_RELAY\_LOG\_INFO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Number\_of\_lines | INT UNSIGNED (10) |  |  |  |  |  |
| Relay\_log\_name | TEXT (65535) |  |  |  |  |  |
| Relay\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Master\_log\_name | TEXT (65535) |  |  |  |  |  |
| Master\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Sql\_delay | INT (10) |  |  |  |  |  |
| Number\_of\_workers | INT UNSIGNED (10) |  |  |  |  |  |
| Id | INT UNSIGNED (10) |  |  |  |  |  |
| Channel\_name | VARCHAR (64) |  |  | PK |  |  |
| Privilege\_checks\_username | VARCHAR (32) |  |  |  |  |  |
| Privilege\_checks\_hostname | VARCHAR (255) |  |  |  |  |  |
| Require\_row\_format | BIT (1) |  |  |  |  |  |
| Require\_table\_primary\_key\_check | ENUM (8) |  |  |  |  |  |
| Assign\_gtids\_to\_anonymous\_transactions\_type | ENUM (5) |  |  |  |  |  |
| Assign\_gtids\_to\_anonymous\_transactions\_value | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name | PRIMARY KEY |  |  |
| PRIMARY | Channel\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name |

#### **Trigger**

N/A

### **SLAVE\_WORKER\_INFO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Id | INT UNSIGNED (10) |  |  | PK |  |  |
| Relay\_log\_name | TEXT (65535) |  |  |  |  |  |
| Relay\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Master\_log\_name | TEXT (65535) |  |  |  |  |  |
| Master\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Checkpoint\_relay\_log\_name | TEXT (65535) |  |  |  |  |  |
| Checkpoint\_relay\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Checkpoint\_master\_log\_name | TEXT (65535) |  |  |  |  |  |
| Checkpoint\_master\_log\_pos | BIGINT UNSIGNED (20) |  |  |  |  |  |
| Checkpoint\_seqno | INT UNSIGNED (10) |  |  |  |  |  |
| Checkpoint\_group\_size | INT UNSIGNED (10) |  |  |  |  |  |
| Checkpoint\_group\_bitmap | BLOB (65535) |  |  |  |  |  |
| Channel\_name | VARCHAR (64) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name | PRIMARY KEY |  |  |
| PRIMARY | Id | PRIMARY KEY |  |  |
| PRIMARY | Channel\_name | UNIQUE |  |  |
| PRIMARY | Id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Channel\_name, Id |

#### **Trigger**

N/A

### **SLOW\_LOG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| start\_time | TIMESTAMP (26) |  |  |  |  |  |
| user\_host | MEDIUMTEXT (16777215) |  |  |  |  |  |
| query\_time | TIME (15) |  |  |  |  |  |
| lock\_time | TIME (15) |  |  |  |  |  |
| rows\_sent | INT (10) |  |  |  |  |  |
| rows\_examined | INT (10) |  |  |  |  |  |
| db | VARCHAR (512) |  |  |  |  |  |
| last\_insert\_id | INT (10) |  |  |  |  |  |
| insert\_id | INT (10) |  |  |  |  |  |
| server\_id | INT UNSIGNED (10) |  |  |  |  |  |
| sql\_text | MEDIUMBLOB (16777215) |  |  |  |  |  |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **TABLES\_PRIV**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| Db | CHAR (64) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Table\_name | CHAR (64) |  |  | PK |  |  |
| Grantor | VARCHAR (288) |  |  |  |  |  |
| Timestamp | TIMESTAMP (19) |  |  |  |  |  |
| Table\_priv | SET (98) |  |  |  |  |  |
| Column\_priv | SET (31) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Db | PRIMARY KEY |  |  |
| PRIMARY | Table\_name | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |
| PRIMARY | Db | UNIQUE |  |  |
| PRIMARY | Table\_name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User, Db, Table\_name |
| Grantor | Grantor |

#### **Trigger**

N/A

### **TIME\_ZONE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Time\_zone\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| Use\_leap\_seconds | ENUM (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id | PRIMARY KEY |  |  |
| PRIMARY | Time\_zone\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id |

#### **Trigger**

N/A

### **TIME\_ZONE\_LEAP\_SECOND**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Transition\_time | BIGINT (19) |  |  | PK |  |  |
| Correction | INT (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Transition\_time | PRIMARY KEY |  |  |
| PRIMARY | Transition\_time | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Transition\_time |

#### **Trigger**

N/A

### **TIME\_ZONE\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Name | CHAR (64) |  |  | PK |  |  |
| Time\_zone\_id | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Name | PRIMARY KEY |  |  |
| PRIMARY | Name | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Name |

#### **Trigger**

N/A

### **TIME\_ZONE\_TRANSITION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Time\_zone\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| Transition\_time | BIGINT (19) |  |  | PK |  |  |
| Transition\_type\_id | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id | PRIMARY KEY |  |  |
| PRIMARY | Transition\_time | PRIMARY KEY |  |  |
| PRIMARY | Time\_zone\_id | UNIQUE |  |  |
| PRIMARY | Transition\_time | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id, Transition\_time |

#### **Trigger**

N/A

### **TIME\_ZONE\_TRANSITION\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Time\_zone\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| Transition\_type\_id | INT UNSIGNED (10) |  |  | PK |  |  |
| Offset | INT (10) |  |  |  |  |  |
| Is\_DST | TINYINT UNSIGNED (3) |  |  |  |  |  |
| Abbreviation | CHAR (8) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id | PRIMARY KEY |  |  |
| PRIMARY | Transition\_type\_id | PRIMARY KEY |  |  |
| PRIMARY | Time\_zone\_id | UNIQUE |  |  |
| PRIMARY | Transition\_type\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Time\_zone\_id, Transition\_type\_id |

#### **Trigger**

N/A

### **USER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Host | CHAR (255) |  |  | PK |  |  |
| User | CHAR (32) |  |  | PK |  |  |
| Select\_priv | ENUM (1) |  |  |  |  |  |
| Insert\_priv | ENUM (1) |  |  |  |  |  |
| Update\_priv | ENUM (1) |  |  |  |  |  |
| Delete\_priv | ENUM (1) |  |  |  |  |  |
| Create\_priv | ENUM (1) |  |  |  |  |  |
| Drop\_priv | ENUM (1) |  |  |  |  |  |
| Reload\_priv | ENUM (1) |  |  |  |  |  |
| Shutdown\_priv | ENUM (1) |  |  |  |  |  |
| Process\_priv | ENUM (1) |  |  |  |  |  |
| File\_priv | ENUM (1) |  |  |  |  |  |
| Grant\_priv | ENUM (1) |  |  |  |  |  |
| References\_priv | ENUM (1) |  |  |  |  |  |
| Index\_priv | ENUM (1) |  |  |  |  |  |
| Alter\_priv | ENUM (1) |  |  |  |  |  |
| Show\_db\_priv | ENUM (1) |  |  |  |  |  |
| Super\_priv | ENUM (1) |  |  |  |  |  |
| Create\_tmp\_table\_priv | ENUM (1) |  |  |  |  |  |
| Lock\_tables\_priv | ENUM (1) |  |  |  |  |  |
| Execute\_priv | ENUM (1) |  |  |  |  |  |
| Repl\_slave\_priv | ENUM (1) |  |  |  |  |  |
| Repl\_client\_priv | ENUM (1) |  |  |  |  |  |
| Create\_view\_priv | ENUM (1) |  |  |  |  |  |
| Show\_view\_priv | ENUM (1) |  |  |  |  |  |
| Create\_routine\_priv | ENUM (1) |  |  |  |  |  |
| Alter\_routine\_priv | ENUM (1) |  |  |  |  |  |
| Create\_user\_priv | ENUM (1) |  |  |  |  |  |
| Event\_priv | ENUM (1) |  |  |  |  |  |
| Trigger\_priv | ENUM (1) |  |  |  |  |  |
| Create\_tablespace\_priv | ENUM (1) |  |  |  |  |  |
| ssl\_type | ENUM (9) |  |  |  |  |  |
| ssl\_cipher | BLOB (65535) |  |  |  |  |  |
| x509\_issuer | BLOB (65535) |  |  |  |  |  |
| x509\_subject | BLOB (65535) |  |  |  |  |  |
| max\_questions | INT UNSIGNED (10) |  |  |  |  |  |
| max\_updates | INT UNSIGNED (10) |  |  |  |  |  |
| max\_connections | INT UNSIGNED (10) |  |  |  |  |  |
| max\_user\_connections | INT UNSIGNED (10) |  |  |  |  |  |
| plugin | CHAR (64) |  |  |  |  |  |
| authentication\_string | TEXT (65535) |  |  |  |  |  |
| password\_expired | ENUM (1) |  |  |  |  |  |
| password\_last\_changed | TIMESTAMP (19) |  |  |  |  |  |
| password\_lifetime | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| account\_locked | ENUM (1) |  |  |  |  |  |
| Create\_role\_priv | ENUM (1) |  |  |  |  |  |
| Drop\_role\_priv | ENUM (1) |  |  |  |  |  |
| Password\_reuse\_history | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| Password\_reuse\_time | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| Password\_require\_current | ENUM (1) |  |  |  |  |  |
| User\_attributes | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Host | PRIMARY KEY |  |  |
| PRIMARY | User | PRIMARY KEY |  |  |
| PRIMARY | Host | UNIQUE |  |  |
| PRIMARY | User | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Host, User |

#### **Trigger**

N/A

## **Schema: PERFORMANCE\_SCHEMA**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| ACCOUNTS |  |
| BINARY\_LOG\_TRANSACTION\_COMPRESSION\_STATS |  |
| COND\_INSTANCES |  |
| DATA\_LOCK\_WAITS |  |
| DATA\_LOCKS |  |
| ERROR\_LOG |  |
| EVENTS\_ERRORS\_SUMMARY\_BY\_ACCOUNT\_BY\_ERROR |  |
| EVENTS\_ERRORS\_SUMMARY\_BY\_HOST\_BY\_ERROR |  |
| EVENTS\_ERRORS\_SUMMARY\_BY\_THREAD\_BY\_ERROR |  |
| EVENTS\_ERRORS\_SUMMARY\_BY\_USER\_BY\_ERROR |  |
| EVENTS\_ERRORS\_SUMMARY\_GLOBAL\_BY\_ERROR |  |
| EVENTS\_STAGES\_CURRENT |  |
| EVENTS\_STAGES\_HISTORY |  |
| EVENTS\_STAGES\_HISTORY\_LONG |  |
| EVENTS\_STAGES\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME |  |
| EVENTS\_STAGES\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME |  |
| EVENTS\_STAGES\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME |  |
| EVENTS\_STAGES\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME |  |
| EVENTS\_STAGES\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME |  |
| EVENTS\_STATEMENTS\_CURRENT |  |
| EVENTS\_STATEMENTS\_HISTOGRAM\_BY\_DIGEST |  |
| EVENTS\_STATEMENTS\_HISTOGRAM\_GLOBAL |  |
| EVENTS\_STATEMENTS\_HISTORY |  |
| EVENTS\_STATEMENTS\_HISTORY\_LONG |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_DIGEST |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_PROGRAM |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME |  |
| EVENTS\_STATEMENTS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME |  |
| EVENTS\_STATEMENTS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME |  |
| EVENTS\_TRANSACTIONS\_CURRENT |  |
| EVENTS\_TRANSACTIONS\_HISTORY |  |
| EVENTS\_TRANSACTIONS\_HISTORY\_LONG |  |
| EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME |  |
| EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME |  |
| EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME |  |
| EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME |  |
| EVENTS\_TRANSACTIONS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME |  |
| EVENTS\_WAITS\_CURRENT |  |
| EVENTS\_WAITS\_HISTORY |  |
| EVENTS\_WAITS\_HISTORY\_LONG |  |
| EVENTS\_WAITS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME |  |
| EVENTS\_WAITS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME |  |
| EVENTS\_WAITS\_SUMMARY\_BY\_INSTANCE |  |
| EVENTS\_WAITS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME |  |
| EVENTS\_WAITS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME |  |
| EVENTS\_WAITS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME |  |
| FILE\_INSTANCES |  |
| FILE\_SUMMARY\_BY\_EVENT\_NAME |  |
| FILE\_SUMMARY\_BY\_INSTANCE |  |
| GLOBAL\_STATUS |  |
| GLOBAL\_VARIABLES |  |
| HOST\_CACHE |  |
| HOSTS |  |
| INNODB\_REDO\_LOG\_FILES |  |
| KEYRING\_COMPONENT\_STATUS |  |
| KEYRING\_KEYS |  |
| LOG\_STATUS |  |
| MEMORY\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME |  |
| MEMORY\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME |  |
| MEMORY\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME |  |
| MEMORY\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME |  |
| MEMORY\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME |  |
| METADATA\_LOCKS |  |
| MUTEX\_INSTANCES |  |
| OBJECTS\_SUMMARY\_GLOBAL\_BY\_TYPE |  |
| PERFORMANCE\_TIMERS |  |
| PERSISTED\_VARIABLES |  |
| PREPARED\_STATEMENTS\_INSTANCES |  |
| PROCESSLIST |  |
| REPLICATION\_APPLIER\_CONFIGURATION |  |
| REPLICATION\_APPLIER\_FILTERS |  |
| REPLICATION\_APPLIER\_GLOBAL\_FILTERS |  |
| REPLICATION\_APPLIER\_STATUS |  |
| REPLICATION\_APPLIER\_STATUS\_BY\_COORDINATOR |  |
| REPLICATION\_APPLIER\_STATUS\_BY\_WORKER |  |
| REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER |  |
| REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER\_MANAGED |  |
| REPLICATION\_CONNECTION\_CONFIGURATION |  |
| REPLICATION\_CONNECTION\_STATUS |  |
| REPLICATION\_GROUP\_MEMBER\_STATS |  |
| REPLICATION\_GROUP\_MEMBERS |  |
| RWLOCK\_INSTANCES |  |
| SESSION\_ACCOUNT\_CONNECT\_ATTRS |  |
| SESSION\_CONNECT\_ATTRS |  |
| SESSION\_STATUS |  |
| SESSION\_VARIABLES |  |
| SETUP\_ACTORS |  |
| SETUP\_CONSUMERS |  |
| SETUP\_INSTRUMENTS |  |
| SETUP\_OBJECTS |  |
| SETUP\_THREADS |  |
| SOCKET\_INSTANCES |  |
| SOCKET\_SUMMARY\_BY\_EVENT\_NAME |  |
| SOCKET\_SUMMARY\_BY\_INSTANCE |  |
| STATUS\_BY\_ACCOUNT |  |
| STATUS\_BY\_HOST |  |
| STATUS\_BY\_THREAD |  |
| STATUS\_BY\_USER |  |
| TABLE\_HANDLES |  |
| TABLE\_IO\_WAITS\_SUMMARY\_BY\_INDEX\_USAGE |  |
| TABLE\_IO\_WAITS\_SUMMARY\_BY\_TABLE |  |
| TABLE\_LOCK\_WAITS\_SUMMARY\_BY\_TABLE |  |
| THREADS |  |
| TLS\_CHANNEL\_STATUS |  |
| USER\_DEFINED\_FUNCTIONS |  |
| USER\_VARIABLES\_BY\_THREAD |  |
| USERS |  |
| VARIABLES\_BY\_THREAD |  |
| VARIABLES\_INFO |  |

### **ACCOUNTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| CURRENT\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| TOTAL\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| MAX\_SESSION\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_SESSION\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST |

#### **Trigger**

N/A

### **BINARY\_LOG\_TRANSACTION\_COMPRESSION\_STATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| LOG\_TYPE | ENUM (6) |  |  |  |  |  |
| COMPRESSION\_TYPE | VARCHAR (64) |  |  |  |  |  |
| TRANSACTION\_COUNTER | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COMPRESSED\_BYTES\_COUNTER | BIGINT UNSIGNED (20) |  |  |  |  |  |
| UNCOMPRESSED\_BYTES\_COUNTER | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COMPRESSION\_PERCENTAGE | SMALLINT (5) |  |  |  |  |  |
| FIRST\_TRANSACTION\_ID | TEXT (65535) |  |  |  |  |  |
| FIRST\_TRANSACTION\_COMPRESSED\_BYTES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_TRANSACTION\_UNCOMPRESSED\_BYTES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_TRANSACTION\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_TRANSACTION\_ID | TEXT (65535) |  |  |  |  |  |
| LAST\_TRANSACTION\_COMPRESSED\_BYTES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LAST\_TRANSACTION\_UNCOMPRESSED\_BYTES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LAST\_TRANSACTION\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **COND\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| NAME | NAME |

#### **Trigger**

N/A

### **DATA\_LOCK\_WAITS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ENGINE | VARCHAR (32) |  |  |  |  |  |
| REQUESTING\_ENGINE\_LOCK\_ID | VARCHAR (128) |  |  |  |  |  |
| REQUESTING\_ENGINE\_TRANSACTION\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| REQUESTING\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| REQUESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| REQUESTING\_OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BLOCKING\_ENGINE\_LOCK\_ID | VARCHAR (128) |  |  |  |  |  |
| BLOCKING\_ENGINE\_TRANSACTION\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BLOCKING\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BLOCKING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BLOCKING\_OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| BLOCKING\_ENGINE\_LOCK\_ID | BLOCKING\_ENGINE\_LOCK\_ID, ENGINE |
| BLOCKING\_ENGINE\_TRANSACTION\_ID | BLOCKING\_ENGINE\_TRANSACTION\_ID, ENGINE |
| BLOCKING\_THREAD\_ID | BLOCKING\_THREAD\_ID, BLOCKING\_EVENT\_ID |
| REQUESTING\_ENGINE\_LOCK\_ID | REQUESTING\_ENGINE\_LOCK\_ID, ENGINE |
| REQUESTING\_ENGINE\_TRANSACTION\_ID | REQUESTING\_ENGINE\_TRANSACTION\_ID, ENGINE |
| REQUESTING\_THREAD\_ID | REQUESTING\_THREAD\_ID, REQUESTING\_EVENT\_ID |

#### **Trigger**

N/A

### **DATA\_LOCKS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ENGINE | VARCHAR (32) |  |  | PK |  |  |
| ENGINE\_LOCK\_ID | VARCHAR (128) |  |  | PK |  |  |
| ENGINE\_TRANSACTION\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| PARTITION\_NAME | VARCHAR (64) |  |  |  |  |  |
| SUBPARTITION\_NAME | VARCHAR (64) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOCK\_TYPE | VARCHAR (32) |  |  |  |  |  |
| LOCK\_MODE | VARCHAR (32) |  |  |  |  |  |
| LOCK\_STATUS | VARCHAR (32) |  |  |  |  |  |
| LOCK\_DATA | VARCHAR (8192) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | ENGINE\_LOCK\_ID | PRIMARY KEY |  |  |
| PRIMARY | ENGINE | PRIMARY KEY |  |  |
| PRIMARY | ENGINE\_LOCK\_ID | UNIQUE |  |  |
| PRIMARY | ENGINE | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | ENGINE\_LOCK\_ID, ENGINE |
| ENGINE\_TRANSACTION\_ID | ENGINE\_TRANSACTION\_ID, ENGINE |
| OBJECT\_SCHEMA | OBJECT\_SCHEMA, OBJECT\_NAME, PARTITION\_NAME, SUBPARTITION\_NAME |
| THREAD\_ID | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **ERROR\_LOG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| LOGGED | TIMESTAMP (26) |  |  | PK |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| PRIO | ENUM (7) |  |  |  |  |  |
| ERROR\_CODE | VARCHAR (10) |  |  |  |  |  |
| SUBSYSTEM | VARCHAR (7) |  |  |  |  |  |
| DATA | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | LOGGED | PRIMARY KEY |  |  |
| PRIMARY | LOGGED | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | LOGGED |
| ERROR\_CODE | ERROR\_CODE |
| PRIO | PRIO |
| SUBSYSTEM | SUBSYSTEM |
| THREAD\_ID | THREAD\_ID |

#### **Trigger**

N/A

### **EVENTS\_ERRORS\_SUMMARY\_BY\_ACCOUNT\_BY\_ERROR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| ERROR\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_STATE | VARCHAR (5) |  |  |  |  |  |
| SUM\_ERROR\_RAISED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERROR\_HANDLED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | ERROR\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, ERROR\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_ERRORS\_SUMMARY\_BY\_HOST\_BY\_ERROR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| ERROR\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_STATE | VARCHAR (5) |  |  |  |  |  |
| SUM\_ERROR\_RAISED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERROR\_HANDLED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | ERROR\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, ERROR\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_ERRORS\_SUMMARY\_BY\_THREAD\_BY\_ERROR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| ERROR\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_STATE | VARCHAR (5) |  |  |  |  |  |
| SUM\_ERROR\_RAISED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERROR\_HANDLED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| THREAD\_ID | THREAD\_ID | UNIQUE |  |  |
| THREAD\_ID | ERROR\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| THREAD\_ID | THREAD\_ID, ERROR\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_ERRORS\_SUMMARY\_BY\_USER\_BY\_ERROR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| ERROR\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_STATE | VARCHAR (5) |  |  |  |  |  |
| SUM\_ERROR\_RAISED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERROR\_HANDLED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | ERROR\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, ERROR\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_ERRORS\_SUMMARY\_GLOBAL\_BY\_ERROR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| ERROR\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_STATE | VARCHAR (5) |  |  |  |  |  |
| SUM\_ERROR\_RAISED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERROR\_HANDLED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ERROR\_NUMBER | ERROR\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ERROR\_NUMBER | ERROR\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_CURRENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_COMPLETED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_ESTIMATED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_HISTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_COMPLETED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_ESTIMATED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_HISTORY\_LONG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_COMPLETED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WORK\_ESTIMATED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **EVENTS\_STAGES\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STAGES\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_CURRENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SQL\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| DIGEST | VARCHAR (64) |  |  |  |  |  |
| DIGEST\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| CURRENT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MYSQL\_ERRNO | INT (10) |  |  |  |  |  |
| RETURNED\_SQLSTATE | VARCHAR (5) |  |  |  |  |  |
| MESSAGE\_TEXT | VARCHAR (128) |  |  |  |  |  |
| ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| NESTING\_EVENT\_LEVEL | INT (10) |  |  |  |  |  |
| STATEMENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_HISTOGRAM\_BY\_DIGEST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SCHEMA\_NAME | VARCHAR (64) |  |  |  |  |  |
| DIGEST | VARCHAR (64) |  |  |  |  |  |
| BUCKET\_NUMBER | INT UNSIGNED (10) |  |  |  |  |  |
| BUCKET\_TIMER\_LOW | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BUCKET\_TIMER\_HIGH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_BUCKET | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_BUCKET\_AND\_LOWER | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BUCKET\_QUANTILE | DOUBLE (7) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| SCHEMA\_NAME | SCHEMA\_NAME | UNIQUE |  |  |
| SCHEMA\_NAME | DIGEST | UNIQUE |  |  |
| SCHEMA\_NAME | BUCKET\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| SCHEMA\_NAME | SCHEMA\_NAME, DIGEST, BUCKET\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_HISTOGRAM\_GLOBAL**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| BUCKET\_NUMBER | INT UNSIGNED (10) |  |  | PK |  |  |
| BUCKET\_TIMER\_LOW | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BUCKET\_TIMER\_HIGH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_BUCKET | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_BUCKET\_AND\_LOWER | BIGINT UNSIGNED (20) |  |  |  |  |  |
| BUCKET\_QUANTILE | DOUBLE (7) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | BUCKET\_NUMBER | PRIMARY KEY |  |  |
| PRIMARY | BUCKET\_NUMBER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | BUCKET\_NUMBER |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_HISTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SQL\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| DIGEST | VARCHAR (64) |  |  |  |  |  |
| DIGEST\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| CURRENT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MYSQL\_ERRNO | INT (10) |  |  |  |  |  |
| RETURNED\_SQLSTATE | VARCHAR (5) |  |  |  |  |  |
| MESSAGE\_TEXT | VARCHAR (128) |  |  |  |  |  |
| ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| NESTING\_EVENT\_LEVEL | INT (10) |  |  |  |  |  |
| STATEMENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_HISTORY\_LONG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SQL\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| DIGEST | VARCHAR (64) |  |  |  |  |  |
| DIGEST\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| CURRENT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MYSQL\_ERRNO | INT (10) |  |  |  |  |  |
| RETURNED\_SQLSTATE | VARCHAR (5) |  |  |  |  |  |
| MESSAGE\_TEXT | VARCHAR (128) |  |  |  |  |  |
| ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| NESTING\_EVENT\_LEVEL | INT (10) |  |  |  |  |  |
| STATEMENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_DIGEST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SCHEMA\_NAME | VARCHAR (64) |  |  |  |  |  |
| DIGEST | VARCHAR (64) |  |  |  |  |  |
| DIGEST\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (26) |  |  |  |  |  |
| QUANTILE\_95 | BIGINT UNSIGNED (20) |  |  |  |  |  |
| QUANTILE\_99 | BIGINT UNSIGNED (20) |  |  |  |  |  |
| QUANTILE\_999 | BIGINT UNSIGNED (20) |  |  |  |  |  |
| QUERY\_SAMPLE\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| QUERY\_SAMPLE\_SEEN | TIMESTAMP (26) |  |  |  |  |  |
| QUERY\_SAMPLE\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| SCHEMA\_NAME | SCHEMA\_NAME | UNIQUE |  |  |
| SCHEMA\_NAME | DIGEST | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| SCHEMA\_NAME | SCHEMA\_NAME, DIGEST |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_PROGRAM**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | ENUM (9) |  |  | PK |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  | PK |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_STATEMENTS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_STATEMENTS\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_STATEMENTS\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_STATEMENTS\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_STATEMENTS\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_TYPE | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_SCHEMA | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_TYPE | UNIQUE |  |  |
| PRIMARY | OBJECT\_SCHEMA | UNIQUE |  |  |
| PRIMARY | OBJECT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_STATEMENTS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_CURRENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| STATE | ENUM (11) |  |  |  |  |  |
| TRX\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| GTID | VARCHAR (64) |  |  |  |  |  |
| XID\_FORMAT\_ID | INT (10) |  |  |  |  |  |
| XID\_GTRID | VARCHAR (130) |  |  |  |  |  |
| XID\_BQUAL | VARCHAR (130) |  |  |  |  |  |
| XA\_STATE | VARCHAR (64) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ACCESS\_MODE | ENUM (10) |  |  |  |  |  |
| ISOLATION\_LEVEL | VARCHAR (64) |  |  |  |  |  |
| AUTOCOMMIT | ENUM (3) |  |  |  |  |  |
| NUMBER\_OF\_SAVEPOINTS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_ROLLBACK\_TO\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_RELEASE\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_HISTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| STATE | ENUM (11) |  |  |  |  |  |
| TRX\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| GTID | VARCHAR (64) |  |  |  |  |  |
| XID\_FORMAT\_ID | INT (10) |  |  |  |  |  |
| XID\_GTRID | VARCHAR (130) |  |  |  |  |  |
| XID\_BQUAL | VARCHAR (130) |  |  |  |  |  |
| XA\_STATE | VARCHAR (64) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ACCESS\_MODE | ENUM (10) |  |  |  |  |  |
| ISOLATION\_LEVEL | VARCHAR (64) |  |  |  |  |  |
| AUTOCOMMIT | ENUM (3) |  |  |  |  |  |
| NUMBER\_OF\_SAVEPOINTS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_ROLLBACK\_TO\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_RELEASE\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_HISTORY\_LONG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| STATE | ENUM (11) |  |  |  |  |  |
| TRX\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| GTID | VARCHAR (64) |  |  |  |  |  |
| XID\_FORMAT\_ID | INT (10) |  |  |  |  |  |
| XID\_GTRID | VARCHAR (130) |  |  |  |  |  |
| XID\_BQUAL | VARCHAR (130) |  |  |  |  |  |
| XA\_STATE | VARCHAR (64) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ACCESS\_MODE | ENUM (10) |  |  |  |  |  |
| ISOLATION\_LEVEL | VARCHAR (64) |  |  |  |  |  |
| AUTOCOMMIT | ENUM (3) |  |  |  |  |  |
| NUMBER\_OF\_SAVEPOINTS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_ROLLBACK\_TO\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NUMBER\_OF\_RELEASE\_SAVEPOINT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_TRANSACTIONS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_ONLY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_CURRENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SPINS | INT UNSIGNED (10) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (512) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| OPERATION | VARCHAR (32) |  |  |  |  |  |
| NUMBER\_OF\_BYTES | BIGINT (19) |  |  |  |  |  |
| FLAGS | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_HISTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SPINS | INT UNSIGNED (10) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (512) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| OPERATION | VARCHAR (32) |  |  |  |  |  |
| NUMBER\_OF\_BYTES | BIGINT (19) |  |  |  |  |  |
| FLAGS | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_ID |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_HISTORY\_LONG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| END\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| TIMER\_START | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_END | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SPINS | INT UNSIGNED (10) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (512) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| NESTING\_EVENT\_TYPE | ENUM (11) |  |  |  |  |  |
| OPERATION | VARCHAR (32) |  |  |  |  |  |
| NUMBER\_OF\_BYTES | BIGINT (19) |  |  |  |  |  |
| FLAGS | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_BY\_INSTANCE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| EVENT\_NAME | EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, EVENT\_NAME |

#### **Trigger**

N/A

### **EVENTS\_WAITS\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **FILE\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FILE\_NAME | VARCHAR (512) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| OPEN\_COUNT | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | FILE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | FILE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | FILE\_NAME |
| EVENT\_NAME | EVENT\_NAME |

#### **Trigger**

N/A

### **FILE\_SUMMARY\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_READ | BIGINT (19) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_WRITE | BIGINT (19) |  |  |  |  |  |
| COUNT\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **FILE\_SUMMARY\_BY\_INSTANCE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FILE\_NAME | VARCHAR (512) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_READ | BIGINT (19) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_WRITE | BIGINT (19) |  |  |  |  |  |
| COUNT\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| EVENT\_NAME | EVENT\_NAME |
| FILE\_NAME | FILE\_NAME |

#### **Trigger**

N/A

### **GLOBAL\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME |

#### **Trigger**

N/A

### **GLOBAL\_VARIABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME |

#### **Trigger**

N/A

### **HOST\_CACHE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| IP | VARCHAR (64) |  |  | PK |  |  |
| HOST | VARCHAR (255) |  |  |  |  |  |
| HOST\_VALIDATED | ENUM (3) |  |  |  |  |  |
| SUM\_CONNECT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_HOST\_BLOCKED\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_NAMEINFO\_TRANSIENT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_NAMEINFO\_PERMANENT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_FORMAT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_ADDRINFO\_TRANSIENT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_ADDRINFO\_PERMANENT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_FCRDNS\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_HOST\_ACL\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_NO\_AUTH\_PLUGIN\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_AUTH\_PLUGIN\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_HANDSHAKE\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_PROXY\_USER\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_PROXY\_USER\_ACL\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_AUTHENTICATION\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_SSL\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_MAX\_USER\_CONNECTIONS\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_MAX\_USER\_CONNECTIONS\_PER\_HOUR\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_DEFAULT\_DATABASE\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_INIT\_CONNECT\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_LOCAL\_ERRORS | BIGINT (19) |  |  |  |  |  |
| COUNT\_UNKNOWN\_ERRORS | BIGINT (19) |  |  |  |  |  |
| FIRST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| FIRST\_ERROR\_SEEN | TIMESTAMP (19) |  |  |  |  |  |
| LAST\_ERROR\_SEEN | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | IP | PRIMARY KEY |  |  |
| PRIMARY | IP | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | IP |
| HOST | HOST |

#### **Trigger**

N/A

### **HOSTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| CURRENT\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| TOTAL\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| MAX\_SESSION\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_SESSION\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST |

#### **Trigger**

N/A

### **INNODB\_REDO\_LOG\_FILES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FILE\_ID | BIGINT (19) |  |  |  |  |  |
| FILE\_NAME | VARCHAR (2000) |  |  |  |  |  |
| START\_LSN | BIGINT (19) |  |  |  |  |  |
| END\_LSN | BIGINT (19) |  |  |  |  |  |
| SIZE\_IN\_BYTES | BIGINT (19) |  |  |  |  |  |
| IS\_FULL | TINYINT (3) |  |  |  |  |  |
| CONSUMER\_LEVEL | INT (10) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **KEYRING\_COMPONENT\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| STATUS\_KEY | VARCHAR (256) |  |  |  |  |  |
| STATUS\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **KEYRING\_KEYS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| KEY\_ID | VARCHAR (255) |  |  |  |  |  |
| KEY\_OWNER | VARCHAR (255) |  |  |  |  |  |
| BACKEND\_KEY\_ID | VARCHAR (255) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **LOG\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| SERVER\_UUID | CHAR (36) |  |  |  |  |  |
| LOCAL | JSON (1073741824) |  |  |  |  |  |
| REPLICATION | JSON (1073741824) |  |  |  |  |  |
| STORAGE\_ENGINES | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_SUMMARY\_BY\_ACCOUNT\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOW\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| LOW\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **MEMORY\_SUMMARY\_BY\_HOST\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOW\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| LOW\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, EVENT\_NAME |

#### **Trigger**

N/A

### **MEMORY\_SUMMARY\_BY\_THREAD\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOW\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| LOW\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, EVENT\_NAME |

#### **Trigger**

N/A

### **MEMORY\_SUMMARY\_BY\_USER\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| COUNT\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOW\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| LOW\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, EVENT\_NAME |

#### **Trigger**

N/A

### **MEMORY\_SUMMARY\_GLOBAL\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_ALLOC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_FREE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LOW\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_COUNT\_USED | BIGINT (19) |  |  |  |  |  |
| LOW\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| CURRENT\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |
| HIGH\_NUMBER\_OF\_BYTES\_USED | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **METADATA\_LOCKS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| COLUMN\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| LOCK\_TYPE | VARCHAR (32) |  |  |  |  |  |
| LOCK\_DURATION | VARCHAR (32) |  |  |  |  |  |
| LOCK\_STATUS | VARCHAR (32) |  |  |  |  |  |
| SOURCE | VARCHAR (64) |  |  |  |  |  |
| OWNER\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OWNER\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| OBJECT\_TYPE | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME, COLUMN\_NAME |
| OWNER\_THREAD\_ID | OWNER\_THREAD\_ID, OWNER\_EVENT\_ID |

#### **Trigger**

N/A

### **MUTEX\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| LOCKED\_BY\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| LOCKED\_BY\_THREAD\_ID | LOCKED\_BY\_THREAD\_ID |
| NAME | NAME |

#### **Trigger**

N/A

### **OBJECTS\_SUMMARY\_GLOBAL\_BY\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE | UNIQUE |  |  |
| OBJECT | OBJECT\_SCHEMA | UNIQUE |  |  |
| OBJECT | OBJECT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |

#### **Trigger**

N/A

### **PERFORMANCE\_TIMERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| TIMER\_NAME | ENUM (11) |  |  |  |  |  |
| TIMER\_FREQUENCY | BIGINT (19) |  |  |  |  |  |
| TIMER\_RESOLUTION | BIGINT (19) |  |  |  |  |  |
| TIMER\_OVERHEAD | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PERSISTED\_VARIABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME |

#### **Trigger**

N/A

### **PREPARED\_STATEMENTS\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| STATEMENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| STATEMENT\_NAME | VARCHAR (64) |  |  |  |  |  |
| SQL\_TEXT | LONGTEXT (2147483647) |  |  |  |  |  |
| OWNER\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OWNER\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OWNER\_OBJECT\_TYPE | ENUM (9) |  |  |  |  |  |
| OWNER\_OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OWNER\_OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |
| TIMER\_PREPARE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_REPREPARE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_EXECUTE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_EXECUTE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_EXECUTE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_EXECUTE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_EXECUTE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_LOCK\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ERRORS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_WARNINGS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_AFFECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_SENT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_ROWS\_EXAMINED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_DISK\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CREATED\_TMP\_TABLES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_FULL\_RANGE\_JOIN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_RANGE\_CHECK | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SELECT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_MERGE\_PASSES | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_RANGE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_ROWS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_SORT\_SCAN | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NO\_GOOD\_INDEX\_USED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_CPU\_TIME | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_SECONDARY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| OWNER\_THREAD\_ID | OWNER\_THREAD\_ID | UNIQUE |  |  |
| OWNER\_THREAD\_ID | OWNER\_EVENT\_ID | UNIQUE |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OWNER\_THREAD\_ID | OWNER\_THREAD\_ID, OWNER\_EVENT\_ID |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| OWNER\_OBJECT\_TYPE | OWNER\_OBJECT\_TYPE, OWNER\_OBJECT\_SCHEMA, OWNER\_OBJECT\_NAME |
| STATEMENT\_ID | STATEMENT\_ID |
| STATEMENT\_NAME | STATEMENT\_NAME |

#### **Trigger**

N/A

### **PROCESSLIST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| USER | VARCHAR (32) |  |  |  |  |  |
| HOST | VARCHAR (261) |  |  |  |  |  |
| DB | VARCHAR (64) |  |  |  |  |  |
| COMMAND | VARCHAR (16) |  |  |  |  |  |
| TIME | BIGINT (19) |  |  |  |  |  |
| STATE | VARCHAR (64) |  |  |  |  |  |
| INFO | LONGTEXT (2147483647) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | ID | PRIMARY KEY |  |  |
| PRIMARY | ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | ID |

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_CONFIGURATION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| DESIRED\_DELAY | INT (10) |  |  |  |  |  |
| PRIVILEGE\_CHECKS\_USER | TEXT (65535) |  |  |  |  |  |
| REQUIRE\_ROW\_FORMAT | ENUM (3) |  |  |  |  |  |
| REQUIRE\_TABLE\_PRIMARY\_KEY\_CHECK | ENUM (8) |  |  |  |  |  |
| ASSIGN\_GTIDS\_TO\_ANONYMOUS\_TRANSACTIONS\_TYPE | ENUM (5) |  |  |  |  |  |
| ASSIGN\_GTIDS\_TO\_ANONYMOUS\_TRANSACTIONS\_VALUE | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME |

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_FILTERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  |  |  |  |
| FILTER\_NAME | CHAR (64) |  |  |  |  |  |
| FILTER\_RULE | LONGTEXT (2147483647) |  |  |  |  |  |
| CONFIGURED\_BY | ENUM (37) |  |  |  |  |  |
| ACTIVE\_SINCE | TIMESTAMP (26) |  |  |  |  |  |
| COUNTER | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_GLOBAL\_FILTERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| FILTER\_NAME | CHAR (64) |  |  |  |  |  |
| FILTER\_RULE | LONGTEXT (2147483647) |  |  |  |  |  |
| CONFIGURED\_BY | ENUM (25) |  |  |  |  |  |
| ACTIVE\_SINCE | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| SERVICE\_STATE | ENUM (3) |  |  |  |  |  |
| REMAINING\_DELAY | INT UNSIGNED (10) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_RETRIES | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME |

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_STATUS\_BY\_COORDINATOR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SERVICE\_STATE | ENUM (3) |  |  |  |  |  |
| LAST\_ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| LAST\_ERROR\_MESSAGE | VARCHAR (1024) |  |  |  |  |  |
| LAST\_ERROR\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_PROCESSED\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| LAST\_PROCESSED\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_PROCESSED\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_PROCESSED\_TRANSACTION\_START\_BUFFER\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_PROCESSED\_TRANSACTION\_END\_BUFFER\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| PROCESSING\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| PROCESSING\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| PROCESSING\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| PROCESSING\_TRANSACTION\_START\_BUFFER\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME |
| THREAD\_ID | THREAD\_ID |

#### **Trigger**

N/A

### **REPLICATION\_APPLIER\_STATUS\_BY\_WORKER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| WORKER\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SERVICE\_STATE | ENUM (3) |  |  |  |  |  |
| LAST\_ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| LAST\_ERROR\_MESSAGE | VARCHAR (1024) |  |  |  |  |  |
| LAST\_ERROR\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_START\_APPLY\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_END\_APPLY\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| APPLYING\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_START\_APPLY\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_RETRIES\_COUNT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_MESSAGE | VARCHAR (1024) |  |  |  |  |  |
| LAST\_APPLIED\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_RETRIES\_COUNT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_MESSAGE | VARCHAR (1024) |  |  |  |  |  |
| APPLYING\_TRANSACTION\_LAST\_TRANSIENT\_ERROR\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | WORKER\_ID | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |
| PRIMARY | WORKER\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME, WORKER\_ID |
| THREAD\_ID | THREAD\_ID |

#### **Trigger**

N/A

### **REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| PORT | INT (10) |  |  |  |  |  |
| NETWORK\_NAMESPACE | CHAR (64) |  |  |  |  |  |
| WEIGHT | INT UNSIGNED (10) |  |  |  |  |  |
| MANAGED\_NAME | CHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REPLICATION\_ASYNCHRONOUS\_CONNECTION\_FAILOVER\_MANAGED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  |  |  |  |
| MANAGED\_NAME | CHAR (64) |  |  |  |  |  |
| MANAGED\_TYPE | CHAR (64) |  |  |  |  |  |
| CONFIGURATION | JSON (1073741824) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REPLICATION\_CONNECTION\_CONFIGURATION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| PORT | INT (10) |  |  |  |  |  |
| USER | CHAR (32) |  |  |  |  |  |
| NETWORK\_INTERFACE | CHAR (60) |  |  |  |  |  |
| AUTO\_POSITION | ENUM (1) |  |  |  |  |  |
| SSL\_ALLOWED | ENUM (7) |  |  |  |  |  |
| SSL\_CA\_FILE | VARCHAR (512) |  |  |  |  |  |
| SSL\_CA\_PATH | VARCHAR (512) |  |  |  |  |  |
| SSL\_CERTIFICATE | VARCHAR (512) |  |  |  |  |  |
| SSL\_CIPHER | VARCHAR (512) |  |  |  |  |  |
| SSL\_KEY | VARCHAR (512) |  |  |  |  |  |
| SSL\_VERIFY\_SERVER\_CERTIFICATE | ENUM (3) |  |  |  |  |  |
| SSL\_CRL\_FILE | VARCHAR (255) |  |  |  |  |  |
| SSL\_CRL\_PATH | VARCHAR (255) |  |  |  |  |  |
| CONNECTION\_RETRY\_INTERVAL | INT (10) |  |  |  |  |  |
| CONNECTION\_RETRY\_COUNT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| HEARTBEAT\_INTERVAL | DOUBLE (10) |  |  |  |  |  |
| TLS\_VERSION | VARCHAR (255) |  |  |  |  |  |
| PUBLIC\_KEY\_PATH | VARCHAR (512) |  |  |  |  |  |
| GET\_PUBLIC\_KEY | ENUM (3) |  |  |  |  |  |
| NETWORK\_NAMESPACE | VARCHAR (64) |  |  |  |  |  |
| COMPRESSION\_ALGORITHM | CHAR (64) |  |  |  |  |  |
| ZSTD\_COMPRESSION\_LEVEL | INT (10) |  |  |  |  |  |
| TLS\_CIPHERSUITES | TEXT (65535) |  |  |  |  |  |
| SOURCE\_CONNECTION\_AUTO\_FAILOVER | ENUM (1) |  |  |  |  |  |
| GTID\_ONLY | ENUM (1) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME |

#### **Trigger**

N/A

### **REPLICATION\_CONNECTION\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  | PK |  |  |
| GROUP\_NAME | CHAR (36) |  |  |  |  |  |
| SOURCE\_UUID | CHAR (36) |  |  |  |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SERVICE\_STATE | ENUM (10) |  |  |  |  |  |
| COUNT\_RECEIVED\_HEARTBEATS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| LAST\_HEARTBEAT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| RECEIVED\_TRANSACTION\_SET | LONGTEXT (2147483647) |  |  |  |  |  |
| LAST\_ERROR\_NUMBER | INT (10) |  |  |  |  |  |
| LAST\_ERROR\_MESSAGE | VARCHAR (1024) |  |  |  |  |  |
| LAST\_ERROR\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_QUEUED\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| LAST\_QUEUED\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_QUEUED\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_QUEUED\_TRANSACTION\_START\_QUEUE\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| LAST\_QUEUED\_TRANSACTION\_END\_QUEUE\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| QUEUEING\_TRANSACTION | CHAR (57) |  |  |  |  |  |
| QUEUEING\_TRANSACTION\_ORIGINAL\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| QUEUEING\_TRANSACTION\_IMMEDIATE\_COMMIT\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |
| QUEUEING\_TRANSACTION\_START\_QUEUE\_TIMESTAMP | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME | PRIMARY KEY |  |  |
| PRIMARY | CHANNEL\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CHANNEL\_NAME |
| THREAD\_ID | THREAD\_ID |

#### **Trigger**

N/A

### **REPLICATION\_GROUP\_MEMBER\_STATS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  |  |  |  |
| VIEW\_ID | CHAR (60) |  |  |  |  |  |
| MEMBER\_ID | CHAR (36) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_IN\_QUEUE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_CHECKED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_CONFLICTS\_DETECTED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_ROWS\_VALIDATING | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TRANSACTIONS\_COMMITTED\_ALL\_MEMBERS | LONGTEXT (2147483647) |  |  |  |  |  |
| LAST\_CONFLICT\_FREE\_TRANSACTION | TEXT (65535) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_REMOTE\_IN\_APPLIER\_QUEUE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_REMOTE\_APPLIED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_LOCAL\_PROPOSED | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_TRANSACTIONS\_LOCAL\_ROLLBACK | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **REPLICATION\_GROUP\_MEMBERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL\_NAME | CHAR (64) |  |  |  |  |  |
| MEMBER\_ID | CHAR (36) |  |  |  |  |  |
| MEMBER\_HOST | CHAR (255) |  |  |  |  |  |
| MEMBER\_PORT | INT (10) |  |  |  |  |  |
| MEMBER\_STATE | CHAR (64) |  |  |  |  |  |
| MEMBER\_ROLE | CHAR (64) |  |  |  |  |  |
| MEMBER\_VERSION | CHAR (64) |  |  |  |  |  |
| MEMBER\_COMMUNICATION\_STACK | CHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **RWLOCK\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| WRITE\_LOCKED\_BY\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| READ\_LOCKED\_BY\_COUNT | INT UNSIGNED (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| NAME | NAME |
| WRITE\_LOCKED\_BY\_THREAD\_ID | WRITE\_LOCKED\_BY\_THREAD\_ID |

#### **Trigger**

N/A

### **SESSION\_ACCOUNT\_CONNECT\_ATTRS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| PROCESSLIST\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| ATTR\_NAME | VARCHAR (32) |  |  | PK |  |  |
| ATTR\_VALUE | VARCHAR (1024) |  |  |  |  |  |
| ORDINAL\_POSITION | INT (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | PROCESSLIST\_ID | PRIMARY KEY |  |  |
| PRIMARY | ATTR\_NAME | PRIMARY KEY |  |  |
| PRIMARY | PROCESSLIST\_ID | UNIQUE |  |  |
| PRIMARY | ATTR\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | PROCESSLIST\_ID, ATTR\_NAME |

#### **Trigger**

N/A

### **SESSION\_CONNECT\_ATTRS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| PROCESSLIST\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| ATTR\_NAME | VARCHAR (32) |  |  | PK |  |  |
| ATTR\_VALUE | VARCHAR (1024) |  |  |  |  |  |
| ORDINAL\_POSITION | INT (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | PROCESSLIST\_ID | PRIMARY KEY |  |  |
| PRIMARY | ATTR\_NAME | PRIMARY KEY |  |  |
| PRIMARY | PROCESSLIST\_ID | UNIQUE |  |  |
| PRIMARY | ATTR\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | PROCESSLIST\_ID, ATTR\_NAME |

#### **Trigger**

N/A

### **SESSION\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME |

#### **Trigger**

N/A

### **SESSION\_VARIABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | VARIABLE\_NAME |

#### **Trigger**

N/A

### **SETUP\_ACTORS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  | PK |  |  |
| USER | CHAR (32) |  |  | PK |  |  |
| ROLE | CHAR (32) |  |  | PK |  |  |
| ENABLED | ENUM (3) |  |  |  |  |  |
| HISTORY | ENUM (3) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | HOST | PRIMARY KEY |  |  |
| PRIMARY | USER | PRIMARY KEY |  |  |
| PRIMARY | ROLE | PRIMARY KEY |  |  |
| PRIMARY | HOST | UNIQUE |  |  |
| PRIMARY | USER | UNIQUE |  |  |
| PRIMARY | ROLE | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | HOST, USER, ROLE |

#### **Trigger**

N/A

### **SETUP\_CONSUMERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (64) |  |  | PK |  |  |
| ENABLED | ENUM (3) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | NAME | PRIMARY KEY |  |  |
| PRIMARY | NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | NAME |

#### **Trigger**

N/A

### **SETUP\_INSTRUMENTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (128) |  |  | PK |  |  |
| ENABLED | ENUM (3) |  |  |  |  |  |
| TIMED | ENUM (3) |  |  |  |  |  |
| PROPERTIES | SET (71) |  |  |  |  |  |
| FLAGS | SET (10) |  |  |  |  |  |
| VOLATILITY | INT (10) |  |  |  |  |  |
| DOCUMENTATION | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | NAME | PRIMARY KEY |  |  |
| PRIMARY | NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | NAME |

#### **Trigger**

N/A

### **SETUP\_OBJECTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | ENUM (9) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| ENABLED | ENUM (3) |  |  |  |  |  |
| TIMED | ENUM (3) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE | UNIQUE |  |  |
| OBJECT | OBJECT\_SCHEMA | UNIQUE |  |  |
| OBJECT | OBJECT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |

#### **Trigger**

N/A

### **SETUP\_THREADS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| NAME | VARCHAR (128) |  |  | PK |  |  |
| ENABLED | ENUM (3) |  |  |  |  |  |
| HISTORY | ENUM (3) |  |  |  |  |  |
| PROPERTIES | SET (14) |  |  |  |  |  |
| VOLATILITY | INT (10) |  |  |  |  |  |
| DOCUMENTATION | LONGTEXT (2147483647) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | NAME | PRIMARY KEY |  |  |
| PRIMARY | NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | NAME |

#### **Trigger**

N/A

### **SOCKET\_INSTANCES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SOCKET\_ID | INT (10) |  |  |  |  |  |
| IP | VARCHAR (64) |  |  |  |  |  |
| PORT | INT (10) |  |  |  |  |  |
| STATE | ENUM (6) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| IP | IP, PORT |
| SOCKET\_ID | SOCKET\_ID |
| THREAD\_ID | THREAD\_ID |

#### **Trigger**

N/A

### **SOCKET\_SUMMARY\_BY\_EVENT\_NAME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME | PRIMARY KEY |  |  |
| PRIMARY | EVENT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | EVENT\_NAME |

#### **Trigger**

N/A

### **SOCKET\_SUMMARY\_BY\_INSTANCE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| EVENT\_NAME | VARCHAR (128) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_NUMBER\_OF\_BYTES\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_MISC | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| EVENT\_NAME | EVENT\_NAME |

#### **Trigger**

N/A

### **STATUS\_BY\_ACCOUNT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| HOST | CHAR (255) |  |  |  |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| ACCOUNT | USER | UNIQUE |  |  |
| ACCOUNT | HOST | UNIQUE |  |  |
| ACCOUNT | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| ACCOUNT | USER, HOST, VARIABLE\_NAME |

#### **Trigger**

N/A

### **STATUS\_BY\_HOST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| HOST | CHAR (255) |  |  |  |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| HOST | HOST | UNIQUE |  |  |
| HOST | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| HOST | HOST, VARIABLE\_NAME |

#### **Trigger**

N/A

### **STATUS\_BY\_THREAD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, VARIABLE\_NAME |

#### **Trigger**

N/A

### **STATUS\_BY\_USER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |
| USER | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER, VARIABLE\_NAME |

#### **Trigger**

N/A

### **TABLE\_HANDLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_INSTANCE\_BEGIN | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| OWNER\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| OWNER\_EVENT\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| INTERNAL\_LOCK | VARCHAR (64) |  |  |  |  |  |
| EXTERNAL\_LOCK | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | PRIMARY KEY |  |  |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | OBJECT\_INSTANCE\_BEGIN |
| OBJECT\_TYPE | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |
| OWNER\_THREAD\_ID | OWNER\_THREAD\_ID, OWNER\_EVENT\_ID |

#### **Trigger**

N/A

### **TABLE\_IO\_WAITS\_SUMMARY\_BY\_INDEX\_USAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| INDEX\_NAME | VARCHAR (64) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE | UNIQUE |  |  |
| OBJECT | OBJECT\_SCHEMA | UNIQUE |  |  |
| OBJECT | OBJECT\_NAME | UNIQUE |  |  |
| OBJECT | INDEX\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME, INDEX\_NAME |

#### **Trigger**

N/A

### **TABLE\_IO\_WAITS\_SUMMARY\_BY\_TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_FETCH | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_UPDATE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_DELETE | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE | UNIQUE |  |  |
| OBJECT | OBJECT\_SCHEMA | UNIQUE |  |  |
| OBJECT | OBJECT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |

#### **Trigger**

N/A

### **TABLE\_LOCK\_WAITS\_SUMMARY\_BY\_TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| OBJECT\_TYPE | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_SCHEMA | VARCHAR (64) |  |  |  |  |  |
| OBJECT\_NAME | VARCHAR (64) |  |  |  |  |  |
| COUNT\_STAR | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WAIT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_WITH\_SHARED\_LOCKS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_WITH\_SHARED\_LOCKS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_WITH\_SHARED\_LOCKS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_WITH\_SHARED\_LOCKS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_WITH\_SHARED\_LOCKS | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_HIGH\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_HIGH\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_HIGH\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_HIGH\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_HIGH\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_NO\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_NO\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_NO\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_NO\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_NO\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_READ\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_READ\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_READ\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_READ\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_READ\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE\_ALLOW\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE\_ALLOW\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE\_ALLOW\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE\_ALLOW\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE\_ALLOW\_WRITE | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE\_CONCURRENT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE\_CONCURRENT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE\_CONCURRENT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE\_CONCURRENT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE\_CONCURRENT\_INSERT | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE\_LOW\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE\_LOW\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE\_LOW\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE\_LOW\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE\_LOW\_PRIORITY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE\_NORMAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| COUNT\_WRITE\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| SUM\_TIMER\_WRITE\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MIN\_TIMER\_WRITE\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| AVG\_TIMER\_WRITE\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TIMER\_WRITE\_EXTERNAL | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE | UNIQUE |  |  |
| OBJECT | OBJECT\_SCHEMA | UNIQUE |  |  |
| OBJECT | OBJECT\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| OBJECT | OBJECT\_TYPE, OBJECT\_SCHEMA, OBJECT\_NAME |

#### **Trigger**

N/A

### **THREADS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| NAME | VARCHAR (128) |  |  |  |  |  |
| TYPE | VARCHAR (10) |  |  |  |  |  |
| PROCESSLIST\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| PROCESSLIST\_USER | VARCHAR (32) |  |  |  |  |  |
| PROCESSLIST\_HOST | VARCHAR (255) |  |  |  |  |  |
| PROCESSLIST\_DB | VARCHAR (64) |  |  |  |  |  |
| PROCESSLIST\_COMMAND | VARCHAR (16) |  |  |  |  |  |
| PROCESSLIST\_TIME | BIGINT (19) |  |  |  |  |  |
| PROCESSLIST\_STATE | VARCHAR (64) |  |  |  |  |  |
| PROCESSLIST\_INFO | LONGTEXT (2147483647) |  |  |  |  |  |
| PARENT\_THREAD\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ROLE | VARCHAR (64) |  |  |  |  |  |
| INSTRUMENTED | ENUM (3) |  |  |  |  |  |
| HISTORY | ENUM (3) |  |  |  |  |  |
| CONNECTION\_TYPE | VARCHAR (16) |  |  |  |  |  |
| THREAD\_OS\_ID | BIGINT UNSIGNED (20) |  |  |  |  |  |
| RESOURCE\_GROUP | VARCHAR (64) |  |  |  |  |  |
| EXECUTION\_ENGINE | ENUM (9) |  |  |  |  |  |
| CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| TELEMETRY\_ACTIVE | ENUM (3) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID |
| NAME | NAME |
| PROCESSLIST\_ACCOUNT | PROCESSLIST\_USER, PROCESSLIST\_HOST |
| PROCESSLIST\_HOST | PROCESSLIST\_HOST |
| PROCESSLIST\_ID | PROCESSLIST\_ID |
| RESOURCE\_GROUP | RESOURCE\_GROUP |
| THREAD\_OS\_ID | THREAD\_OS\_ID |

#### **Trigger**

N/A

### **TLS\_CHANNEL\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CHANNEL | VARCHAR (128) |  |  |  |  |  |
| PROPERTY | VARCHAR (128) |  |  |  |  |  |
| VALUE | VARCHAR (2048) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_DEFINED\_FUNCTIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| UDF\_NAME | VARCHAR (64) |  |  | PK |  |  |
| UDF\_RETURN\_TYPE | VARCHAR (20) |  |  |  |  |  |
| UDF\_TYPE | VARCHAR (20) |  |  |  |  |  |
| UDF\_LIBRARY | VARCHAR (1024) |  |  |  |  |  |
| UDF\_USAGE\_COUNT | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | UDF\_NAME | PRIMARY KEY |  |  |
| PRIMARY | UDF\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | UDF\_NAME |

#### **Trigger**

N/A

### **USER\_VARIABLES\_BY\_THREAD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | LONGBLOB (2147483647) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, VARIABLE\_NAME |

#### **Trigger**

N/A

### **USERS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| USER | CHAR (32) |  |  |  |  |  |
| CURRENT\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| TOTAL\_CONNECTIONS | BIGINT (19) |  |  |  |  |  |
| MAX\_SESSION\_CONTROLLED\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |
| MAX\_SESSION\_TOTAL\_MEMORY | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| USER | USER | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| USER | USER |

#### **Trigger**

N/A

### **VARIABLES\_BY\_THREAD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| THREAD\_ID | BIGINT UNSIGNED (20) |  |  | PK |  |  |
| VARIABLE\_NAME | VARCHAR (64) |  |  | PK |  |  |
| VARIABLE\_VALUE | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID | PRIMARY KEY |  |  |
| PRIMARY | VARIABLE\_NAME | PRIMARY KEY |  |  |
| PRIMARY | THREAD\_ID | UNIQUE |  |  |
| PRIMARY | VARIABLE\_NAME | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | THREAD\_ID, VARIABLE\_NAME |

#### **Trigger**

N/A

### **VARIABLES\_INFO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| VARIABLE\_NAME | VARCHAR (64) |  |  |  |  |  |
| VARIABLE\_SOURCE | ENUM (12) |  |  |  |  |  |
| VARIABLE\_PATH | VARCHAR (1024) |  |  |  |  |  |
| MIN\_VALUE | VARCHAR (64) |  |  |  |  |  |
| MAX\_VALUE | VARCHAR (64) |  |  |  |  |  |
| SET\_TIME | TIMESTAMP (26) |  |  |  |  |  |
| SET\_USER | CHAR (32) |  |  |  |  |  |
| SET\_HOST | CHAR (255) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

## **Schema: SAKILA**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| ACTOR |  |
| ACTOR\_INFO |  |
| ADDRESS |  |
| CATEGORY |  |
| CITY |  |
| COUNTRY |  |
| CUSTOMER |  |
| CUSTOMER\_LIST |  |
| FILM |  |
| FILM\_ACTOR |  |
| FILM\_CATEGORY |  |
| FILM\_LIST |  |
| FILM\_TEXT |  |
| INVENTORY |  |
| LANGUAGE |  |
| NICER\_BUT\_SLOWER\_FILM\_LIST |  |
| PAYMENT |  |
| RENTAL |  |
| SALES\_BY\_FILM\_CATEGORY |  |
| SALES\_BY\_STORE |  |
| STAFF |  |
| STAFF\_LIST |  |
| STORE |  |

### **ACTOR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| actor\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | actor\_id | PRIMARY KEY |  |  |
| PRIMARY | actor\_id | UNIQUE |  |  |
| unique\_actor | actor\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | actor\_id |
| unique\_actor | actor\_id |

#### **Trigger**

N/A

### **ACTOR\_INFO**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **ADDRESS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| address\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| address | VARCHAR (50) |  |  |  |  |  |
| address2 | VARCHAR (50) |  |  |  |  |  |
| district | VARCHAR (20) |  |  |  |  |  |
| city\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| postal\_code | VARCHAR (10) |  |  |  |  |  |
| phone | VARCHAR (20) |  |  |  |  |  |
| location | GEOMETRY (65535) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | address\_id | PRIMARY KEY |  |  |
| fk\_address\_city | city\_id | FOREIGN KEY | city | city\_id |
| PRIMARY | address\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | address\_id |
| idx\_fk\_city\_id | city\_id |
| idx\_location | location |

#### **Trigger**

N/A

### **CATEGORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| category\_id | TINYINT UNSIGNED (3) |  |  | PK |  |  |
| name | VARCHAR (25) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | category\_id | PRIMARY KEY |  |  |
| PRIMARY | category\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | category\_id |

#### **Trigger**

N/A

### **CITY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| city\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| city | VARCHAR (50) |  |  |  |  |  |
| country\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | city\_id | PRIMARY KEY |  |  |
| fk\_city\_country | country\_id | FOREIGN KEY | country | country\_id |
| PRIMARY | city\_id | UNIQUE |  |  |
| unique\_key | city\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | city\_id |
| unique\_key | city\_id |
| idx\_fk\_country\_id | country\_id |

#### **Trigger**

N/A

### **COUNTRY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| country\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| country | VARCHAR (50) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | country\_id | PRIMARY KEY |  |  |
| PRIMARY | country\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | country\_id |

#### **Trigger**

N/A

### **CUSTOMER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| customer\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| store\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| first\_name | VARCHAR (45) |  |  |  |  |  |
| last\_name | VARCHAR (45) |  |  |  |  |  |
| address\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| create\_date | DATETIME (19) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | customer\_id | PRIMARY KEY |  |  |
| fk\_customer\_address | address\_id | FOREIGN KEY | address | address\_id |
| fk\_customer\_store | store\_id | FOREIGN KEY | store | store\_id |
| PRIMARY | customer\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | customer\_id |
| idx\_fk\_address\_id | address\_id |
| idx\_fk\_store\_id | store\_id |
| idx\_last\_name | last\_name |

#### **Trigger**

N/A

### **CUSTOMER\_LIST**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **FILM**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| film\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| title | VARCHAR (128) |  |  |  |  |  |
| description | TEXT (65535) |  |  |  |  |  |
| release\_year | YEAR (4) |  |  |  |  |  |
| language\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| original\_language\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| rental\_duration | TINYINT UNSIGNED (3) |  |  |  |  |  |
| rental\_rate | DECIMAL (4) |  |  |  |  |  |
| length | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| replacement\_cost | DECIMAL (5) |  |  |  |  |  |
| rating | ENUM (5) |  |  |  |  |  |
| special\_features | SET (54) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id | PRIMARY KEY |  |  |
| fk\_film\_language | language\_id | FOREIGN KEY | language | language\_id |
| fk\_film\_language\_original | original\_language\_id | FOREIGN KEY | language | language\_id |
| PRIMARY | film\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id |
| idx\_fk\_language\_id | language\_id |
| idx\_fk\_original\_language\_id | original\_language\_id |
| idx\_title | title |

#### **Trigger**

N/A

### **FILM\_ACTOR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| actor\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| film\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | actor\_id | PRIMARY KEY |  |  |
| PRIMARY | film\_id | PRIMARY KEY |  |  |
| fk\_film\_actor\_actor | actor\_id | FOREIGN KEY | actor | actor\_id |
| fk\_film\_actor\_film | film\_id | FOREIGN KEY | film | film\_id |
| PRIMARY | actor\_id | UNIQUE |  |  |
| PRIMARY | film\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | actor\_id, film\_id |
| idx\_fk\_film\_id | film\_id |

#### **Trigger**

N/A

### **FILM\_CATEGORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| film\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| category\_id | TINYINT UNSIGNED (3) |  |  | PK |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id | PRIMARY KEY |  |  |
| PRIMARY | category\_id | PRIMARY KEY |  |  |
| fk\_film\_category\_category | category\_id | FOREIGN KEY | category | category\_id |
| fk\_film\_category\_film | film\_id | FOREIGN KEY | film | film\_id |
| PRIMARY | film\_id | UNIQUE |  |  |
| PRIMARY | category\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id, category\_id |
| fk\_film\_category\_category | category\_id |

#### **Trigger**

N/A

### **FILM\_LIST**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **FILM\_TEXT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| film\_id | SMALLINT (5) |  |  | PK |  |  |
| title | VARCHAR (255) |  |  |  |  |  |
| description | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id | PRIMARY KEY |  |  |
| PRIMARY | film\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | film\_id |
| idx\_title\_description | title, description |

#### **Trigger**

N/A

### **INVENTORY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| inventory\_id | MEDIUMINT UNSIGNED (8) |  |  | PK |  |  |
| film\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| store\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | inventory\_id | PRIMARY KEY |  |  |
| fk\_inventory\_film | film\_id | FOREIGN KEY | film | film\_id |
| fk\_inventory\_store | store\_id | FOREIGN KEY | store | store\_id |
| PRIMARY | inventory\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | inventory\_id |
| idx\_fk\_film\_id | film\_id |
| idx\_store\_id\_film\_id | store\_id, film\_id |

#### **Trigger**

N/A

### **LANGUAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| language\_id | TINYINT UNSIGNED (3) |  |  | PK |  |  |
| name | CHAR (20) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | language\_id | PRIMARY KEY |  |  |
| PRIMARY | language\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | language\_id |

#### **Trigger**

N/A

### **NICER\_BUT\_SLOWER\_FILM\_LIST**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PAYMENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| payment\_id | SMALLINT UNSIGNED (5) |  |  | PK |  |  |
| customer\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| staff\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| rental\_id | INT (10) |  |  |  |  |  |
| payment\_date | DATETIME (19) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | payment\_id | PRIMARY KEY |  |  |
| fk\_payment\_customer | customer\_id | FOREIGN KEY | customer | customer\_id |
| fk\_payment\_rental | rental\_id | FOREIGN KEY | rental | rental\_id |
| fk\_payment\_staff | staff\_id | FOREIGN KEY | staff | staff\_id |
| PRIMARY | payment\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | payment\_id |
| fk\_payment\_rental | rental\_id |
| idx\_fk\_customer\_id | customer\_id |
| idx\_fk\_staff\_id | staff\_id |

#### **Trigger**

N/A

### **RENTAL**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| rental\_id | INT (10) |  |  | PK |  |  |
| rental\_date | DATETIME (19) |  |  |  |  |  |
| inventory\_id | MEDIUMINT UNSIGNED (8) |  |  |  |  |  |
| customer\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| return\_date | DATETIME (19) |  |  |  |  |  |
| staff\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | rental\_id | PRIMARY KEY |  |  |
| fk\_rental\_customer | customer\_id | FOREIGN KEY | customer | customer\_id |
| fk\_rental\_inventory | inventory\_id | FOREIGN KEY | inventory | inventory\_id |
| fk\_rental\_staff | staff\_id | FOREIGN KEY | staff | staff\_id |
| PRIMARY | rental\_id | UNIQUE |  |  |
| rental\_date | rental\_date | UNIQUE |  |  |
| rental\_date | inventory\_id | UNIQUE |  |  |
| rental\_date | customer\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | rental\_id |
| rental\_date | rental\_date, inventory\_id, customer\_id |
| idx\_fk\_customer\_id | customer\_id |
| idx\_fk\_inventory\_id | inventory\_id |
| idx\_fk\_staff\_id | staff\_id |

#### **Trigger**

N/A

### **SALES\_BY\_FILM\_CATEGORY**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SALES\_BY\_STORE**

N/A

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STAFF**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| staff\_id | TINYINT UNSIGNED (3) |  |  | PK |  |  |
| first\_name | VARCHAR (45) |  |  |  |  |  |
| last\_name | VARCHAR (45) |  |  |  |  |  |
| address\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| picture | BLOB (65535) |  |  |  |  |  |
| store\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| active | BIT (1) |  |  |  |  |  |
| username | VARCHAR (16) |  |  |  |  |  |
| password | VARCHAR (40) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | staff\_id | PRIMARY KEY |  |  |
| fk\_staff\_address | address\_id | FOREIGN KEY | address | address\_id |
| fk\_staff\_store | store\_id | FOREIGN KEY | store | store\_id |
| PRIMARY | staff\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | staff\_id |
| idx\_fk\_address\_id | address\_id |
| idx\_fk\_store\_id | store\_id |

#### **Trigger**

N/A

### **STAFF\_LIST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | TINYINT UNSIGNED (3) |  |  |  |  |  |
| name | VARCHAR (91) |  |  |  |  |  |
| address | VARCHAR (50) |  |  |  |  |  |
| zip code | VARCHAR (10) |  |  |  |  |  |
| phone | VARCHAR (20) |  |  |  |  |  |
| city | VARCHAR (50) |  |  |  |  |  |
| country | VARCHAR (50) |  |  |  |  |  |
| SID | TINYINT UNSIGNED (3) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STORE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| store\_id | TINYINT UNSIGNED (3) |  |  | PK |  |  |
| manager\_staff\_id | TINYINT UNSIGNED (3) |  |  |  |  |  |
| address\_id | SMALLINT UNSIGNED (5) |  |  |  |  |  |
| last\_update | TIMESTAMP (19) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | store\_id | PRIMARY KEY |  |  |
| fk\_store\_address | address\_id | FOREIGN KEY | address | address\_id |
| fk\_store\_staff | manager\_staff\_id | FOREIGN KEY | staff | staff\_id |
| idx\_unique\_manager | manager\_staff\_id | UNIQUE |  |  |
| PRIMARY | store\_id | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| idx\_unique\_manager | manager\_staff\_id |
| PRIMARY | store\_id |
| idx\_fk\_address\_id | address\_id |

#### **Trigger**

N/A

## **Schema: SYS**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| HOST\_SUMMARY |  |
| HOST\_SUMMARY\_BY\_FILE\_IO |  |
| HOST\_SUMMARY\_BY\_FILE\_IO\_TYPE |  |
| HOST\_SUMMARY\_BY\_STAGES |  |
| HOST\_SUMMARY\_BY\_STATEMENT\_LATENCY |  |
| HOST\_SUMMARY\_BY\_STATEMENT\_TYPE |  |
| INNODB\_BUFFER\_STATS\_BY\_SCHEMA |  |
| INNODB\_BUFFER\_STATS\_BY\_TABLE |  |
| INNODB\_LOCK\_WAITS |  |
| IO\_BY\_THREAD\_BY\_LATENCY |  |
| IO\_GLOBAL\_BY\_FILE\_BY\_BYTES |  |
| IO\_GLOBAL\_BY\_FILE\_BY\_LATENCY |  |
| IO\_GLOBAL\_BY\_WAIT\_BY\_BYTES |  |
| IO\_GLOBAL\_BY\_WAIT\_BY\_LATENCY |  |
| LATEST\_FILE\_IO |  |
| MEMORY\_BY\_HOST\_BY\_CURRENT\_BYTES |  |
| MEMORY\_BY\_THREAD\_BY\_CURRENT\_BYTES |  |
| MEMORY\_BY\_USER\_BY\_CURRENT\_BYTES |  |
| MEMORY\_GLOBAL\_BY\_CURRENT\_BYTES |  |
| MEMORY\_GLOBAL\_TOTAL |  |
| METRICS |  |
| PROCESSLIST |  |
| PS\_CHECK\_LOST\_INSTRUMENTATION |  |
| SCHEMA\_AUTO\_INCREMENT\_COLUMNS |  |
| SCHEMA\_INDEX\_STATISTICS |  |
| SCHEMA\_OBJECT\_OVERVIEW |  |
| SCHEMA\_REDUNDANT\_INDEXES |  |
| SCHEMA\_TABLE\_LOCK\_WAITS |  |
| SCHEMA\_TABLE\_STATISTICS |  |
| SCHEMA\_TABLE\_STATISTICS\_WITH\_BUFFER |  |
| SCHEMA\_TABLES\_WITH\_FULL\_TABLE\_SCANS |  |
| SCHEMA\_UNUSED\_INDEXES |  |
| SESSION |  |
| SESSION\_SSL\_STATUS |  |
| STATEMENT\_ANALYSIS |  |
| STATEMENTS\_WITH\_ERRORS\_OR\_WARNINGS |  |
| STATEMENTS\_WITH\_FULL\_TABLE\_SCANS |  |
| STATEMENTS\_WITH\_RUNTIMES\_IN\_95TH\_PERCENTILE |  |
| STATEMENTS\_WITH\_SORTING |  |
| STATEMENTS\_WITH\_TEMP\_TABLES |  |
| SYS\_CONFIG |  |
| USER\_SUMMARY |  |
| USER\_SUMMARY\_BY\_FILE\_IO |  |
| USER\_SUMMARY\_BY\_FILE\_IO\_TYPE |  |
| USER\_SUMMARY\_BY\_STAGES |  |
| USER\_SUMMARY\_BY\_STATEMENT\_LATENCY |  |
| USER\_SUMMARY\_BY\_STATEMENT\_TYPE |  |
| VERSION |  |
| WAIT\_CLASSES\_GLOBAL\_BY\_AVG\_LATENCY |  |
| WAIT\_CLASSES\_GLOBAL\_BY\_LATENCY |  |
| WAITS\_BY\_HOST\_BY\_LATENCY |  |
| WAITS\_BY\_USER\_BY\_LATENCY |  |
| WAITS\_GLOBAL\_BY\_LATENCY |  |
| X$HOST\_SUMMARY |  |
| X$HOST\_SUMMARY\_BY\_FILE\_IO |  |
| X$HOST\_SUMMARY\_BY\_FILE\_IO\_TYPE |  |
| X$HOST\_SUMMARY\_BY\_STAGES |  |
| X$HOST\_SUMMARY\_BY\_STATEMENT\_LATENCY |  |
| X$HOST\_SUMMARY\_BY\_STATEMENT\_TYPE |  |
| X$INNODB\_BUFFER\_STATS\_BY\_SCHEMA |  |
| X$INNODB\_BUFFER\_STATS\_BY\_TABLE |  |
| X$INNODB\_LOCK\_WAITS |  |
| X$IO\_BY\_THREAD\_BY\_LATENCY |  |
| X$IO\_GLOBAL\_BY\_FILE\_BY\_BYTES |  |
| X$IO\_GLOBAL\_BY\_FILE\_BY\_LATENCY |  |
| X$IO\_GLOBAL\_BY\_WAIT\_BY\_BYTES |  |
| X$IO\_GLOBAL\_BY\_WAIT\_BY\_LATENCY |  |
| X$LATEST\_FILE\_IO |  |
| X$MEMORY\_BY\_HOST\_BY\_CURRENT\_BYTES |  |
| X$MEMORY\_BY\_THREAD\_BY\_CURRENT\_BYTES |  |
| X$MEMORY\_BY\_USER\_BY\_CURRENT\_BYTES |  |
| X$MEMORY\_GLOBAL\_BY\_CURRENT\_BYTES |  |
| X$MEMORY\_GLOBAL\_TOTAL |  |
| X$PROCESSLIST |  |
| X$PS\_DIGEST\_95TH\_PERCENTILE\_BY\_AVG\_US |  |
| X$PS\_DIGEST\_AVG\_LATENCY\_DISTRIBUTION |  |
| X$PS\_SCHEMA\_TABLE\_STATISTICS\_IO |  |
| X$SCHEMA\_FLATTENED\_KEYS |  |
| X$SCHEMA\_INDEX\_STATISTICS |  |
| X$SCHEMA\_TABLE\_LOCK\_WAITS |  |
| X$SCHEMA\_TABLE\_STATISTICS |  |
| X$SCHEMA\_TABLE\_STATISTICS\_WITH\_BUFFER |  |
| X$SCHEMA\_TABLES\_WITH\_FULL\_TABLE\_SCANS |  |
| X$SESSION |  |
| X$STATEMENT\_ANALYSIS |  |
| X$STATEMENTS\_WITH\_ERRORS\_OR\_WARNINGS |  |
| X$STATEMENTS\_WITH\_FULL\_TABLE\_SCANS |  |
| X$STATEMENTS\_WITH\_RUNTIMES\_IN\_95TH\_PERCENTILE |  |
| X$STATEMENTS\_WITH\_SORTING |  |
| X$STATEMENTS\_WITH\_TEMP\_TABLES |  |
| X$USER\_SUMMARY |  |
| X$USER\_SUMMARY\_BY\_FILE\_IO |  |
| X$USER\_SUMMARY\_BY\_FILE\_IO\_TYPE |  |
| X$USER\_SUMMARY\_BY\_STAGES |  |
| X$USER\_SUMMARY\_BY\_STATEMENT\_LATENCY |  |
| X$USER\_SUMMARY\_BY\_STATEMENT\_TYPE |  |
| X$WAIT\_CLASSES\_GLOBAL\_BY\_AVG\_LATENCY |  |
| X$WAIT\_CLASSES\_GLOBAL\_BY\_LATENCY |  |
| X$WAITS\_BY\_HOST\_BY\_LATENCY |  |
| X$WAITS\_BY\_USER\_BY\_LATENCY |  |
| X$WAITS\_GLOBAL\_BY\_LATENCY |  |

### **HOST\_SUMMARY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| statements | DECIMAL (64) |  |  |  |  |  |
| statement\_latency | VARCHAR (11) |  |  |  |  |  |
| statement\_avg\_latency | VARCHAR (11) |  |  |  |  |  |
| table\_scans | DECIMAL (65) |  |  |  |  |  |
| file\_ios | DECIMAL (64) |  |  |  |  |  |
| file\_io\_latency | VARCHAR (11) |  |  |  |  |  |
| current\_connections | DECIMAL (41) |  |  |  |  |  |
| total\_connections | DECIMAL (41) |  |  |  |  |  |
| unique\_users | BIGINT (19) |  |  |  |  |  |
| current\_memory | VARCHAR (11) |  |  |  |  |  |
| total\_memory\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **HOST\_SUMMARY\_BY\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| ios | DECIMAL (42) |  |  |  |  |  |
| io\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **HOST\_SUMMARY\_BY\_FILE\_IO\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **HOST\_SUMMARY\_BY\_STAGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **HOST\_SUMMARY\_BY\_STATEMENT\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | DECIMAL (42) |  |  |  |  |  |
| rows\_examined | DECIMAL (42) |  |  |  |  |  |
| rows\_affected | DECIMAL (42) |  |  |  |  |  |
| full\_scans | DECIMAL (43) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **HOST\_SUMMARY\_BY\_STATEMENT\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| statement | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_BUFFER\_STATS\_BY\_SCHEMA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | TEXT (65535) |  |  |  |  |  |
| allocated | VARCHAR (11) |  |  |  |  |  |
| data | VARCHAR (11) |  |  |  |  |  |
| pages | BIGINT (19) |  |  |  |  |  |
| pages\_hashed | BIGINT (19) |  |  |  |  |  |
| pages\_old | BIGINT (19) |  |  |  |  |  |
| rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_BUFFER\_STATS\_BY\_TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | TEXT (65535) |  |  |  |  |  |
| object\_name | TEXT (65535) |  |  |  |  |  |
| allocated | VARCHAR (11) |  |  |  |  |  |
| data | VARCHAR (11) |  |  |  |  |  |
| pages | BIGINT (19) |  |  |  |  |  |
| pages\_hashed | BIGINT (19) |  |  |  |  |  |
| pages\_old | BIGINT (19) |  |  |  |  |  |
| rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **INNODB\_LOCK\_WAITS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| wait\_started | DATETIME (19) |  |  |  |  |  |
| wait\_age | TIME (8) |  |  |  |  |  |
| wait\_age\_secs | BIGINT (19) |  |  |  |  |  |
| locked\_table | MEDIUMTEXT (16777215) |  |  |  |  |  |
| locked\_table\_schema | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_name | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_partition | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_subpartition | VARCHAR (64) |  |  |  |  |  |
| locked\_index | VARCHAR (64) |  |  |  |  |  |
| locked\_type | VARCHAR (32) |  |  |  |  |  |
| waiting\_trx\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_trx\_started | DATETIME (19) |  |  |  |  |  |
| waiting\_trx\_age | TIME (8) |  |  |  |  |  |
| waiting\_trx\_rows\_locked | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_trx\_rows\_modified | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_query | LONGTEXT (2147483647) |  |  |  |  |  |
| waiting\_lock\_id | VARCHAR (128) |  |  |  |  |  |
| waiting\_lock\_mode | VARCHAR (32) |  |  |  |  |  |
| blocking\_trx\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_query | LONGTEXT (2147483647) |  |  |  |  |  |
| blocking\_lock\_id | VARCHAR (128) |  |  |  |  |  |
| blocking\_lock\_mode | VARCHAR (32) |  |  |  |  |  |
| blocking\_trx\_started | DATETIME (19) |  |  |  |  |  |
| blocking\_trx\_age | TIME (8) |  |  |  |  |  |
| blocking\_trx\_rows\_locked | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_trx\_rows\_modified | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sql\_kill\_blocking\_query | VARCHAR (33) |  |  |  |  |  |
| sql\_kill\_blocking\_connection | VARCHAR (27) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **IO\_BY\_THREAD\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (288) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| min\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| processlist\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **IO\_GLOBAL\_BY\_FILE\_BY\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| file | VARCHAR (512) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | VARCHAR (11) |  |  |  |  |  |
| avg\_read | VARCHAR (11) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | VARCHAR (11) |  |  |  |  |  |
| avg\_write | VARCHAR (11) |  |  |  |  |  |
| total | VARCHAR (11) |  |  |  |  |  |
| write\_pct | DECIMAL (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **IO\_GLOBAL\_BY\_FILE\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| file | VARCHAR (512) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| read\_latency | VARCHAR (11) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| write\_latency | VARCHAR (11) |  |  |  |  |  |
| count\_misc | BIGINT UNSIGNED (20) |  |  |  |  |  |
| misc\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **IO\_GLOBAL\_BY\_WAIT\_BY\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| min\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | VARCHAR (11) |  |  |  |  |  |
| avg\_read | VARCHAR (11) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | VARCHAR (11) |  |  |  |  |  |
| avg\_written | VARCHAR (11) |  |  |  |  |  |
| total\_requested | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **IO\_GLOBAL\_BY\_WAIT\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| read\_latency | VARCHAR (11) |  |  |  |  |  |
| write\_latency | VARCHAR (11) |  |  |  |  |  |
| misc\_latency | VARCHAR (11) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | VARCHAR (11) |  |  |  |  |  |
| avg\_read | VARCHAR (11) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | VARCHAR (11) |  |  |  |  |  |
| avg\_written | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **LATEST\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thread | VARCHAR (317) |  |  |  |  |  |
| file | VARCHAR (512) |  |  |  |  |  |
| latency | VARCHAR (11) |  |  |  |  |  |
| operation | VARCHAR (32) |  |  |  |  |  |
| requested | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_BY\_HOST\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | VARCHAR (11) |  |  |  |  |  |
| current\_avg\_alloc | VARCHAR (11) |  |  |  |  |  |
| current\_max\_alloc | VARCHAR (11) |  |  |  |  |  |
| total\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_BY\_THREAD\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | VARCHAR (11) |  |  |  |  |  |
| current\_avg\_alloc | VARCHAR (11) |  |  |  |  |  |
| current\_max\_alloc | VARCHAR (11) |  |  |  |  |  |
| total\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_BY\_USER\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | VARCHAR (11) |  |  |  |  |  |
| current\_avg\_alloc | VARCHAR (11) |  |  |  |  |  |
| current\_max\_alloc | VARCHAR (11) |  |  |  |  |  |
| total\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_GLOBAL\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| current\_count | BIGINT (19) |  |  |  |  |  |
| current\_alloc | VARCHAR (11) |  |  |  |  |  |
| current\_avg\_alloc | VARCHAR (11) |  |  |  |  |  |
| high\_count | BIGINT (19) |  |  |  |  |  |
| high\_alloc | VARCHAR (11) |  |  |  |  |  |
| high\_avg\_alloc | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **MEMORY\_GLOBAL\_TOTAL**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| total\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **METRICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Variable\_name | VARCHAR (193) |  |  |  |  |  |
| Variable\_value | TEXT (65535) |  |  |  |  |  |
| Type | VARCHAR (210) |  |  |  |  |  |
| Enabled | VARCHAR (7) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PROCESSLIST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thd\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| conn\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| command | VARCHAR (16) |  |  |  |  |  |
| state | VARCHAR (64) |  |  |  |  |  |
| time | BIGINT (19) |  |  |  |  |  |
| current\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| execution\_engine | ENUM (9) |  |  |  |  |  |
| statement\_latency | VARCHAR (11) |  |  |  |  |  |
| progress | DECIMAL (26) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scan | VARCHAR (3) |  |  |  |  |  |
| last\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| last\_statement\_latency | VARCHAR (11) |  |  |  |  |  |
| current\_memory | VARCHAR (11) |  |  |  |  |  |
| last\_wait | VARCHAR (128) |  |  |  |  |  |
| last\_wait\_latency | VARCHAR (13) |  |  |  |  |  |
| source | VARCHAR (64) |  |  |  |  |  |
| trx\_latency | VARCHAR (11) |  |  |  |  |  |
| trx\_state | ENUM (11) |  |  |  |  |  |
| trx\_autocommit | ENUM (3) |  |  |  |  |  |
| pid | VARCHAR (1024) |  |  |  |  |  |
| program\_name | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **PS\_CHECK\_LOST\_INSTRUMENTATION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| variable\_name | VARCHAR (64) |  |  |  |  |  |
| variable\_value | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_AUTO\_INCREMENT\_COLUMNS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| column\_name | VARCHAR (64) |  |  |  |  |  |
| data\_type | LONGTEXT (2147483647) |  |  |  |  |  |
| column\_type | MEDIUMTEXT (16777215) |  |  |  |  |  |
| is\_signed | INT (10) |  |  |  |  |  |
| is\_unsigned | INT (10) |  |  |  |  |  |
| max\_value | BIGINT UNSIGNED (20) |  |  |  |  |  |
| auto\_increment | BIGINT UNSIGNED (20) |  |  |  |  |  |
| auto\_increment\_ratio | DECIMAL UNSIGNED (25) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_INDEX\_STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_selected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| select\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_OBJECT\_OVERVIEW**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| db | VARCHAR (64) |  |  |  |  |  |
| object\_type | VARCHAR (19) |  |  |  |  |  |
| count | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_REDUNDANT\_INDEXES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| redundant\_index\_name | VARCHAR (64) |  |  |  |  |  |
| redundant\_index\_columns | TEXT (65535) |  |  |  |  |  |
| redundant\_index\_non\_unique | INT (10) |  |  |  |  |  |
| dominant\_index\_name | VARCHAR (64) |  |  |  |  |  |
| dominant\_index\_columns | TEXT (65535) |  |  |  |  |  |
| dominant\_index\_non\_unique | INT (10) |  |  |  |  |  |
| subpart\_exists | INT (10) |  |  |  |  |  |
| sql\_drop\_index | VARCHAR (223) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_TABLE\_LOCK\_WAITS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | VARCHAR (64) |  |  |  |  |  |
| object\_name | VARCHAR (64) |  |  |  |  |  |
| waiting\_thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_account | TEXT (65535) |  |  |  |  |  |
| waiting\_lock\_type | VARCHAR (32) |  |  |  |  |  |
| waiting\_lock\_duration | VARCHAR (32) |  |  |  |  |  |
| waiting\_query | LONGTEXT (2147483647) |  |  |  |  |  |
| waiting\_query\_secs | BIGINT (19) |  |  |  |  |  |
| waiting\_query\_rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_query\_rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_account | TEXT (65535) |  |  |  |  |  |
| blocking\_lock\_type | VARCHAR (32) |  |  |  |  |  |
| blocking\_lock\_duration | VARCHAR (32) |  |  |  |  |  |
| sql\_kill\_blocking\_query | VARCHAR (31) |  |  |  |  |  |
| sql\_kill\_blocking\_connection | VARCHAR (25) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_TABLE\_STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_fetched | BIGINT UNSIGNED (20) |  |  |  |  |  |
| fetch\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_read\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_read | VARCHAR (11) |  |  |  |  |  |
| io\_read\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_write\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_write | VARCHAR (11) |  |  |  |  |  |
| io\_write\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_misc\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_TABLE\_STATISTICS\_WITH\_BUFFER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_fetched | BIGINT UNSIGNED (20) |  |  |  |  |  |
| fetch\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_read\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_read | VARCHAR (11) |  |  |  |  |  |
| io\_read\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_write\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_write | VARCHAR (11) |  |  |  |  |  |
| io\_write\_latency | VARCHAR (11) |  |  |  |  |  |
| io\_misc\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_latency | VARCHAR (11) |  |  |  |  |  |
| innodb\_buffer\_allocated | VARCHAR (11) |  |  |  |  |  |
| innodb\_buffer\_data | VARCHAR (11) |  |  |  |  |  |
| innodb\_buffer\_free | VARCHAR (11) |  |  |  |  |  |
| innodb\_buffer\_pages | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_pages\_hashed | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_pages\_old | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_TABLES\_WITH\_FULL\_TABLE\_SCANS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | VARCHAR (64) |  |  |  |  |  |
| object\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_full\_scanned | BIGINT UNSIGNED (20) |  |  |  |  |  |
| latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SCHEMA\_UNUSED\_INDEXES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | VARCHAR (64) |  |  |  |  |  |
| object\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SESSION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thd\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| conn\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| command | VARCHAR (16) |  |  |  |  |  |
| state | VARCHAR (64) |  |  |  |  |  |
| time | BIGINT (19) |  |  |  |  |  |
| current\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| execution\_engine | ENUM (9) |  |  |  |  |  |
| statement\_latency | VARCHAR (11) |  |  |  |  |  |
| progress | DECIMAL (26) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scan | VARCHAR (3) |  |  |  |  |  |
| last\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| last\_statement\_latency | VARCHAR (11) |  |  |  |  |  |
| current\_memory | VARCHAR (11) |  |  |  |  |  |
| last\_wait | VARCHAR (128) |  |  |  |  |  |
| last\_wait\_latency | VARCHAR (13) |  |  |  |  |  |
| source | VARCHAR (64) |  |  |  |  |  |
| trx\_latency | VARCHAR (11) |  |  |  |  |  |
| trx\_state | ENUM (11) |  |  |  |  |  |
| trx\_autocommit | ENUM (3) |  |  |  |  |  |
| pid | VARCHAR (1024) |  |  |  |  |  |
| program\_name | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SESSION\_SSL\_STATUS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| ssl\_version | VARCHAR (1024) |  |  |  |  |  |
| ssl\_cipher | VARCHAR (1024) |  |  |  |  |  |
| ssl\_sessions\_reused | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENT\_ANALYSIS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| full\_scan | VARCHAR (1) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| err\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warn\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected\_avg | DECIMAL (21) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sorted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sort\_merge\_passes | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_controlled\_memory | VARCHAR (11) |  |  |  |  |  |
| max\_total\_memory | VARCHAR (11) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENTS\_WITH\_ERRORS\_OR\_WARNINGS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| errors | BIGINT UNSIGNED (20) |  |  |  |  |  |
| error\_pct | DECIMAL (27) |  |  |  |  |  |
| warnings | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warning\_pct | DECIMAL (27) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENTS\_WITH\_FULL\_TABLE\_SCANS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| no\_index\_used\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| no\_good\_index\_used\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| no\_index\_used\_pct | DECIMAL (24) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENTS\_WITH\_RUNTIMES\_IN\_95TH\_PERCENTILE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| full\_scan | VARCHAR (1) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| err\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warn\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENTS\_WITH\_SORTING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| sort\_merge\_passes | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_sort\_merges | DECIMAL (21) |  |  |  |  |  |
| sorts\_using\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sort\_using\_range | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sorted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_rows\_sorted | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **STATEMENTS\_WITH\_TEMP\_TABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| memory\_tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| disk\_tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_tmp\_tables\_per\_query | DECIMAL (21) |  |  |  |  |  |
| tmp\_tables\_to\_disk\_pct | DECIMAL (24) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **SYS\_CONFIG**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| variable | VARCHAR (128) |  |  | PK |  |  |
| value | VARCHAR (128) |  |  |  |  |  |
| set\_time | TIMESTAMP (19) |  |  |  |  |  |
| set\_by | VARCHAR (128) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | variable | PRIMARY KEY |  |  |
| PRIMARY | variable | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | variable |

#### **Trigger**

N/A

### **USER\_SUMMARY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| statements | DECIMAL (64) |  |  |  |  |  |
| statement\_latency | VARCHAR (11) |  |  |  |  |  |
| statement\_avg\_latency | VARCHAR (11) |  |  |  |  |  |
| table\_scans | DECIMAL (65) |  |  |  |  |  |
| file\_ios | DECIMAL (64) |  |  |  |  |  |
| file\_io\_latency | VARCHAR (11) |  |  |  |  |  |
| current\_connections | DECIMAL (41) |  |  |  |  |  |
| total\_connections | DECIMAL (41) |  |  |  |  |  |
| unique\_hosts | BIGINT (19) |  |  |  |  |  |
| current\_memory | VARCHAR (11) |  |  |  |  |  |
| total\_memory\_allocated | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_SUMMARY\_BY\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| ios | DECIMAL (42) |  |  |  |  |  |
| io\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_SUMMARY\_BY\_FILE\_IO\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_SUMMARY\_BY\_STAGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_SUMMARY\_BY\_STATEMENT\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | DECIMAL (42) |  |  |  |  |  |
| rows\_examined | DECIMAL (42) |  |  |  |  |  |
| rows\_affected | DECIMAL (42) |  |  |  |  |  |
| full\_scans | DECIMAL (43) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **USER\_SUMMARY\_BY\_STATEMENT\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| statement | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |
| lock\_latency | VARCHAR (11) |  |  |  |  |  |
| cpu\_latency | VARCHAR (11) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **VERSION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| sys\_version | VARCHAR (5) |  |  |  |  |  |
| mysql\_version | VARCHAR (6) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **WAIT\_CLASSES\_GLOBAL\_BY\_AVG\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_class | VARCHAR (128) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| min\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **WAIT\_CLASSES\_GLOBAL\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_class | VARCHAR (128) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| min\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **WAITS\_BY\_HOST\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **WAITS\_BY\_USER\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **WAITS\_GLOBAL\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| events | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | VARCHAR (11) |  |  |  |  |  |
| avg\_latency | VARCHAR (11) |  |  |  |  |  |
| max\_latency | VARCHAR (11) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| statements | DECIMAL (64) |  |  |  |  |  |
| statement\_latency | DECIMAL (64) |  |  |  |  |  |
| statement\_avg\_latency | DECIMAL (65) |  |  |  |  |  |
| table\_scans | DECIMAL (65) |  |  |  |  |  |
| file\_ios | DECIMAL (64) |  |  |  |  |  |
| file\_io\_latency | DECIMAL (64) |  |  |  |  |  |
| current\_connections | DECIMAL (41) |  |  |  |  |  |
| total\_connections | DECIMAL (41) |  |  |  |  |  |
| unique\_users | BIGINT (19) |  |  |  |  |  |
| current\_memory | DECIMAL (63) |  |  |  |  |  |
| total\_memory\_allocated | DECIMAL (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY\_BY\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| ios | DECIMAL (42) |  |  |  |  |  |
| io\_latency | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY\_BY\_FILE\_IO\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY\_BY\_STAGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY\_BY\_STATEMENT\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | DECIMAL (42) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| lock\_latency | DECIMAL (42) |  |  |  |  |  |
| cpu\_latency | DECIMAL (42) |  |  |  |  |  |
| rows\_sent | DECIMAL (42) |  |  |  |  |  |
| rows\_examined | DECIMAL (42) |  |  |  |  |  |
| rows\_affected | DECIMAL (42) |  |  |  |  |  |
| full\_scans | DECIMAL (43) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$HOST\_SUMMARY\_BY\_STATEMENT\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| statement | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| lock\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| cpu\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$INNODB\_BUFFER\_STATS\_BY\_SCHEMA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | TEXT (65535) |  |  |  |  |  |
| allocated | DECIMAL (44) |  |  |  |  |  |
| data | DECIMAL (44) |  |  |  |  |  |
| pages | BIGINT (19) |  |  |  |  |  |
| pages\_hashed | BIGINT (19) |  |  |  |  |  |
| pages\_old | BIGINT (19) |  |  |  |  |  |
| rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$INNODB\_BUFFER\_STATS\_BY\_TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | TEXT (65535) |  |  |  |  |  |
| object\_name | TEXT (65535) |  |  |  |  |  |
| allocated | DECIMAL (44) |  |  |  |  |  |
| data | DECIMAL (44) |  |  |  |  |  |
| pages | BIGINT (19) |  |  |  |  |  |
| pages\_hashed | BIGINT (19) |  |  |  |  |  |
| pages\_old | BIGINT (19) |  |  |  |  |  |
| rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$INNODB\_LOCK\_WAITS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| wait\_started | DATETIME (19) |  |  |  |  |  |
| wait\_age | TIME (8) |  |  |  |  |  |
| wait\_age\_secs | BIGINT (19) |  |  |  |  |  |
| locked\_table | MEDIUMTEXT (16777215) |  |  |  |  |  |
| locked\_table\_schema | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_name | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_partition | VARCHAR (64) |  |  |  |  |  |
| locked\_table\_subpartition | VARCHAR (64) |  |  |  |  |  |
| locked\_index | VARCHAR (64) |  |  |  |  |  |
| locked\_type | VARCHAR (32) |  |  |  |  |  |
| waiting\_trx\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_trx\_started | DATETIME (19) |  |  |  |  |  |
| waiting\_trx\_age | TIME (8) |  |  |  |  |  |
| waiting\_trx\_rows\_locked | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_trx\_rows\_modified | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_query | VARCHAR (1024) |  |  |  |  |  |
| waiting\_lock\_id | VARCHAR (128) |  |  |  |  |  |
| waiting\_lock\_mode | VARCHAR (32) |  |  |  |  |  |
| blocking\_trx\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_query | VARCHAR (1024) |  |  |  |  |  |
| blocking\_lock\_id | VARCHAR (128) |  |  |  |  |  |
| blocking\_lock\_mode | VARCHAR (32) |  |  |  |  |  |
| blocking\_trx\_started | DATETIME (19) |  |  |  |  |  |
| blocking\_trx\_age | TIME (8) |  |  |  |  |  |
| blocking\_trx\_rows\_locked | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_trx\_rows\_modified | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sql\_kill\_blocking\_query | VARCHAR (33) |  |  |  |  |  |
| sql\_kill\_blocking\_connection | VARCHAR (27) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$IO\_BY\_THREAD\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (288) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | DECIMAL (42) |  |  |  |  |  |
| min\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | DECIMAL (24) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| processlist\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$IO\_GLOBAL\_BY\_FILE\_BY\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| file | VARCHAR (512) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | BIGINT (19) |  |  |  |  |  |
| avg\_read | DECIMAL (23) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | BIGINT (19) |  |  |  |  |  |
| avg\_write | DECIMAL (23) |  |  |  |  |  |
| total | BIGINT (19) |  |  |  |  |  |
| write\_pct | DECIMAL (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$IO\_GLOBAL\_BY\_FILE\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| file | VARCHAR (512) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| read\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| write\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| count\_misc | BIGINT UNSIGNED (20) |  |  |  |  |  |
| misc\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$IO\_GLOBAL\_BY\_WAIT\_BY\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| min\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | BIGINT (19) |  |  |  |  |  |
| avg\_read | DECIMAL (23) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | BIGINT (19) |  |  |  |  |  |
| avg\_written | DECIMAL (23) |  |  |  |  |  |
| total\_requested | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$IO\_GLOBAL\_BY\_WAIT\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| read\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| write\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| misc\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| count\_read | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_read | BIGINT (19) |  |  |  |  |  |
| avg\_read | DECIMAL (23) |  |  |  |  |  |
| count\_write | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_written | BIGINT (19) |  |  |  |  |  |
| avg\_written | DECIMAL (23) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$LATEST\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thread | VARCHAR (317) |  |  |  |  |  |
| file | VARCHAR (512) |  |  |  |  |  |
| latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| operation | VARCHAR (32) |  |  |  |  |  |
| requested | BIGINT (19) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$MEMORY\_BY\_HOST\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | DECIMAL (41) |  |  |  |  |  |
| current\_avg\_alloc | DECIMAL (45) |  |  |  |  |  |
| current\_max\_alloc | BIGINT (19) |  |  |  |  |  |
| total\_allocated | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$MEMORY\_BY\_THREAD\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | DECIMAL (41) |  |  |  |  |  |
| current\_avg\_alloc | DECIMAL (45) |  |  |  |  |  |
| current\_max\_alloc | BIGINT (19) |  |  |  |  |  |
| total\_allocated | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$MEMORY\_BY\_USER\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| current\_count\_used | DECIMAL (41) |  |  |  |  |  |
| current\_allocated | DECIMAL (41) |  |  |  |  |  |
| current\_avg\_alloc | DECIMAL (45) |  |  |  |  |  |
| current\_max\_alloc | BIGINT (19) |  |  |  |  |  |
| total\_allocated | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$MEMORY\_GLOBAL\_BY\_CURRENT\_BYTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| current\_count | BIGINT (19) |  |  |  |  |  |
| current\_alloc | BIGINT (19) |  |  |  |  |  |
| current\_avg\_alloc | DECIMAL (23) |  |  |  |  |  |
| high\_count | BIGINT (19) |  |  |  |  |  |
| high\_alloc | BIGINT (19) |  |  |  |  |  |
| high\_avg\_alloc | DECIMAL (23) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$MEMORY\_GLOBAL\_TOTAL**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| total\_allocated | DECIMAL (41) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$PROCESSLIST**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thd\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| conn\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| command | VARCHAR (16) |  |  |  |  |  |
| state | VARCHAR (64) |  |  |  |  |  |
| time | BIGINT (19) |  |  |  |  |  |
| current\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| execution\_engine | ENUM (9) |  |  |  |  |  |
| statement\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| progress | DECIMAL (26) |  |  |  |  |  |
| lock\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| cpu\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scan | VARCHAR (3) |  |  |  |  |  |
| last\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| last\_statement\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| current\_memory | DECIMAL (41) |  |  |  |  |  |
| last\_wait | VARCHAR (128) |  |  |  |  |  |
| last\_wait\_latency | VARCHAR (20) |  |  |  |  |  |
| source | VARCHAR (64) |  |  |  |  |  |
| trx\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| trx\_state | ENUM (11) |  |  |  |  |  |
| trx\_autocommit | ENUM (3) |  |  |  |  |  |
| pid | VARCHAR (1024) |  |  |  |  |  |
| program\_name | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$PS\_DIGEST\_95TH\_PERCENTILE\_BY\_AVG\_US**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| avg\_us | DECIMAL (21) |  |  |  |  |  |
| percentile | DECIMAL (46) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$PS\_DIGEST\_AVG\_LATENCY\_DISTRIBUTION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| cnt | BIGINT (19) |  |  |  |  |  |
| avg\_us | DECIMAL (21) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$PS\_SCHEMA\_TABLE\_STATISTICS\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| count\_read | DECIMAL (42) |  |  |  |  |  |
| sum\_number\_of\_bytes\_read | DECIMAL (41) |  |  |  |  |  |
| sum\_timer\_read | DECIMAL (42) |  |  |  |  |  |
| count\_write | DECIMAL (42) |  |  |  |  |  |
| sum\_number\_of\_bytes\_write | DECIMAL (41) |  |  |  |  |  |
| sum\_timer\_write | DECIMAL (42) |  |  |  |  |  |
| count\_misc | DECIMAL (42) |  |  |  |  |  |
| sum\_timer\_misc | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_FLATTENED\_KEYS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |
| non\_unique | INT (10) |  |  |  |  |  |
| subpart\_exists | BIGINT (19) |  |  |  |  |  |
| index\_columns | TEXT (65535) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_INDEX\_STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| index\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_selected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| select\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_TABLE\_LOCK\_WAITS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | VARCHAR (64) |  |  |  |  |  |
| object\_name | VARCHAR (64) |  |  |  |  |  |
| waiting\_thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_account | TEXT (65535) |  |  |  |  |  |
| waiting\_lock\_type | VARCHAR (32) |  |  |  |  |  |
| waiting\_lock\_duration | VARCHAR (32) |  |  |  |  |  |
| waiting\_query | LONGTEXT (2147483647) |  |  |  |  |  |
| waiting\_query\_secs | BIGINT (19) |  |  |  |  |  |
| waiting\_query\_rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| waiting\_query\_rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_thread\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_pid | BIGINT UNSIGNED (20) |  |  |  |  |  |
| blocking\_account | TEXT (65535) |  |  |  |  |  |
| blocking\_lock\_type | VARCHAR (32) |  |  |  |  |  |
| blocking\_lock\_duration | VARCHAR (32) |  |  |  |  |  |
| sql\_kill\_blocking\_query | VARCHAR (31) |  |  |  |  |  |
| sql\_kill\_blocking\_connection | VARCHAR (25) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_TABLE\_STATISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_fetched | BIGINT UNSIGNED (20) |  |  |  |  |  |
| fetch\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| io\_read\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_read | DECIMAL (41) |  |  |  |  |  |
| io\_read\_latency | DECIMAL (42) |  |  |  |  |  |
| io\_write\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_write | DECIMAL (41) |  |  |  |  |  |
| io\_write\_latency | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_latency | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_TABLE\_STATISTICS\_WITH\_BUFFER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| table\_schema | VARCHAR (64) |  |  |  |  |  |
| table\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_fetched | BIGINT UNSIGNED (20) |  |  |  |  |  |
| fetch\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_inserted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| insert\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_updated | BIGINT UNSIGNED (20) |  |  |  |  |  |
| update\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_deleted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| delete\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| io\_read\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_read | DECIMAL (41) |  |  |  |  |  |
| io\_read\_latency | DECIMAL (42) |  |  |  |  |  |
| io\_write\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_write | DECIMAL (41) |  |  |  |  |  |
| io\_write\_latency | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_requests | DECIMAL (42) |  |  |  |  |  |
| io\_misc\_latency | DECIMAL (42) |  |  |  |  |  |
| innodb\_buffer\_allocated | DECIMAL (44) |  |  |  |  |  |
| innodb\_buffer\_data | DECIMAL (44) |  |  |  |  |  |
| innodb\_buffer\_free | DECIMAL (45) |  |  |  |  |  |
| innodb\_buffer\_pages | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_pages\_hashed | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_pages\_old | BIGINT (19) |  |  |  |  |  |
| innodb\_buffer\_rows\_cached | DECIMAL (45) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SCHEMA\_TABLES\_WITH\_FULL\_TABLE\_SCANS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| object\_schema | VARCHAR (64) |  |  |  |  |  |
| object\_name | VARCHAR (64) |  |  |  |  |  |
| rows\_full\_scanned | BIGINT UNSIGNED (20) |  |  |  |  |  |
| latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$SESSION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| thd\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| conn\_id | BIGINT UNSIGNED (20) |  |  |  |  |  |
| user | VARCHAR (288) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| command | VARCHAR (16) |  |  |  |  |  |
| state | VARCHAR (64) |  |  |  |  |  |
| time | BIGINT (19) |  |  |  |  |  |
| current\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| execution\_engine | ENUM (9) |  |  |  |  |  |
| statement\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| progress | DECIMAL (26) |  |  |  |  |  |
| lock\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| cpu\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scan | VARCHAR (3) |  |  |  |  |  |
| last\_statement | LONGTEXT (2147483647) |  |  |  |  |  |
| last\_statement\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| current\_memory | DECIMAL (41) |  |  |  |  |  |
| last\_wait | VARCHAR (128) |  |  |  |  |  |
| last\_wait\_latency | VARCHAR (20) |  |  |  |  |  |
| source | VARCHAR (64) |  |  |  |  |  |
| trx\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| trx\_state | ENUM (11) |  |  |  |  |  |
| trx\_autocommit | ENUM (3) |  |  |  |  |  |
| pid | VARCHAR (1024) |  |  |  |  |  |
| program\_name | VARCHAR (1024) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENT\_ANALYSIS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| full\_scan | VARCHAR (1) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| exec\_secondary\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| err\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warn\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| lock\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| cpu\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected\_avg | DECIMAL (21) |  |  |  |  |  |
| tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| tmp\_disk\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sorted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sort\_merge\_passes | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_controlled\_memory | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_total\_memory | BIGINT UNSIGNED (20) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENTS\_WITH\_ERRORS\_OR\_WARNINGS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| errors | BIGINT UNSIGNED (20) |  |  |  |  |  |
| error\_pct | DECIMAL (27) |  |  |  |  |  |
| warnings | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warning\_pct | DECIMAL (27) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENTS\_WITH\_FULL\_TABLE\_SCANS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| no\_index\_used\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| no\_good\_index\_used\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| no\_index\_used\_pct | DECIMAL (24) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENTS\_WITH\_RUNTIMES\_IN\_95TH\_PERCENTILE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| full\_scan | VARCHAR (1) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| err\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| warn\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent\_avg | DECIMAL (21) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined\_avg | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENTS\_WITH\_SORTING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sort\_merge\_passes | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_sort\_merges | DECIMAL (21) |  |  |  |  |  |
| sorts\_using\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |
| sort\_using\_range | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sorted | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_rows\_sorted | DECIMAL (21) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$STATEMENTS\_WITH\_TEMP\_TABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| query | LONGTEXT (2147483647) |  |  |  |  |  |
| db | VARCHAR (64) |  |  |  |  |  |
| exec\_count | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| memory\_tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| disk\_tmp\_tables | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_tmp\_tables\_per\_query | DECIMAL (21) |  |  |  |  |  |
| tmp\_tables\_to\_disk\_pct | DECIMAL (24) |  |  |  |  |  |
| first\_seen | TIMESTAMP (26) |  |  |  |  |  |
| last\_seen | TIMESTAMP (26) |  |  |  |  |  |
| digest | VARCHAR (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| statements | DECIMAL (64) |  |  |  |  |  |
| statement\_latency | DECIMAL (64) |  |  |  |  |  |
| statement\_avg\_latency | DECIMAL (65) |  |  |  |  |  |
| table\_scans | DECIMAL (65) |  |  |  |  |  |
| file\_ios | DECIMAL (64) |  |  |  |  |  |
| file\_io\_latency | DECIMAL (64) |  |  |  |  |  |
| current\_connections | DECIMAL (41) |  |  |  |  |  |
| total\_connections | DECIMAL (41) |  |  |  |  |  |
| unique\_hosts | BIGINT (19) |  |  |  |  |  |
| current\_memory | DECIMAL (63) |  |  |  |  |  |
| total\_memory\_allocated | DECIMAL (64) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY\_BY\_FILE\_IO**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| ios | DECIMAL (42) |  |  |  |  |  |
| io\_latency | DECIMAL (42) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY\_BY\_FILE\_IO\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY\_BY\_STAGES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event\_name | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY\_BY\_STATEMENT\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | DECIMAL (42) |  |  |  |  |  |
| max\_latency | DECIMAL (42) |  |  |  |  |  |
| lock\_latency | DECIMAL (42) |  |  |  |  |  |
| cpu\_latency | DECIMAL (42) |  |  |  |  |  |
| rows\_sent | DECIMAL (42) |  |  |  |  |  |
| rows\_examined | DECIMAL (42) |  |  |  |  |  |
| rows\_affected | DECIMAL (42) |  |  |  |  |  |
| full\_scans | DECIMAL (43) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$USER\_SUMMARY\_BY\_STATEMENT\_TYPE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| statement | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| lock\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| cpu\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_sent | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_examined | BIGINT UNSIGNED (20) |  |  |  |  |  |
| rows\_affected | BIGINT UNSIGNED (20) |  |  |  |  |  |
| full\_scans | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$WAIT\_CLASSES\_GLOBAL\_BY\_AVG\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_class | VARCHAR (128) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | DECIMAL (42) |  |  |  |  |  |
| min\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | DECIMAL (46) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$WAIT\_CLASSES\_GLOBAL\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| event\_class | VARCHAR (128) |  |  |  |  |  |
| total | DECIMAL (42) |  |  |  |  |  |
| total\_latency | DECIMAL (42) |  |  |  |  |  |
| min\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | DECIMAL (46) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$WAITS\_BY\_HOST\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| host | VARCHAR (255) |  |  |  |  |  |
| event | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$WAITS\_BY\_USER\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| user | VARCHAR (32) |  |  |  |  |  |
| event | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

### **X$WAITS\_GLOBAL\_BY\_LATENCY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| events | VARCHAR (128) |  |  |  |  |  |
| total | BIGINT UNSIGNED (20) |  |  |  |  |  |
| total\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| avg\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |
| max\_latency | BIGINT UNSIGNED (20) |  |  |  |  |  |

#### **Constraint**

N/A

#### **Index**

N/A

#### **Trigger**

N/A

## **Schema: WORLD**

|  |  |
| --- | --- |
| ***Tên bảng*** | ***Mô tả*** |
| CITY |  |
| COUNTRY |  |
| COUNTRYLANGUAGE |  |

### **CITY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| ID | INT (10) |  |  | PK |  |  |
| Name | CHAR (35) |  |  |  |  |  |
| CountryCode | CHAR (3) |  |  |  |  |  |
| District | CHAR (20) |  |  |  |  |  |
| Population | INT (10) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | ID | PRIMARY KEY |  |  |
| city\_ibfk\_1 | CountryCode | FOREIGN KEY | country | Code |
| PRIMARY | ID | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | ID |
| CountryCode | CountryCode |

#### **Trigger**

N/A

### **COUNTRY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| Code | CHAR (3) |  |  | PK |  |  |
| Name | CHAR (52) |  |  |  |  |  |
| Continent | ENUM (13) |  |  |  |  |  |
| Region | CHAR (26) |  |  |  |  |  |
| SurfaceArea | DECIMAL (10) |  |  |  |  |  |
| IndepYear | SMALLINT (5) |  |  |  |  |  |
| Population | INT (10) |  |  |  |  |  |
| LifeExpectancy | DECIMAL (3) |  |  |  |  |  |
| GNP | DECIMAL (10) |  |  |  |  |  |
| GNPOld | DECIMAL (10) |  |  |  |  |  |
| LocalName | CHAR (45) |  |  |  |  |  |
| GovernmentForm | CHAR (45) |  |  |  |  |  |
| HeadOfState | CHAR (60) |  |  |  |  |  |
| Capital | INT (10) |  |  |  |  |  |
| Code2 | CHAR (2) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | Code | PRIMARY KEY |  |  |
| PRIMARY | Code | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | Code |

#### **Trigger**

N/A

### **COUNTRYLANGUAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Tên trường*** | ***Kiểu dữ liệu và độ dài*** | ***Nullable*** | ***Auto Increment*** | ***P/K Key*** | ***Mặc định*** | ***Mô tả*** |
| CountryCode | CHAR (3) |  |  | PK |  |  |
| Language | CHAR (30) |  |  | PK |  |  |
| IsOfficial | ENUM (1) |  |  |  |  |  |
| Percentage | DECIMAL (4) |  |  |  |  |  |

#### **Constraint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tên khóa*** | ***Tên trường*** | ***Kiểu*** | ***Bảng tham chiếu*** | ***Cột tham chiếu*** |
| PRIMARY | CountryCode | PRIMARY KEY |  |  |
| PRIMARY | Language | PRIMARY KEY |  |  |
| countryLanguage\_ibfk\_1 | CountryCode | FOREIGN KEY | country | Code |
| PRIMARY | CountryCode | UNIQUE |  |  |
| PRIMARY | Language | UNIQUE |  |  |

#### **Index**

|  |  |
| --- | --- |
| ***Tên Index*** | ***Cột tham chiếu*** |
| PRIMARY | CountryCode, Language |
| CountryCode | CountryCode |

#### **Trigger**

N/A