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TLS

```
# rootTLS
select user, host, ssl_type from mysql.user where user = 'root';

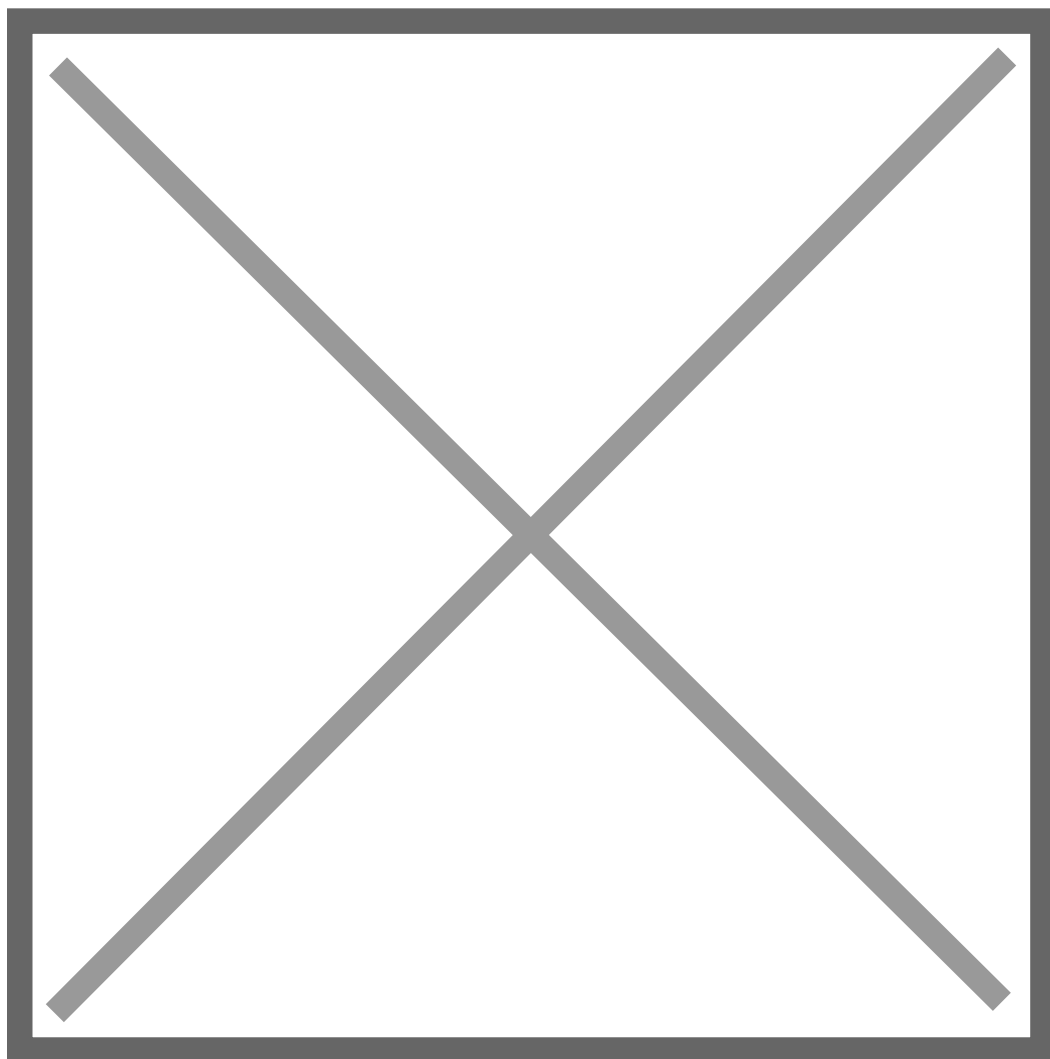
# TLS
show variables like 'require_secure_transport';

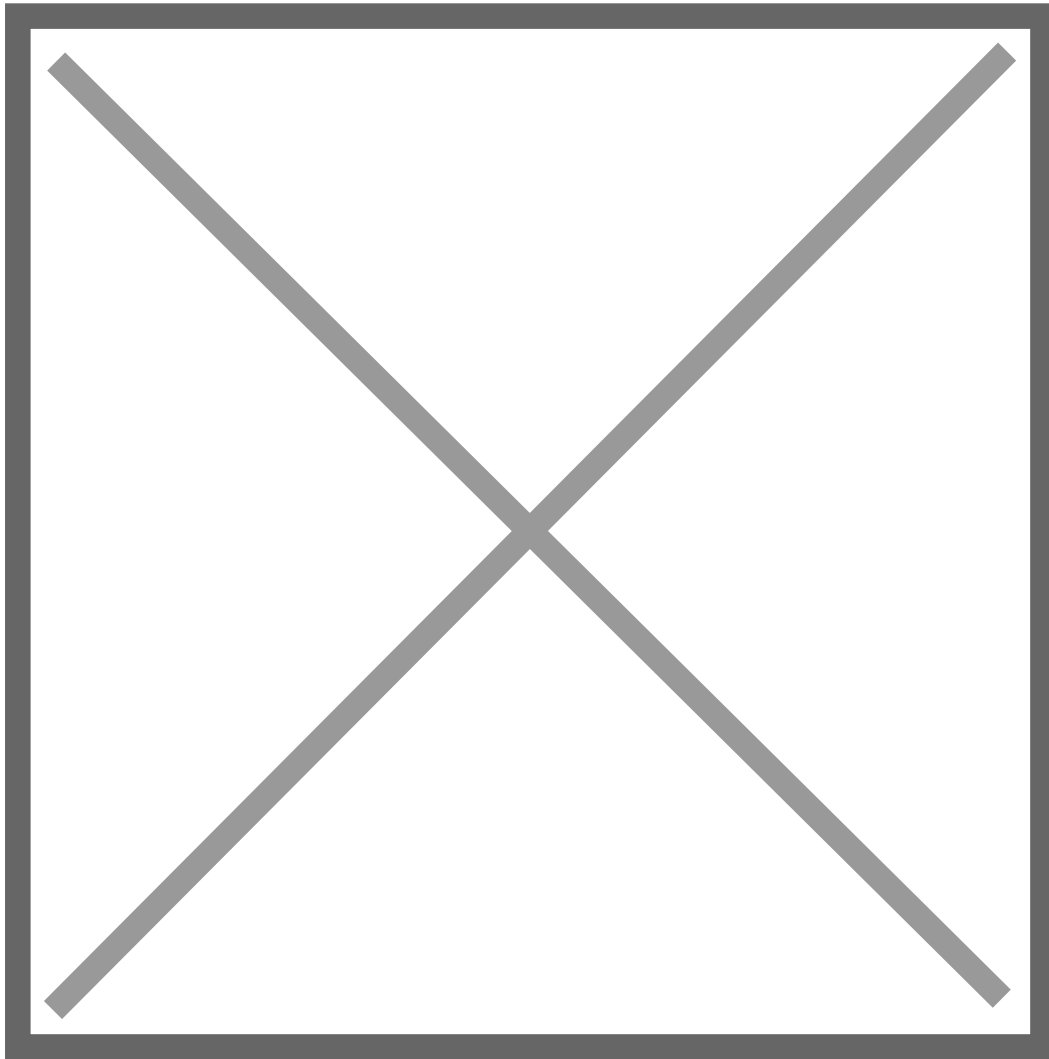
# MySQLTLS
show variables like 'have_ssl';

# MySQLTLS
show global variables like 'ssl_cipher';
show global variables like 'ssl_ca';
show global variables like 'ssl_cert';
show global variables like 'ssl_key';

# TLS
show session status like 'ssl_cipher';
show session status LIKE 'Ssl_cipher_list';
show session status like 'ssl_version';

# MySQLTLS
show variables like 'tls_version';
```





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MySQL 5.6 □ MySQL 5.7 □ MySQL 8.0.0 ~8.0.33 □ MySQL □
mysql_native_password □ SHA1 □

MySQL 5.6 ~ MySQL 8.0.3 □ sha256_password □ MySQL 8.0.4 □
caching_sha2_password □ RSA □ SHA256
□

The SHA-2 family consists of six hash functions with digests (hash values) that are 224, 256, 384 or 512 bits: SHA-224, SHA-256, SHA-384, SHA-512, SHA-512/224, SHA-512/256.

🔗 <https://security.stackexchange.com/questions/87154/what-is-the-relationship-between-sha-2-and-sha-256>

📁 SHA2📁 SHA224📁 SHA256📁 SHA384📁 SHA512📁

```
-- 👤@👤👤👤👤👤👤👤👤
select user, host, plugin, authentication_string from mysql.user;
-- 👤👤👤👤👤 caching_sha2_password📁
show variables like 'caching_sha2_password_private_key_path';
-- 👤👤👤👤👤 caching_sha2_password📁
show variables like 'caching_sha2_password_public_key_path';
-- 👤👤👤👤👤👤👤👤
show status like 'caching_sha2_password_rsa_public_key';
-- 👤👤👤👤👤 sha256_password📁
SHOW VARIABLES LIKE 'sha256_password_public_key_path';
-- 👤👤👤👤👤 sha256_password📁
SHOW VARIABLES LIKE 'sha256_password_private_key_path';
-- 👤👤👤👤👤👤👤👤
show status like 'rsa_public_key';
```



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