



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

# Web Services and Applications Deployment Guide

HTTPS for Redis

12/14/2025

# HTTPS for Redis

## TLS configuration for Redis

The following settings are required to enable TLS for Redis.

| Parameter name            | Description  |
|---------------------------|--|
| <b>password</b>           | Specifies the password used for Redis server authentication.   |
| <b>username</b>           | Specifies the username used for Redis server authentication.   |
| <b>verifyPeer</b>         | Determines whether to verify the peer's certificate of SSL/TLS connections to Elasticsearch for enhanced security. By default, this option is set to true. |
| <b>truststorePath</b>     | Specifies the path to the truststore file, which will contain the Redis server certificate.  |
| <b>truststorePassword</b> | Specifies the password to the truststore file.   |

### Example setting:

```
# Redis Settings
spring:
  data:
    redis:
      ssl:
        enabled: ${REDIS.TLS:false}
        password: ${REDIS.PASSWORD:}
        username: <password>
      tls:
        trustStorePath: ${REDIS.TRUSTSTORE.PATH:}
        trustStorePassword: ${REDIS.TRUSTSTORE.PASSWORD:}
        verifyPeer: ${REDIS.VERIFY.PEER:true}
```

Alternatively, you can set the following environment variables:

- REDIS\_TLS
- REDIS\_PASSWORD
- REDIS\_TRUSTSTORE\_PATH
- REDIS\_TRUSTSTORE\_PASSWORD
- REDIS\_VERIFY\_PEER

## Mutual TLS configuration

In addition to the above TLS configuration, the following settings are required to enable mutual TLS

---

(mTLS) between the GWS application and the Redis server.

| Parameter name          | Description  |
|-------------------------|--|
| <b>keystorePath</b>     | Specifies the path to the keystore file that contains the host certificate, which is sent to the Redis Server. |
| <b>keystorePassword</b> | Specifies the password to the keystore file.   |
| <b>KeyAlias</b>         | Specifies the alias (or name) under which the key is stored in the keystore.                                   |

### Example setting:

```
spring:
  data:
    redis:
      tls:
        keystorePath: /path/to/jksStorage.jks
        keystorePassword: password
        keyAlias: instance
```