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# Web Services and Applications Deployment Guide

HTTPS for Redis

# 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

The following configuration is required for enabling Mutual TLS (mTLS) connection between GWS

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application and 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
```