

### 3 PSK problems

#### PSK contains an odd number of hex-digits

Proxy or agent does not start, message in the proxy or agent log:

```
invalid PSK in file "/home/zabbix/zabbix_proxy.psk"
```

#### PSK identity string longer than 128 bytes is passed to GnuTLS

In TLS client side log:

```
gnutls_handshake() failed: -110 The TLS connection was non-properly terminated.
```

In TLS server side log.

```
gnutls_handshake() failed: -90 The SRP username supplied is illegal.
```

#### PSK longer than 32 bytes is passed to mbed TLS (PolarSSL)

In any Zabbix log:

```
ssl_set_psk(): SSL - Bad input parameters to function
```

#### Too long PSK value used with OpenSSL 1.1.1

In connecting-side log:

```
...OpenSSL library (version OpenSSL 1.1.1 11 Sep 2018) initialized
...
...In zbx_tls_connect(): psk_identity:"PSK 1"
...zbx_psk_client_cb() requested PSK identity "PSK 1"
...End of zbx_tls_connect():FAIL error:'SSL_connect() set result code to
SSL_ERROR_SSL: file ssl\statem\extensions_clnt.c line 801:
error:14212044:SSL routines:tls_construct_ctos_early_data:internal error:
TLS write fatal alert "internal error"'
```

In accepting-side log:

```
...Message from 123.123.123.123 is missing header. Message ignored.
```

## Using Zabbix sender compiled with TLS support to send data to Zabbix server/proxy compiled without TLS

In connecting-side log:

```
...In zbx_tls_init_child()
...OpenSSL library (version OpenSSL 1.1.1 11 Sep 2018) initialized
...
...In zbx_tls_connect(): psk_identity:"PSK test sender"
...End of zbx_tls_connect():FAIL error:'connection closed by peer'
...send value error: TCP successful, cannot establish TLS to
[[localhost]:10051]: connection closed by peer
```

In accepting-side log:

```
...failed to accept an incoming connection: from 127.0.0.1: support for TLS
was not compiled in
```

See also: [Value size limits](#)

From: <https://www.zabbix.com/documentation/4.2/> - **Zabbix Documentation 4.2**

Permanent link: [https://www.zabbix.com/documentation/4.2/manual/encryption/troubleshooting/psk\\_problems?rev=1552555042](https://www.zabbix.com/documentation/4.2/manual/encryption/troubleshooting/psk_problems?rev=1552555042)

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