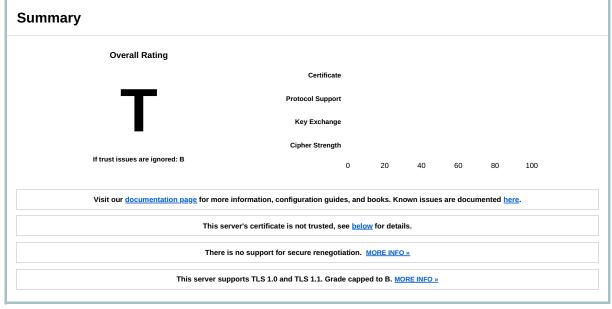
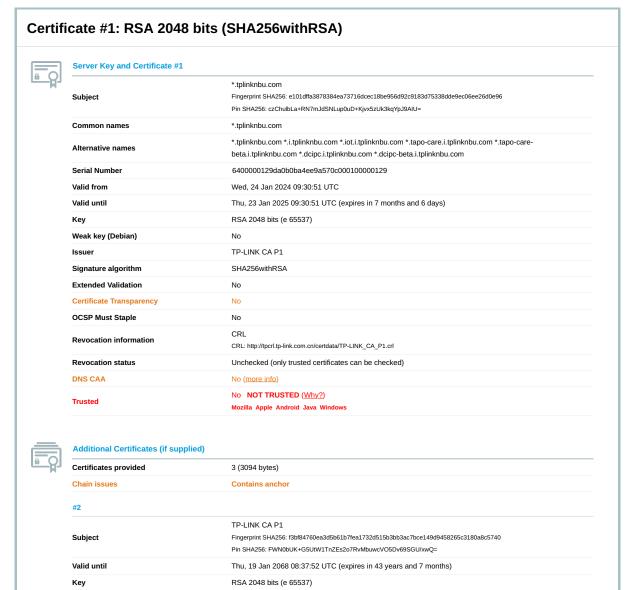
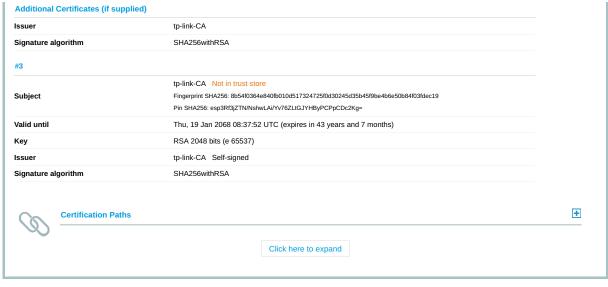
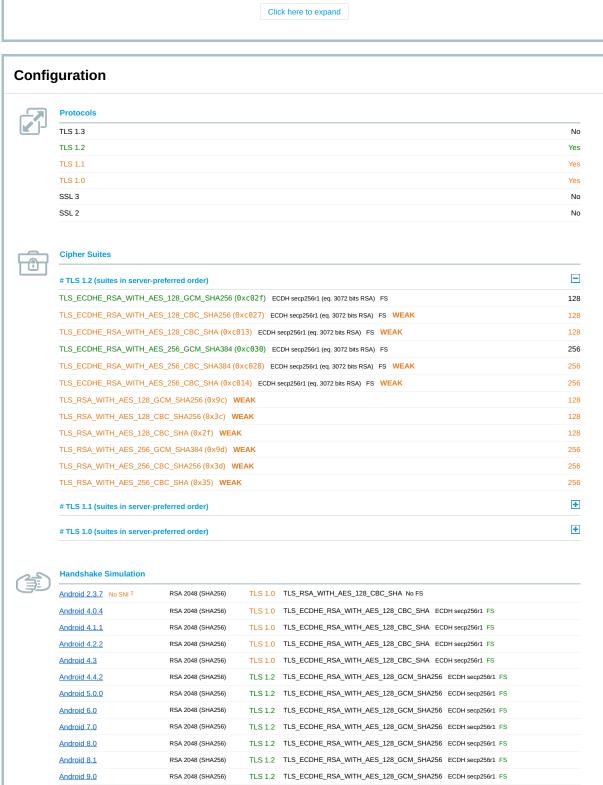
Contact









Baidu Jan 2015	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
BingPreview Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 69 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 70 / Win 10	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 80 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Firefox 47 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Firefox 49 / XP SP3	RSA 2048 (SHA256)		TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Firefox 62 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Firefox 73 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Googlebot Feb 2018	RSA 2048 (SHA256)	TLS 1.2	TLS ECDHE RSA WITH AES 128 GCM SHA256 ECDH secp256r1 FS
E 7 / Vista	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
E 8 / XP No FS ¹ No SNI ²	Server sent fatal alert:		
E 8-10 / Win 7 R	RSA 2048 (SHA256)		TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
<u>E 11 / Win 7</u> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
E 11 / Win 8.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
E 10 / Win Phone 8.0	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
E 11 / Win Phone 8.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
E 11 / Win Phone 8.1 Update R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
E 11 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Edge 15 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Edge 16 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Edge 18 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Edge 13 / Win Phone 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Java 6u45 No SNI ²	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
Java 7u25	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
Java 8u161	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Java 11.0.3	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Java 12.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
OpenSSL 0.9.8y	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
OpenSSL 1.0.1 R	RSA 2048 (SHA256)		TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
OpenSSL 1.0.2s R	RSA 2048 (SHA256)		TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
OpenSSL 1.1.0k R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
OpenSSL 1.1.1c R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 5.1.9 / OS X 10.6.8	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA ECDH secp256r1 FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 6.0.4 / OS X 10.8.4 R	RSA 2048 (SHA256)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
Safari 7 / iOS 7.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 7 / OS X 10.9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 10 / iOS 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
		113 1.2	
Safari 12.1.2 / MacOS 10.14.6 Beta R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 12.1.1 / iOS 12.3.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
YandexBot Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
# Not simulated clients (Protoc	col mismatch)		
E 6 / XP No FS 1 No SNI 2	Protocol mismatch (no	t simulated)	
(1) Clients that do not support Fo	orward Secrecy (FS) are	e excluded v	when determining support for it.
(2) No support for virtual SSL ho	sting (SNI). Connects to	the default	site if the server uses SNI.

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Protocol Details

Renegotiation	Unknown
BEAST attack	Not mitigated server-side (more info) TLS 1.0: 0xc013
POODLE (SSLv3)	No, SSL 3 not supported (more info)
POODLE (TLS)	No (more info)
Zombie POODLE	No (more info) TLS 1.2: 0xc027
GOLDENDOODLE	No (more info) TLS 1.2: 0xc027
OpenSSL 0-Length	No (more info) TLS 1.2: 0xc027
Sleeping POODLE	No (more info) TLS 1.2: 0xc027
Downgrade attack prevention	No, TLS_FALLBACK_SCSV not supported (more info)
SSL/TLS compression	No
RC4	No
Heartbeat (extension)	No
Heartbleed (vulnerability)	No (more info)
Ticketbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	No (more info)
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No (more info)
ROBOT (vulnerability)	No (more info)
Forward Secrecy	With modern browsers (more info)
ALPN	No
ALPN NPN	No
NPN	No
NPN Session resumption (caching)	No (IDs assigned but not accepted)
NPN Session resumption (caching) Session resumption (tickets)	No (IDs assigned but not accepted) No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling	No (IDs assigned but not accepted) No No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS)	No (IDs assigned but not accepted) No No No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading	No (IDs assigned but not accepted) No No No No No Not in: Chrome Edge Firefox IE
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP)	No (IDs assigned but not accepted) No No No No No No (IDs assigned but not accepted) No (more info)
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static)	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No (more info)
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info)
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance TLS extension intolerance	No (IDs assigned but not accepted) No No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info) No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance TLS extension intolerance TLS version intolerance Incorrect SNI alerts Uses common DH primes	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info) No No No No No No No No No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance TLS extension intolerance TLS version intolerance Incorrect SNI alerts Uses common DH primes DH public server param (Ys) reuse	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info) No No No No No No No No No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance TLS extension intolerance TLS version intolerance Incorrect SNI alerts Uses common DH primes DH public server param (Ys) reuse ECDH public server param reuse	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info) No No No No No No No No No
NPN Session resumption (caching) Session resumption (tickets) OCSP stapling Strict Transport Security (HSTS) HSTS Preloading Public Key Pinning (HPKP) Public Key Pinning Report-Only Public Key Pinning (Static) Long handshake intolerance TLS extension intolerance TLS version intolerance Incorrect SNI alerts Uses common DH primes DH public server param (Ys) reuse	No (IDs assigned but not accepted) No No No No Not in: Chrome Edge Firefox IE No (more info) No No (more info) No No No No No No No No No



HTTP Requests

+

1 https://euw1-security.iot.i.tplinknbu.com/ (HTTP/1.1 404 Not Found)



Miscellaneous

Test date	Sun, 16 Jun 2024 17:32:50 UTC	
Test duration	113.196 seconds	
HTTP status code	404	
HTTP server signature	istio-envoy	
Server hostname	ec2-54-170-21-120.eu-west-1.compute.amazonaws.com	

Why is my certificate not trusted?

There are many reasons why a certificate may not be trusted. The exact problem is indicated on the report card in bright red. The problems fall into three categories:

- 1. Invalid certificate
- 2. Invalid configuration
- 3. Unknown Certificate Authority

1. Invalid certificate

A certificate is invalid if:

- It is used before its activation date
- . It is used after its expiry date
- Certificate hostnames don't match the site hostname
- It has been revoked
- It has insecure signature
- It has been blacklisted

2. Invalid configuration

In some cases, the certificate chain does not contain all the necessary certificates to connect the web server certificate to one of the root certificates in our trust store. Less commonly, one of the certificates in the chain (other than the web server certificate) will have expired, and that invalidates the entire chain.

3. Unknown Certificate Authority

In order for trust to be established, we must have the root certificate of the signing Certificate Authority in our trust store. SSL Labs does not maintain its own trust store; instead we use the store maintained by Mozilla.

If we mark a web site as not trusted, that means that the average web user's browser will not trust it either. For certain special groups of users, such web sites can still be secure. For example, if you can securely verify that a self-signed web site is operated by a person you trust, then you can trust that self-signed web site too. Or, if you work for an organisation that manages its own trust, and you have their own root certificate already embedded in your browser. Such special cases do not work for the general public, however, and this is what we indicate on our report card.

4. Interoperability issues

In some rare cases trust cannot be established because of interoperability issues between our code and the code or configuration running on the server. We manually review such cases, but if you encounter such an issue please feel free to contact us. Such problems are very difficult to troubleshoot and you may be able to provide us with information that might help us determine the root cause.

SSL Report v2.3.0

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