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SSL Report: lt-2021-024.ml (34.121.22.28)

Assessed on: Tue, 03 Aug 2021 10:31:08 UTC | [Hide](#) | [Clear cache](#)

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Summary

Overall Rating

A

Certificate

Protocol Support

Key Exchange


Cipher Strength

020406080100

Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).


This server supports TLS 1.3.

Certificate #1: RSA 2048 bits (SHA256withRSA)



Server Key and Certificate #1

Subject	lt-2021-024.ml Fingerprint SHA256: 96163599348a3687db5e793c9dc618cc3c9c19117c4c55dfd9ce3afa62c40b19 Pin SHA256: 2XYqPXcVvAS/BZuCWpPqGK2w9UTFH/ehe3SmDNjzRJo=
Common names	lt-2021-024.ml
Alternative names	lt-2021-024.ml www.lt-2021-024.ml
Serial Number	035cfabe0e8c5a32dec0385798a0a4fe55e1
Valid from	Sun, 01 Aug 2021 19:35:28 UTC
Valid until	Sat, 30 Oct 2021 19:35:26 UTC (expires in 2 months and 27 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	R3 AIA: <a href="http://r3.i.lencr.org/">http://r3.i.lencr.org/</a>
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation information	OCSP <a href="http://r3.o.lencr.org">OCSP: http://r3.o.lencr.org</a>
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	3 (4025 bytes)
Chain issues	None

#2

	R3
Subject	Fingerprint SHA256: 67add1166b020ae61b8f5fc96813c04c2aa589960796865572a3c7e737613dfd Pin SHA256: jQJTbIh0grw0/1TkHSumWb+FsoGgogr621gT3PvPKG0=

Additional Certificates (if supplied)

Valid until	Mon, 15 Sep 2025 16:00:00 UTC (expires in 4 years and 1 month)
Key	RSA 2048 bits (e 65537)
Issuer	ISRG Root X1
Signature algorithm	SHA256withRSA
#3	
Subject	ISRG Root X1 Fingerprint SHA256: 6d99fb265eb1c5b3744765fcbc648f3cd8e1bffa4dc4c2f99b9d47cf7f1c24f Pin SHA256: C5+lpZ7tcVwmwQIMcRtPbsQtWLABXhQzejna0wHFr8M=
Valid until	Mon, 30 Sep 2024 18:14:03 UTC (expires in 3 years and 1 month)
Key	RSA 4096 bits (e 65537)
Issuer	DST Root CA X3
Signature algorithm	SHA256withRSA



Certification Paths



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Configuration



Protocols

TLS 1.3	Yes
TLS 1.2	Yes
TLS 1.1	No
TLS 1.0	No
SSL 3	No
SSL 2	No



Cipher Suites

# TLS 1.3 (server has no preference)			
TLS_AES_128_GCM_SHA256 (0x1301)	ECDH x25519 (eq. 3072 bits RSA) FS		128
TLS_AES_256_GCM_SHA384 (0x1302)	ECDH x25519 (eq. 3072 bits RSA) FS		256
TLS_CHACHA20_POLY1305_SHA256 (0x1303)	ECDH x25519 (eq. 3072 bits RSA) FS		256
# TLS 1.2 (server has no preference)			
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH secp521r1 (eq. 15360 bits RSA) FS <b>WEAK</b>		128
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x9e)	DH 2048 bits FS		128
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH secp521r1 (eq. 15360 bits RSA) FS		128
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x9f)	DH 2048 bits FS		256
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH secp521r1 (eq. 15360 bits RSA) FS		256
TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xc0a8)	ECDH secp521r1 (eq. 15360 bits RSA) FS		256



Handshake Simulation

<a href="#">Android 4.4.2</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp521r1 FS
<a href="#">Android 5.0.0</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp521r1 FS
<a href="#">Android 6.0</a>	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
<a href="#">Android 7.0</a>	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256	ECDH x25519 FS
<a href="#">Android 8.0</a>	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256	ECDH x25519 FS
<a href="#">Android 8.1</a>	-	TLS 1.3	TLS_CHACHA20_POLY1305_SHA256	ECDH x25519 FS
<a href="#">Android 9.0</a>	-	TLS 1.3	TLS_CHACHA20_POLY1305_SHA256	ECDH x25519 FS
<a href="#">BingPreview Jan 2015</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp521r1 FS
<a href="#">Chrome 49 / XP SP3</a>	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
<a href="#">Chrome 69 / Win 7</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519 FS

Handshake Simulation

<a href="#">Chrome 70 / Win 10</a>	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519	FS
<a href="#">Chrome 80 / Win 10</a> R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519	FS
<a href="#">Firefox 31.3.0 ESR / Win 7</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
<a href="#">Firefox 47 / Win 7</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
<a href="#">Firefox 49 / XP SP3</a>	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
<a href="#">Firefox 62 / Win 7</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS
<a href="#">Firefox 73 / Win 10</a> R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519	FS
<a href="#">Googlebot Feb 2018</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS
<a href="#">IE 11 / Win 7</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">IE 11 / Win 8.1</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">IE 11 / Win Phone 8.1</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">IE 11 / Win Phone 8.1 Update</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">IE 11 / Win 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Edge 15 / Win 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519	FS
<a href="#">Edge 16 / Win 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519	FS
<a href="#">Edge 18 / Win 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519	FS
<a href="#">Edge 13 / Win Phone 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Java 8u161</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Java 11.0.3</a>	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1	FS
<a href="#">Java 12.0.1</a>	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1	FS
<a href="#">OpenSSL 1.0.1l</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp521r1	FS
<a href="#">OpenSSL 1.0.2s</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">OpenSSL 1.1.0k</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519	FS
<a href="#">OpenSSL 1.1.1c</a> R	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS
<a href="#">Safari 6 / iOS 6.0.1</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Safari 7 / iOS 7.1</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Safari 7 / OS X 10.9</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Safari 8 / iOS 8.4</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Safari 8 / OS X 10.10</a> R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
<a href="#">Safari 9 / iOS 9</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Safari 9 / OS X 10.11</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Safari 10 / iOS 10</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Safari 10 / OS X 10.12</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Safari 12.1.2 / MacOS 10.14.6 Beta</a> R	-	TLS 1.3	TLS_CHACHA20_POLY1305_SHA256	ECDH x25519	FS
<a href="#">Safari 12.1.1 / iOS 12.3.1</a> R	-	TLS 1.3	TLS_CHACHA20_POLY1305_SHA256	ECDH x25519	FS
<a href="#">Apple ATS 9 / iOS 9</a> R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
<a href="#">Yahoo Slurp Jan 2015</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp384r1	FS
<a href="#">YandexBot Jan 2015</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp521r1	FS

# Not simulated clients (Protocol mismatch)

Click here to expand

- (1) Clients that do not support Forward Secrecy (FS) are excluded when determining support for it.
- (2) No support for virtual SSL hosting (SNI). Connects to the default site if the server uses SNI.
- (3) Only first connection attempt simulated. Browsers sometimes retry with a lower protocol version.
- (R) Denotes a reference browser or client, with which we expect better effective security.
- (All) We use defaults, but some platforms do not use their best protocols and features (e.g., Java 6 & 7, older IE).
- (All) Certificate trust is not checked in handshake simulation, we only perform TLS handshake.**



Protocol Details

	No, server keys and hostname not seen elsewhere with SSLv2
DROWN	(1) For a better understanding of this test, please read <a href="#">this longer explanation</a> (2) Key usage data kindly provided by the <a href="#">Censys</a> network search engine; original DROWN website <a href="#">here</a> (3) Censys data is only indicative of possible key and certificate reuse; possibly out-of-date and not complete
Secure Renegotiation	Supported
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No

Protocol Details	
BEAST attack	Mitigated server-side ( <a href="#">more info</a> )
POODLE (SSLv3)	No, SSL 3 not supported ( <a href="#">more info</a> )
POODLE (TLS)	No ( <a href="#">more info</a> )
Zombie POODLE	No ( <a href="#">more info</a> ) TLS 1.2 : 0xc013
GOLDENDOODLE	No ( <a href="#">more info</a> ) TLS 1.2 : 0xc013
OpenSSL 0-Length	No ( <a href="#">more info</a> ) TLS 1.2 : 0xc013
Sleeping POODLE	No ( <a href="#">more info</a> ) TLS 1.2 : 0xc013
Downgrade attack prevention	Yes, TLS_FALLBACK_SCSV supported ( <a href="#">more info</a> )
SSL/TLS compression	No
RC4	No
Heartbeat (extension)	No
Heartbleed (vulnerability)	No ( <a href="#">more info</a> )
Ticketbleed (vulnerability)	No ( <a href="#">more info</a> )
OpenSSL CCS vuln. (CVE-2014-0224)	No ( <a href="#">more info</a> )
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No ( <a href="#">more info</a> )
ROBOT (vulnerability)	No ( <a href="#">more info</a> )
Forward Secrecy	Yes (with most browsers) ROBUST ( <a href="#">more info</a> )
ALPN	Yes http/1.1
NPN	Yes http/1.1
Session resumption (caching)	Yes
Session resumption (tickets)	No
OCSP stapling	No
Strict Transport Security (HSTS)	No
HSTS Preloading	Not in: Chrome Edge Firefox IE
Public Key Pinning (HPKP)	No ( <a href="#">more info</a> )
Public Key Pinning Report-Only	No
Public Key Pinning (Static)	No ( <a href="#">more info</a> )
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	No
Incorrect SNI alerts	No
Uses common DH primes	No
DH public server param (Ys) reuse	No
ECDH public server param reuse	No
Supported Named Groups	secp256r1, secp384r1, secp521r1, x25519, x448 (Server has no preference)
SSL 2 handshake compatibility	No
0-RTT enabled	No



HTTP Requests	
1	https://lt-2021-024.ml/ (HTTP/1.1 200 OK)



Miscellaneous	
Test date	Tue, 03 Aug 2021 10:30:04 UTC
Test duration	63.842 seconds
HTTP status code	200
HTTP server signature	nginx/1.18.0 (Ubuntu)
Server hostname	28.22.121.34.bc.googleusercontent.com

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