

Firefox ESNI (warning) 3
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ESNI 3
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Firefox ESNI (warning)

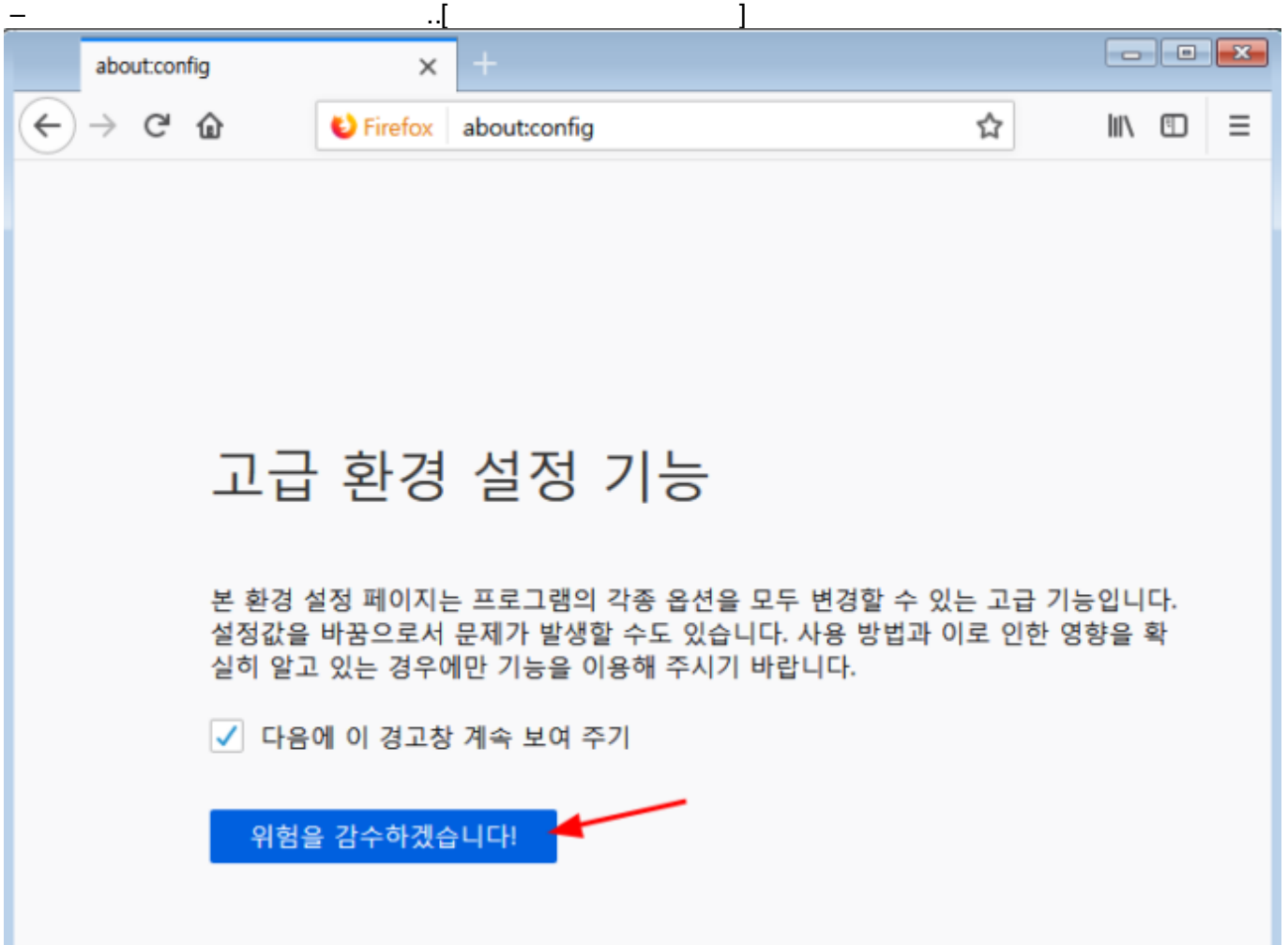
: <http://jaewook.net/archives/9176>

64.0.0 Firefox ESNI Firefox

: <https://www.mozilla.org/ko/firefox/new/>

ESNI

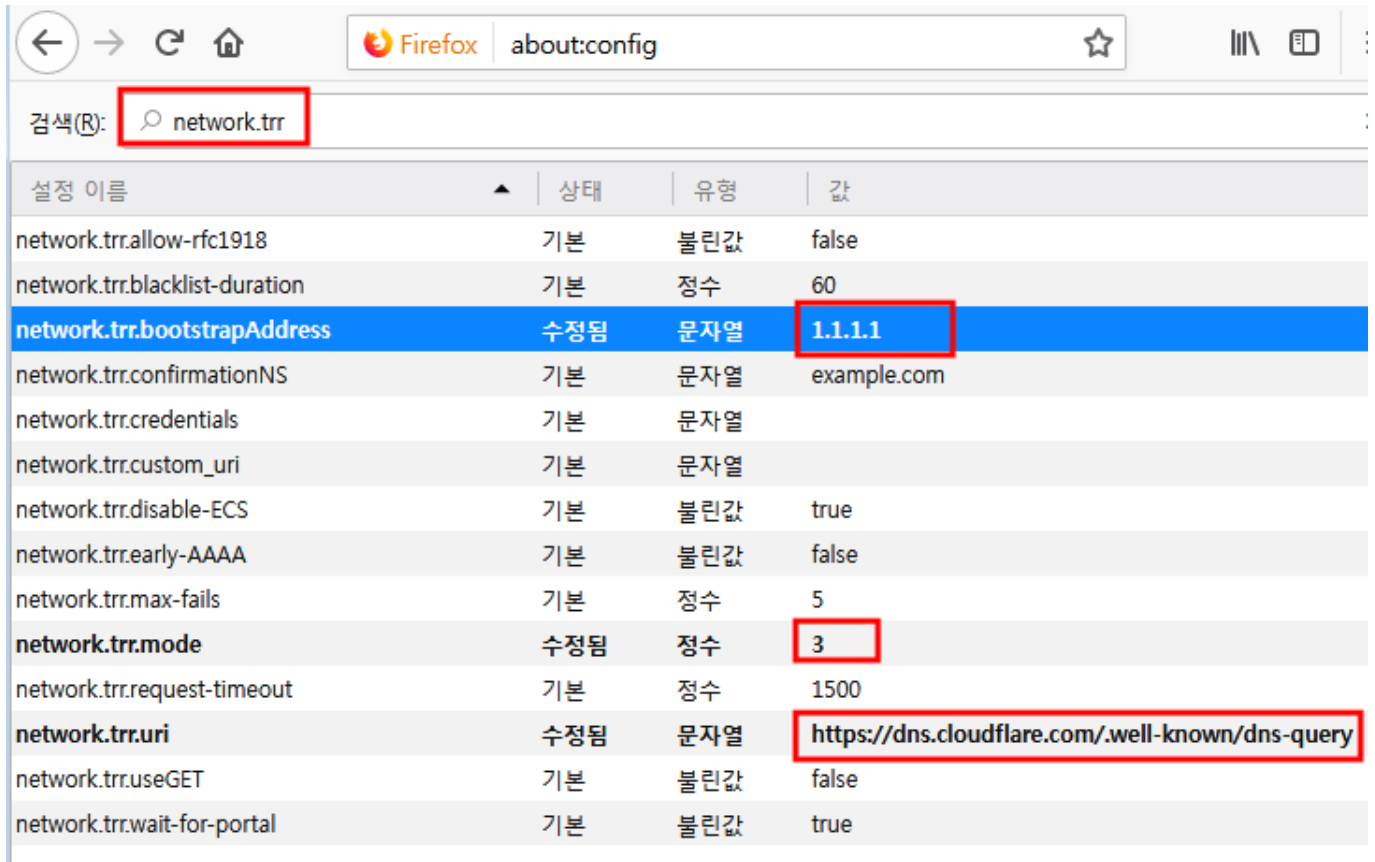
• about:config



• DNS (Dns over https)

network.trr 가
network.trr.uri Firefox

```
network.trr.bootstrapAddress 1.1.1.1  
network.trr.mode 3  
network.trr.uri https://dns.cloudflare.com/.well-known/dns-query
```



설정 이름	상태	유형	값
network.trr.allow-rtc1918	기본	불린값	false
network.trr.blacklist-duration	기본	정수	60
network.trr.bootstrapAddress	수정됨	문자열	1.1.1.1
network.trr.confirmationNS	기본	문자열	example.com
network.trr.credentials	기본	문자열	
network.trr.custom_uri	기본	문자열	
network.trr.disable-ECS	기본	불린값	true
network.trr.early-AAAA	기본	불린값	false
network.trr.max-fails	기본	정수	5
network.trr.mode	수정됨	정수	3
network.trr.request-timeout	기본	정수	1500
network.trr.uri	수정됨	문자열	https://dns.cloudflare.com/.well-known/dns-query
network.trr.useGET	기본	불린값	false
network.trr.wait-for-portal	기본	불린값	true

- ESNi

esni

```
network.security.esni.enabled true
```

The screenshot shows the Firefox 'about:config' page with a search filter 'network.trr'. Several settings are highlighted with red boxes: 'network.trr.bootstrapAddress' is set to '1.1.1.1', 'network.trr.mode' is set to '3', and 'network.trr.uri' is set to 'https://dns.cloudflare.com/well-known/dns-query'. The search bar itself is also highlighted.

설정 이름	상태	유형	값
network.trr.allow-rtc1918	기본	불린값	false
network.trr.blacklist-duration	기본	정수	60
network.trr.bootstrapAddress	수정됨	문자열	1.1.1.1
network.trr.confirmationNS	기본	문자열	example.com
network.trr.credentials	기본	문자열	
network.trr.custom_uri	기본	문자열	
network.trr.disable-ECS	기본	불린값	true
network.trr.early-AAAA	기본	불린값	false
network.trr.max-fails	기본	정수	5
network.trr.mode	수정됨	정수	3
network.trr.request-timeout	기본	정수	1500
network.trr.uri	수정됨	문자열	https://dns.cloudflare.com/well-known/dns-query
network.trr.useGET	기본	불린값	false
network.trr.wait-for-portal	기본	불린값	true

- ESNI

Firefox

[Check My Browser]

<https://www.cloudflare.com/ssl/encrypted-sni/>

The screenshot shows the Cloudflare 'Browsing Experience Security Check' page. The page title is 'Browsing Experience Security Check' with the subtitle 'How secure is your browsing experience?'. The main text explains that the page tests DNS queries, DNSSEC, TLS, and encrypted SNI. A large orange button labeled 'Check My Browser' is at the bottom.

DNS



Sign Up Now

Browsing Experience Security Check

How secure is your browsing experience?

When you browse websites, there are several points where your privacy could be compromised, such as by your ISP or the coffee shop owner providing your WiFi connection. This page automatically tests whether your DNS queries and answers are encrypted, whether your DNS resolver uses DNSSEC, which version of TLS is used to connect to the page, and whether your browser supports encrypted Server Name Indication (SNI).

Run the test again

✓ Secure DNS

You are using encrypted DNS transport with 1.1.1.1

Nobody listening on the wire can see the DNS queries you make when you are browsing the Internet.

[Learn More...](#)

✓ DNSSEC

Your resolver validates DNS responses with DNSSEC.

Attackers cannot trick you into visiting a fake website by manipulating DNS responses for domains that are outside their control.

[Learn More...](#)

✓ TLS 1.3

Your browser supports TLS 1.3, which encrypts the server certificate.

Nobody snooping on the wire can see the certificate of the website you made a TLS connection to.

[Learn More...](#)

✓ Encrypted SNI

Your browser encrypted the SNI when visiting this page.

Nobody listening on the wire can see the website you made a TLS connection to.

[Learn More...](#)

- Firefox SNI

Firefox

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Firefox

SNI

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- <http://jaewook.net/archives/9176>

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