

Manual Kemaskini *Transport Security Layer* (TLS) ver. 1.2

Sistem Operasi Windows XP / Vista

Keperluan

Minimum Browser Version

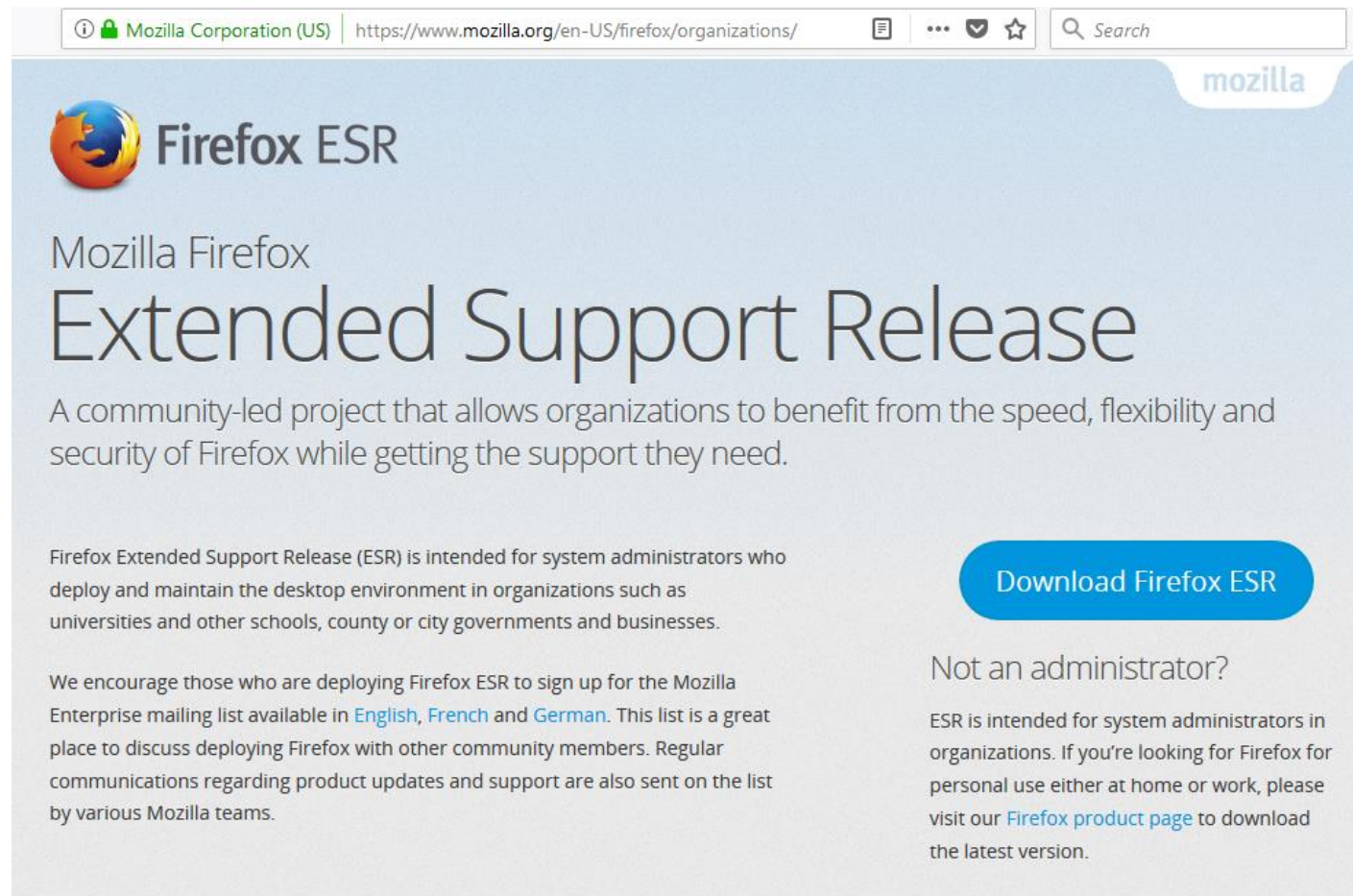
- Microsoft Internet Explorer 10 and above
- Firefox 48.0 and above
- Opera 43.0.2442.21 and above
- Safari 9.0 and above
- Chrome 52.0.0.11657 and above

Recommended Browser Version

- Microsoft Internet Explorer 11
- Firefox 55.0
- Opera 45.0.2539.0
- Safari 10.3.3.2205
- Chrome 59.0.3051.0

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1. Muat turun browser Firefox ESR (Extended Support Release) dan laksana instalasi. **Abaikan jika telah instalasi.**

A screenshot of a web browser displaying the Mozilla Firefox ESR website. The browser's address bar shows the URL "https://www.mozilla.org/en-US/firefox/organizations/" and the Mozilla Corporation logo. The page features the Firefox ESR logo, a "mozilla" badge, and the heading "Extended Support Release". Below the heading is a paragraph describing the project as a community-led effort for organizations. A blue button labeled "Download Firefox ESR" is prominent. To the right, there is a section titled "Not an administrator?" with text explaining that ESR is for system administrators and directing users to the Firefox product page for personal use.

Firefox ESR

Mozilla Firefox

Extended Support Release

A community-led project that allows organizations to benefit from the speed, flexibility and security of Firefox while getting the support they need.

Firefox Extended Support Release (ESR) is intended for system administrators who deploy and maintain the desktop environment in organizations such as universities and other schools, county or city governments and businesses.

We encourage those who are deploying Firefox ESR to sign up for the Mozilla Enterprise mailing list available in [English](#), [French](#) and [German](#). This list is a great place to discuss deploying Firefox with other community members. Regular communications regarding product updates and support are also sent on the list by various Mozilla teams.

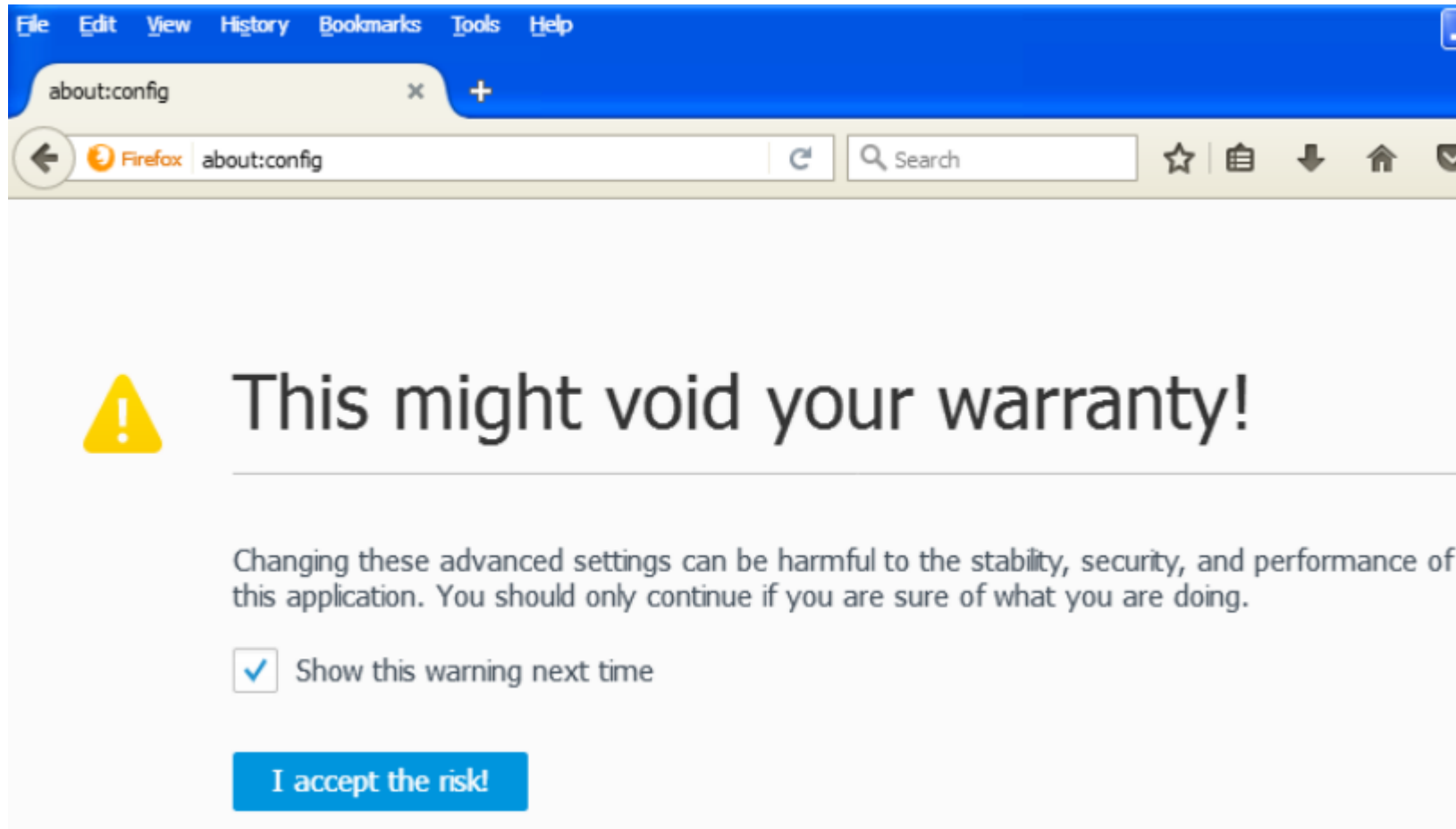
[Download Firefox ESR](#)

Not an administrator?

ESR is intended for system administrators in organizations. If you're looking for Firefox for personal use either at home or work, please visit our [Firefox product page](#) to download the latest version.

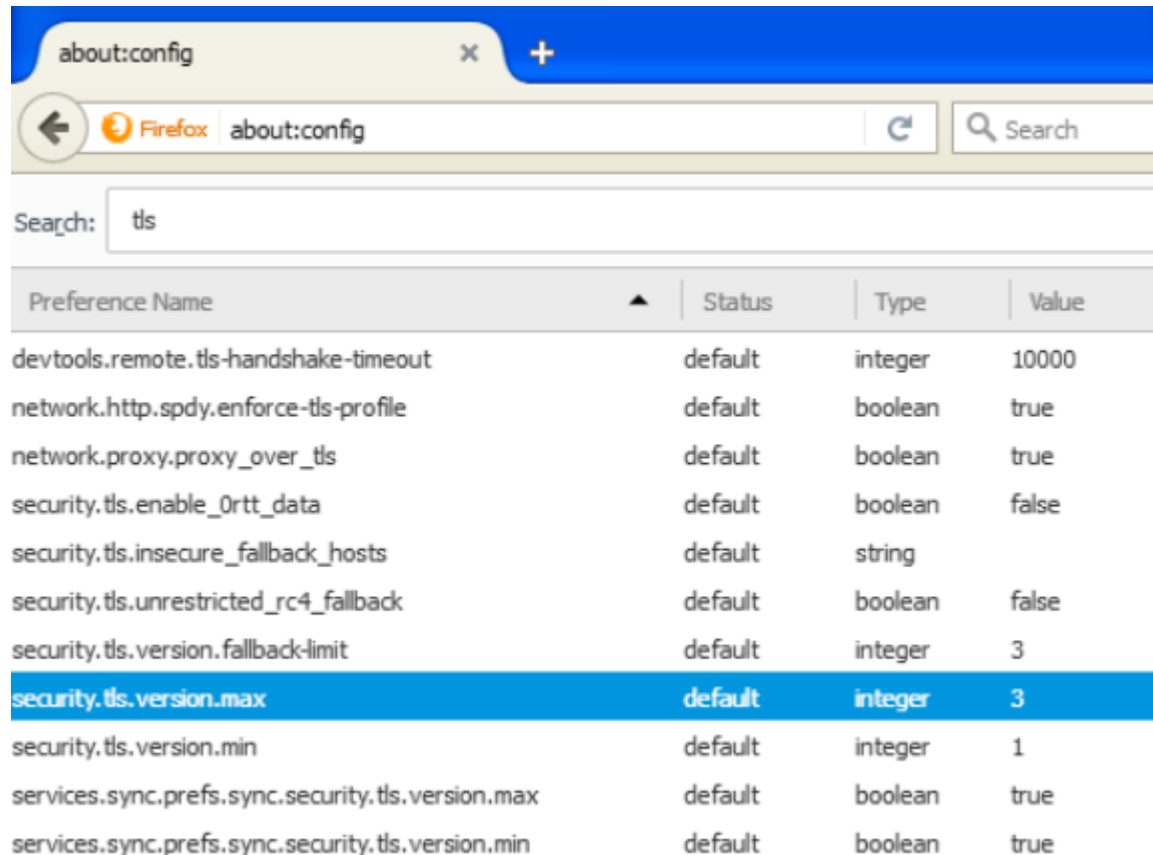
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2. Taip **about:config** dan enter. Kemudian klik pada “**I accept the risk**”



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3. Taip **tls** pada search box.



The screenshot shows the Firefox 'about:config' page with a search box containing 'tls'. Below the search box is a table of preference names, their status, type, and value. The row for 'security.tls.version.max' is highlighted in blue.

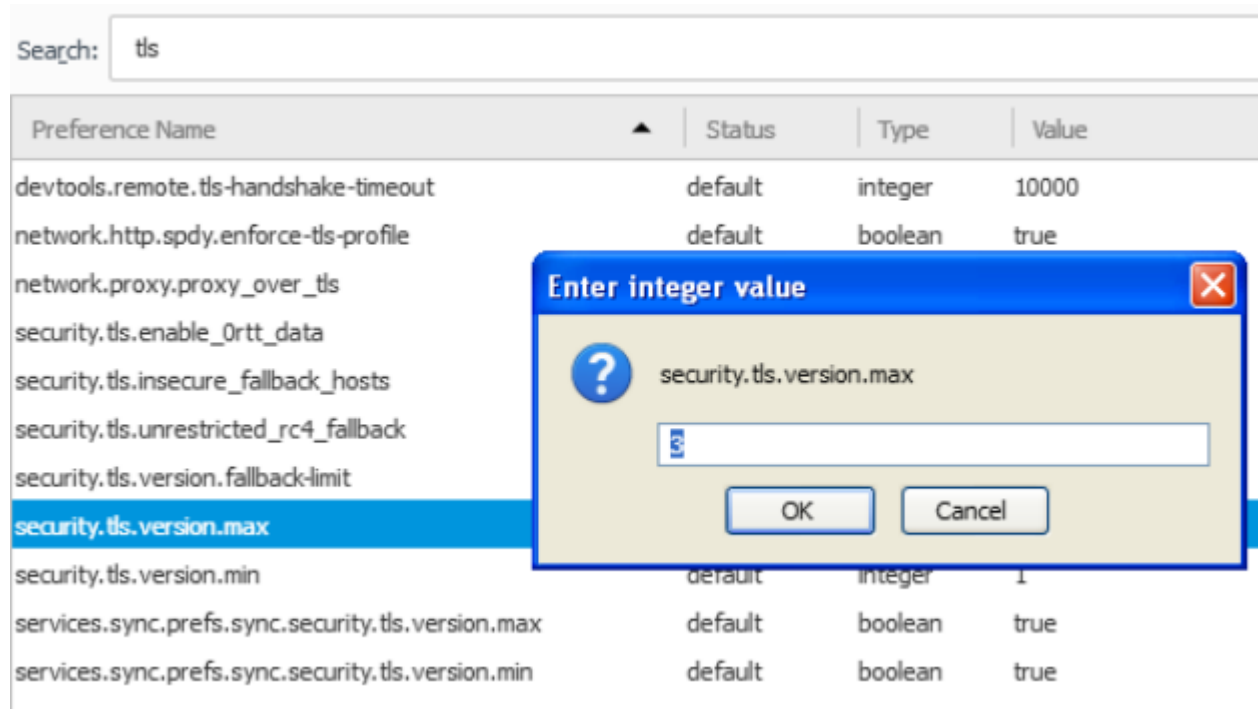
Preference Name	Status	Type	Value
devtools.remote.tls-handshake-timeout	default	integer	10000
network.http.spdy.enforce-tls-profile	default	boolean	true
network.proxy.proxy_over_tls	default	boolean	true
security.tls.enable_Ortt_data	default	boolean	false
security.tls.insecure_fallback_hosts	default	string	
security.tls.unrestricted_rc4_fallback	default	boolean	false
security.tls.version.fallback-limit	default	integer	3
security.tls.version.max	default	integer	3
security.tls.version.min	default	integer	1
services.sync.prefs.sync.security.tls.version.max	default	boolean	true
services.sync.prefs.sync.security.tls.version.min	default	boolean	true

There are TLS settings prefs on the **about:config** page that specify the minimum and maximum TLS version.

- security.tls.version.max = 3 (TLS 1.2)
- security.tls.version.min = 1 (TLS 1.0)
- 1 means TLS 1.0; 2 means TLS 1.1; 3 means TLS 1.2; 4 means TLS 1.3;

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4. Jika nilai **security.tls.version.max** selain dari **3**, kemaskini nilai kepada **3** dengan double click pada row **security.tls.version.max**



The screenshot shows the Windows registry editor with a search filter of 'tls'. A table of registry preferences is displayed, with the row for 'security.tls.version.max' highlighted in blue. A dialog box titled 'Enter integer value' is overlaid on the table, showing a question mark icon, the preference name 'security.tls.version.max', and a text input field containing the value '3'. The dialog box has 'OK' and 'Cancel' buttons.

Preference Name	Status	Type	Value
devtools.remote.tls-handshake-timeout	default	integer	10000
network.http.spdy.enforce-tls-profile	default	boolean	true
network.proxy.proxy_over_tls			
security.tls.enable_Ortt_data			
security.tls.insecure_fallback_hosts			
security.tls.unrestricted_rc4_fallback			
security.tls.version.fallback-limit			
security.tls.version.max			
security.tls.version.min	default	integer	1
services.sync.prefs.sync.security.tls.version.max	default	boolean	true
services.sync.prefs.sync.security.tls.version.min	default	boolean	true

Terima kasih