



Zscaler Commands

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aup

To configure Zscaler acceptable user policy (AUP) parameters, use the **aup** command in zscaler location settings configuration (config-zscaler-location-settings) mode.

```
aup { disabled | block-internet-until-accepted false | force-ssl-inspection false | timeout time }
```

Syntax Description		
	disabled	Only this option is qualified for use.
	block-internet-until-accepted false	Only the false option is qualified for use.
	force-ssl-inspection false	Only the false option is qualified for use.
	timeout <i>time</i>	Use the value 0.

Command Default disabled

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

```

Device (config) # sdwan

Device (config-sdwan) # service sig vrf global
Device (config-vrf-global) # zscaler-location-settings
Device (config-zscaler-location-settings) # aup disabled
Device (config-zscaler-location-settings) # aup block-internet-until-accepted false
Device (config-zscaler-location-settings) # aup force-ssl-inspection false
Device (config-zscaler-location-settings) # aup timeout 0

```

auth-required

To configure Zscaler authentication, use the **auth-required** command in zscaler location settings configuration (config-zscaler-location-settings) mode. To disable Zscaler authentication, use the **no** form of this command.

auth-required false

no auth-required

Syntax Description **false** Disables the authentication.
Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.

Command Default This command is enabled by default.

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines The following example shows how to disable the authentication:

```

Device (config) # sdwan

Device (config-sdwan) # service sig vrf global
Device (config-vrf-global) # zscaler-location-settings
Device (config-zscaler-location-settings) # auth-required
Device (config-zscaler-location-settings) # auth-required false

```

caution-enabled

To enable or disable Zscaler caution notification, use the **caution-enabled** command in zscaler location settings configuration (config-zscaler-location-settings) mode.

caution-enabled false

Syntax Description	false Only this option is qualified for use.				
Command Default	false				
Command Modes	zscaler location settings configuration (config-zscaler-location-settings)				
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>Cisco IOS XE Catalyst SD-WAN Release 17.5.1a</td> <td>Command qualified for use in Cisco SD-WAN Manager CLI templates.</td> </tr> </tbody> </table>	Release	Modification	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.
Release	Modification				
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.				

```
Device(config)# sdwan
```

```
Device(config-sdwan)# service sig vrf global
Device(config-vrf-global)# zscaler-location-settings
Device(config-zscaler-location-settings)# aup disabled
Device(config-zscaler-location-settings)# aup block-internet-until-accepted false
Device(config-zscaler-location-settings)# aup force-ssl-inspection false
Device(config-zscaler-location-settings)# aup timeout 0
Device(config-zscaler-location-settings)# caution-enabled false
```

datacenters

To configure Zscaler custom data centers, use the **datacenters** command in zscaler location settings configuration (config-zscaler-location-settings) mode. To disable Zscaler custom datacenters, use the **no** form of this command.

datacenters primary-data-center *primary-data-center1*

no datacenters primary-data-center *primary-data-center1*

Syntax Description	<p>primary-data-center <i>primary-data-center1</i></p> <p>Configures primary data center.</p> <p>Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.</p>
Command Default	
Command Modes	zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to custom primary data center:

```
Device(config)# sdwan

Device(config-sdwan)# service sig vrf global
Device(config-vrf-global)# zscaler-location-settings
Device(config-zscaler-location-settings)# datacenters
Device(config-zscaler-location-settings)# datacenters primary-data-center
viel-vpn.zscalerthree.net
```

ips-control

To configure the Zscaler intrusion prevention service (IPS), use the **ips-control** command in zscaler location settings configuration (config-zscaler-location-settings) mode.

ips-control false

Syntax Description	false Only this option is qualified for use.
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Command Default	false
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Command Modes	zscaler location settings configuration (config-zscaler-location-settings)
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Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

```
Device(config)# sdwan

Device(config-sdwan)# service sig vrf global
Device(config-vrf-global)# zscaler-location-settings
Device(config-zscaler-location-settings)# ips-control false
```

ofw-enabled

To enable or disable the firewall for a Zscaler location, use the **ofw-enabled** command in Zscaler location settings configuration mode. To disable the firewall for a Zscaler location, use the **no** form of this command.

ofw-enabled false
no ofw-enabled

Syntax Description

false	Disables the firewall for each location. Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.
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Command Default

This command is enabled by default.

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

For usage guidelines, see the [Security Configuration Guide](#).

Examples

The following example shows how to disable the firewall for a location:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# ofw-enabled false
```

secure-internet-gateway

To configure secure internet gateway, use the **secure-internet-gateway** command in SD-WAN configuration (config-sdwan) mode.

```
secure-internet-gateway zscaler { organization | partner-base-uri | partner-key | password | username
}
```

organization	Organization
partner-base-uri	Base URI to be used for the APIs
partner-key	Partner API Key to authenticate with API gateway
password	Password of Zscaler partner account
username	Username of Zscaler partner account

Command Default**Command Modes**

SD-WAN configuration (config-sdwan)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to configure location settings mode:

```
Device(config)# sdwan

Device(config-sdwan)# secure-internet-gateway
Device(config-secure-internet-gateway)# zscaler organization cisco-dev.com
Device(config-secure-internet-gateway)#zscaler partner-base-uri admin.zscalerthree.net/api/v1
Device(config-secure-internet-gateway)#zscaler partner-key SAGv4U2lwh9R
Device(config-secure-internet-gateway)#zscaler username sig-dev@cisco-dev.com
Device(config-secure-internet-gateway)#zscaler password
$8$00i/6etiDQsqcm+B4yetJDPaYBx1x0wQujnz3pqQG7s=
```

ssl-scan-enabled

To configure Zscaler Secure Sockets Layer (SSL) protocol scan to protect HTTP traffic, use the **ssl-scan** command in zscaler location settings configuration (config-zscaler-location-settings) mode. To disable this command, use the **no** form of this command.

ssl-scan-enabled false

no ssl-scan-enabled

Syntax Description

false Disables the SSL scan in location settings.

Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.

Command Default

This command is disabled by default.

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to disable SSL scan:

```
Device(config)# sdwan

Device(config-sdwan)# service sig vrf global
Device(config-vrf-global)# zscaler-location-settings
Device(config-zscaler-location-settings)# ssl-scan-enabled false
```

surrogate display-time-unit

To display the duration for which the Zscaler service maps a private IP address to a user, use the **surrogate display-time-unit** command in Zscaler location settings configuration mode. To restore the default value, use the **no** form of this command.

surrogate display-time-unit [DAY | HOUR | MINUTE]
no surrogate display-time-unit

Syntax Description	DAY	(Optional) Displays the number of days of mapping between a private IP address and a user.
	HOUR	(Optional) Displays the number of hours of mapping between a private IP address and a user.
	MINUTES	(Optional) Displays the number of minutes of mapping between a private IP address and a user.

Command Default The default display time unit is 60 seconds.

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines For usage guidelines, see the [Security Configuration Guide](#).

Examples The following example shows how to configure the duration in minutes for which the Zscaler service maps a private IP address to a user:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate display-time-unit MINUTE
```

surrogate idle-time

To specify how long after a completed transaction, the Zscaler service mapping to a private IP address of a user is retained, use the **surrogate idle-time** command in Zscaler location settings configuration mode. To remove the Zscaler service mapping to a private IP address of a user, use the **no** form of this command.

surrogate idle-time *idle-time*
no surrogate idle-time

Syntax Description

<i>idle-time</i>	Specifies the time in minutes until which the Zscaler service mapping between the private IP address and a user is retained. Range: 0–4294967295
------------------	---

Command Default

Disabled; no default number is specified.

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

For usage guidelines, see the [Security Configuration Guide](#).

Examples

The following example specifies the time until which the Zscaler service mapping between the private IP address and a user is retained:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate idle-time 43
```

surrogate ip

To enable the Zscaler service to map a user to a private IP address so that it can apply the user's policies, use the **surrogate ip** command in Zscaler location settings configuration mode. To disable the Zscaler service to map to a private IP address, use the **no** form of this command.

surrogate ip false

no surrogate ip

Syntax Description

false	Disables the mapping of a user to a device IP address. Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.
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Command Default

By default, this command is set to false.

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

For usage guidelines, see the [Security Configuration Guide](#).

Examples

The following example shows how to disable surrogate ip:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate ip false
```

surrogate ip-enforced-for-known-browsers

To use the existing mapping between IP address and user (acquired from surrogate IP) to authenticate users sending traffic from known browsers, use the **surrogate ip-enforced-for-known-browsers** command in Zscaler location settings configuration mode. To disable the user authentication from known browsers, use the **no** form of this command.

```
surrogate ip-enforced-for-known-browsers false
no surrogate ip-enforced-for-known-browsers
```

Syntax Description

false	Disables the Zscaler service to authenticate users on browsers with cookies or other configured authentication mechanisms. Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.
--------------	--

Command Default

This command is enabled by default.

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

For usage guidelines, see the [Security Configuration Guide](#).

Examples

The following example shows how to disable authenticating users who send traffic from known browsers:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate ip-enforced-for-known-browsers false
```

surrogate refresh-time

To configure the length of time that the Zscaler service can use to map between IP address and user, use the **surrogate refresh-time** command in Zscaler location settings configuration mode. To remove the refresh time for revalidation of surrogacy, use the **no** form of this command.

surrogate refresh-time *refresh-time*
no surrogate refresh-time

Syntax Description	<p><i>refresh-time</i> Specifies the length of time that the Zscaler service can use to map between IP address and user for authenticating users who sends traffic from known browsers.</p> <p>Range: 0–4294967295</p> <p>Note We recommend that you set the refresh time to a time period shorter than that you specified for the idle time to disassociation.</p>
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Command Default This command is disabled by default.

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines For usage guidelines, see the [Security Configuration Guide](#).

Examples The following example specifies the length of time that the Zscaler service can use to map between IP address and user:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate refresh-time 0
```

surrogate refresh-time-unit

To view the duration of time that the Zscaler service takes to map IP address to a user, use the **surrogate refresh-time-unit** command in Zscaler location settings configuration mode. To restore the default display of time, use the **no** form of this command.

surrogate refresh-time-unit [DAY | HOUR | MINUTE]
no surrogate refresh-time-unit

Syntax Description	DAY	Displays number of days of mapping between a private IP address and a user for authenticating users who send traffic from a known browser.
	HOURL	Displays the number of hours of mapping between a private IP address and a user for authenticating users who send traffic from a known browser.
	MINUTES	(Optional) Displays the number of minutes of mapping between a private IP address and a user for authenticating users who send traffic from a known browser.

Command Default Disabled; no default value is specified.

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines For usage guidelines, see the [Security Configuration Guide](#).

Examples The following example shows how to display the duration in minutes for which the Zscaler service maps a private IP address to a user who sends traffic from a known browser:

```
Device (config)# sdwan
Device (config-sdwan)# service sig vrf global
Device (config-sdwan-vrf-global)# zscaler-location-settings
Device (config-zscaler-location-settings)# surrogate refresh-time-unit MINUTE
```

tunnel-options

To configure tunnel options, use the **tunnel-options** command in interface tunnel configuration (config-interface-tunnel) mode.

tunnel-options tunnel-set secure-internet-gateway-zscaler tunnel-dc-preference { primary-dc | secondary-dc } source-interface interface-name *number*

tunnel-options	Tunnel interface configuration
tunnel-set	Tunnel mapping to application type
secure-internet-gateway-zscaler	Tunnel to secure-internet-gateway zscaler
tunnel-dc-preference	Tunnel setup preference to data-center
primary-dc	Tunnel setup to primary data-center
secondary-dc	Tunnel setup to secondary data-center
source-interface	Tunnel source interface

Command Default None.

Command Modes Interface Tunnel configuration (config-interface-tunnel)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to configure location settings mode:

```
Device(config)# sdwan
Device(config-sdwan)# interface Tunnel1

Device(config-interface-Tunnel1)# tunnel-options tunnel-set secure-internet-gateway-zscaler
tunnel-dc-preference primary-dc source-interface GigabitEthernet1
```

xff-forward-enabled

To configure Zscaler X-Forwarded-For (XFF) header in the HTTP to forward traffic, use the **xff-forward** command in zscaler location settings configuration (config-zscaler-location-settings) mode. To disable this command, use the **no** form of this command.

xff-forward-enabled false

no xff-forward-enabled false

Syntax Description **false** Disables the XFF forward HTTP header in location settings.
Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.

Command Default This command is disabled by default.

Command Modes zscaler location settings configuration (config-zscaler-location-settings)

Command History	Release	Modification
	Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to disable xff-forward:

```
Device(config)# sdwan

Device(config-sdwan)# service sig vrf global
Device(config-vrf-global)# zscaler-location-settings
Device(config-zscaler-location-settings)# xff-forward-enabled false
```

zscaler-location-settings

To configure Zscaler location settings, use the **zscaler-location-settings** command in zscaler location settings configuration (config-zscaler-location-settings) mode.

zscaler-location-settings

This command has no keywords or arguments.

Command Default

Command Modes

zscaler location settings configuration (config-zscaler-location-settings)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.5.1a	Command qualified for use in Cisco SD-WAN Manager CLI templates.

Usage Guidelines

The following example shows how to configure location settings mode:

```
Device(config)# sdwan
```

```
Device(config-sdwan)# service sig vrf global
```

```
Device(config-vrf-global)# zscaler-location-settings
```

