



## 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	
<b>disabled</b>	Only this option is qualified for use.
<b>block-internet-until-accepted false</b>	Only the <b>false</b> option is qualified for use.
<b>force-ssl-inspection false</b>	Only the <b>false</b> option is qualified for use.
<b>timeout <i>time</i></b>	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**

<b>Syntax Description</b>	<b>false</b> Only this option is qualified for use.				
<b>Command Default</b>	false				
<b>Command Modes</b>	zscaler location settings configuration (config-zscaler-location-settings)				
<b>Command History</b>	<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*

<b>Syntax Description</b>	<p><b>primary-data-center</b> <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>
<b>Command Default</b>	
<b>Command Modes</b>	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	<b>false</b> Only this option is qualified for use.
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Command Default	false
-----------------	-------

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**

<b>false</b>	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
}
```

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

<b>false</b>	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**

<b>false</b>	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.
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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 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	
<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.  Range: 0–4294967295  <b>Note</b> We recommend that you set the refresh time to a time period shorter than that you specified for the idle time to disassociation.

**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***

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

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

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### **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
```

