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 *time*	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

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

primary-data-center *primary-data-center1*	Configures primary data center. Only this option is qualified for use in Cisco SD-WAN Manager CLI templates.

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
vie1-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.

Command Default

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.

```
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.

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
$8$O0i/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

idle-time	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.

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

refresh-time	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 **Note** 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.
HOUR	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-tunnel1) 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-tunnel1)

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
```