

Manual:IP/Hotspot/Walled Garden

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< Manual:IP | Hotspot

Contents

- 1 Walled Garden
 - 1.1 Example
 - 1.2 Properties
- 2 IP Walled Garden
 - 2.1 Properties
- 3 Example

Applies
to



RouterOS: v3, v4,
v5+

Walled Garden

Sub-menu: /ip hotspot walled-garden

HTTP walled-garden menu permits authentication bypass settings for HTTP and HTTPs resources.

Wildcard properties (dst-host and path) match a complete string (i.e., they will not match "example.com" if they are set to "example"). Available wildcards are '*' (match any number of any characters) and '?' (match any one character). Regular expressions are also accepted here, but if the property should be treated as a regular expression, it should start with a colon (':'). To show that no symbols are allowed before the given pattern, we use ^ symbol at the beginning of the pattern. To specify that no symbols are allowed after the given pattern, we use \$ symbol at the end of the pattern.

Example

To only permit bypassed access in walled garden to

"www.example.com/test" but not to "www.example.com/test/test.php" :

```
/ip hotspot walled-garden  
add dst-host=:^www.example.com path=":/test\$"
```

(note the trailing \$ requires the escape character '\' to stop it from be processed as an actual \$ character in the url)

Properties

Property	Description
action (<i>allow deny</i> ; Default: allow)	Action to perform, when packet matches the rule <ul style="list-style-type: none">▪ allow - allow access to the web-page without authorization▪ deny - the authorization is required to access the web-page
server (<i>string</i> ; Default:)	Name of the HotSpot server, rule is applied to.
src-address (<i>IP</i> ; Default:)	Source address of the user, usually IP address of the HotSpot client
method (<i>string</i> ; Default:)	HTTP method of the request

dst-host (<i>string</i> ; Default:)	Domain name of the destination web-server
dst-port (<i>integer</i> ; Default:)	TCP port number, client sends request to
path (<i>string</i> ; Default:)	The path of the request, path comes after "http://dst_host/"

Read-only properties

Property	Description
dst-address (<i>IP</i>)	
hits (<i>integer</i>)	

IP Walled Garden

Sub-menu: /ip hotspot walled-garden ip

Walled-garden menu for the IP requests (Winbox, SSH, Telnet, SIP, etc.)

Properties

Property	Description
action (<i>allow deny reject</i> ; Default: allow)	Action to perform, when packet matches the rule <ul style="list-style-type: none">▪ allow - allow access to the web-page without authorization▪ deny - the authorization is required to access the web-page▪ reject - the authorization is required to access the resource, ICMP reject message will be sent to client, when packet will match the rule
server (<i>string</i> ; Default:)	Name of the HotSpot server, rule is applied to.
src-address (<i>IP</i> ; Default:)	Source address of the user, usually IP address of the HotSpot client
dst-address (<i>IP</i> ; Default:)	Destination IP address, IP address of the WEB-server. Ignored if dst-host is already specified.
src-address-list (<i>string</i> ; Default:)	Source IP address

	list.
dst-address-list (<i>string</i> ; Default:)	Destination IP address list. Ignored if dst-host is already specified.
dst-host (<i>string</i> ; Default:)	Domain name of the destination web-server. When this parameter is specified dynamic entry is added to Walled Garden
dst-port (<i>integer</i> ; Default:)	TCP port number, client sends request to
protocol (<i>integer string</i> ; Default:)	IP protocol

Example

When adding walled garden IP entry several dynamic rules are created. For example, lets add *www.paypalobject.com*

```
/ip hotspot walled-garden ip  
add action=accept disabled=no dst-host=www.paypalobject.com
```

Now if you look at walled garden menu you will see dynamic entry for object we just added

```
[admin@493G] /ip hotspot walled-garden> print detail  
Flags: X - disabled, D - dynamic  
0 D ;;; www.paypalobject.com  
    dst-address=68.178.232.99 action=allow hits=0
```

Also dynamic firewall and NAT rules are added to allow paypalobject.com resolved address

```
[admin@493G] /ip firewall filter> print dynamic  
Flags: X - disabled, I - invalid, D - dynamic  
...  
7 D ;;; www.paypalobject.com  
    chain=hs-unauth action=return dst-address=68.178.232.99  
...  
10 D ;;; www.paypalobject.com  
    chain=hs-unauth-to action=return src-address=68.178.232.99
```

```
[admin@493G] /ip firewall nat> print dynamic  
Flags: X - disabled, I - invalid, D - dynamic  
...  
8 D ;;; www.paypalobject.com  
    chain=hs-unauth action=return dst-address=68.178.232.99  
...
```

[Top | Back to Content]

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