更新日志

1.11.0-beta.20

- **Hysteria2 `ignore_client_bandwidth` behavior update 1**
- **Fixes and improvements**

1:

When `up_mbps` and `down_mbps` are set, `ignore_client_bandwidth` instead denies clients from using BBR CC.

See Hysteria2.

1.11.0-beta.17

- **Add port hopping support for Hysteria2 1**
- **Fixes and improvements**

1:

See Hysteria2.

1.11.0-beta.14

- **Allow adding route (exclude) address sets to routes 1**
- **Fixes and improvements**

1:

When `auto_redirect` is not enabled, directly add `route[_exclude]_address_set` to tun routes (equivalent to `route[_exclude]_address`).

Note that it doesn't work on the Android graphical client due to the Android VpnService not being able to handle a large number of routes (DeadSystemException), but otherwise it works fine on all command line clients and Apple platforms.

See route_address_set and route_exclude_address_set.

1.11.0-beta.12

- **Add** `rule-set merge` **command**
- **Fixes and improvements**

1.11.0-beta.3

- **Add more masquerade options for hysteria2 1**
- **Fixes and improvements**

1:

See **Hysteria2**.

1.11.0-alpha.25

- **Update quic-go to v0.48.2**
- **Fixes and improvements**

1.11.0-alpha.22

- **Add UDP timeout route option 1**
- **Fixes and improvements**

1:

See **Rule Action**.

1.11.0-alpha.20

- **Add UDP GSO support for WireGuard**
- **Make GSO adaptive 1**

1:

For WireGuard outbound and endpoint, GSO will be automatically enabled when available, see **WireGuard Outbound**.

For TUN, GSO has been removed, see **Deprecated**.

1.11.0-alpha.19

- **Upgrade WireGuard outbound to endpoint 1**
- **Fixes and improvements**

1:

The new WireGuard endpoint combines inbound and outbound capabilities, and the old outbound will be removed in sing-box 1.13.0.

See Endpoint, WireGuard Endpoint and Migrate WireGuard outbound fields to route options.

1.10.2

- Add deprecated warnings
- Fix proxying websocket connections in HTTP/mixed inbounds
- Fixes and improvements

1.11.0-alpha.18

- Fixes and improvements

1.11.0-alpha.16

- Add `cache_capacity` DNS option 1
- Add `override_address` and `override_port` route options 2
- Fixes and improvements

1:

See DNS.

2:

See Rule Action and Migrate destination override fields to route options.

1.11.0-alpha.15

- Improve multi network dialing 1
- Fixes and improvements

1:

New options allow you to configure the network strategy flexibly.

See Dial Fields, Rule Action and Route.

1.11.0-alpha.14

- Add multi network dialing 1

- **Fixes and improvements**

1:

Similar to Surge's strategy.

New options allow you to connect using multiple network interfaces, prefer or only use one type of interface, and configure a timeout to fallback to other interfaces.

See Dial Fields, Rule Action and Route.

1.11.0-alpha.13

- **Fixes and improvements**

1.11.0-alpha.12

- **Merge route options to route actions 1**
- **Add** `network_type`, `network_is_expensive` **and** `network_is_constrainted` **rule items 2**
- **Fixes and improvements**

1:

Route options in DNS route actions will no longer be considered deprecated, see DNS Route Action.

Also, now `udp_disable_domain_unmapping` **and** `udp_connect` **can also be configured in route action, see Route Action.**

2:

When using in graphical clients, new routing rule items allow you to match on network type (WIFI, cellular, etc.), whether the network is expensive, and whether Low Data Mode is enabled.

See Route Rule, DNS Route Rule and Headless Rule.

1.11.0-alpha.9

- **Improve tun compatibility 1**
- **Fixes and improvements**

1:

When `gvisor` tun stack is enabled, even if the request passes routing, if the outbound connection establishment fails, the connection still does not need to be established and a TCP RST is replied.

1.11.0-alpha.7

- **Introducing rule actions 1**

1:

New rule actions replace legacy inbound fields and special outbound fields, and can be used for pre-matching 2.

See Rule, Rule Action, DNS Rule and DNS Rule Action.

For migration, see Migrate legacy special outbounds to rule actions, Migrate legacy inbound fields to rule actions and Migrate legacy DNS route options to rule actions.

2:

Similar to Surge's pre-matching.

Specifically, new rule actions allow you to reject connections with TCP RST (for TCP connections) and ICMP port unreachable (for UDP packets) before connection established to improve tun's compatibility.

See Rule Action.

1.11.0-alpha.6

- **Update quic-go to v0.48.1**
- **Set gateway for tun correctly**
- **Fixes and improvements**

1.11.0-alpha.2

- **Add warnings for usage of deprecated features**
- **Fixes and improvements**

1.11.0-alpha.1

- **Update quic-go to v0.48.0**
- **Fixes and improvements**

1.10.1

- **Fixes and improvements**

1.10.0

Important changes since 1.9:

- **Introducing auto-redirect 1**
- **Add AdGuard DNS Filter support 2**
- **TUN address fields are merged 3**
- **Add custom options for `auto-route` and `auto-redirect` 4**
- **Drop support for go1.18 and go1.19 5**
- **Add tailing comma support in JSON configuration**
- **Improve sniffers 6**
- **Add new `inline` rule-set type 7**
- **Add access control options for Clash API 8**
- **Add `rule_set_ip_cidr_accept_empty` DNS address filter rule item 9**
- **Add auto reload support for local rule-set**
- **Update fsnotify usages 10**
- **Add IP address support for `rule-set match` command**
- **Add `rule-set decompile` command**
- **Add `process_path_regex` rule item**
- **Update uTLS to v1.6.7 11**
- **Optimize memory usages of rule-sets 12**

1:

The new auto-redirect feature allows TUN to automatically configure connection redirection to improve proxy performance.

When auto-redirect is enabled, new route address set options will allow you to automatically configure destination IP CIDR rules from a specified rule set to the firewall.

Specified or unspecified destinations will bypass the sing-box routes to get better performance (for example, keep hardware offloading of direct traffics