1 VRP CLI

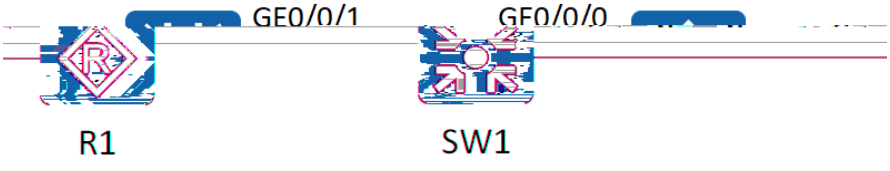
1.1

VRP CLI

1.2

- CLI
- VRP
-
- Tab
-
-
- IP

1.3



1. CLI

1.4

VRP CLI

1.4.1

步骤 1

步骤 2 ENSP

1.4.2

步骤 1

步骤 2

步骤 3

步骤 4

步骤 5

步骤 6

步骤 7 IP

1.5

1.5.1

步骤 1 bios

步骤 2 ENSP

1.5.2

步骤 1

- R1

```

```

-

```

```

- SW1

-

-

步骤 2 VRP

- R1

```
[R1]display version
Huawei Versatile Routing Platform Software
VRP (R) software, Version 5.130 (AR2200 V200R003C00)
Copyright (C) 2011-2012 HUAWEI TECH CO., LTD
Huawei AR2220 Router uptime is 0 week, 0 day, 0 hour, 0 minute
BKP 0 version information:
1. PCB           Version    : AR01BAK2A VER.NC
2. If Supporting PoE : No
3. Board       Type         : AR2220
4. MPU Slot Quantity : 1
5. LPU Slot Quantity : 6

MPU 0(Master) : uptime is 0 week, 0 day, 0 hour, 0 minute
MPU version information :
1. PCB           Version    : AR01SRU2A VER.A
2. MAB           Version    : 0
3. Board       Type         : AR2220
4. BootROM    Version    : 0
```

- SW1

```
 [SW1]display version
Huawei Versatile Routing Platform Software
VRP (R) software, Version 5.110 (S5700 V200R001C00)
Copyright (c) 2000-2011 HUAWEI TECH CO., LTD
```

步骤 3

●

1 . display

```
[R1]display ?
  Cellular                    Cellular interface
  aaa                          AAA
  access-user                 User access
  accounting-scheme           Accounting scheme
  acl                          <Group> acl command group
  actual                      Current actual
  adp-ipv4                     Ipv4 information
  adp-mpls                     Adp-mpls module
  alarm                        Alarm
  antenna                     Current antenna that outputting radio
  anti-attack                 Specify anti-attack configurations
  ap                           <Group> ap command group
  ap-auth-mode                Display AP authentication mode
  ap-elabel                   Electronic label
  ap-license                  AP license config
  ap-performance-statistic    Display AP performance statistic information
  ap-profile                  Display AP profile information
  ap-region                    Display AP region information
  ap-run-info                 Display AP run information
  ap-type                      Display AP type information
  ap-update                    AP update
  ap-whitelist                AP white list
  apv2r3                       PAF(Product Adaptive File)
```

2

```
<R1>?
User view commands:
  arp-ping                    ARP-ping
  autosave                    <Group> autosave command group
  backup                       Backup    information
  cd                           Change current directory
  clear                       <Group> clear command group
  clock                       Specify the system clock
  cls                         Clear screen
  compare                      Compare configuration file
  copy                         Copy from one file to another
  debugging                   <Group> debugging command group
  delete                      Delete a file
  dialer                      Dialer
  dir                          List files on a filesystem
  display                     Display information
  factory-configuration    Factory configuration
  fixdisk                     Try to restory disk
  format                       Format file system
  free                         Release a user terminal interface
  ftp                          Establish an FTP connection
  help                         Description of the interactive help system
  hwtacacs-user               HWTACACS user
  license                     <Group> license command group
  lldp                         Link Layer Discovery Protocol
  ---- More ----
```

1 d

```
<R1>d?
  debugging    <Group> debugging command group
  delete       Delete a file
  dialer       Dialer
  dir          List files on a filesystem
  display      Display information
```

2 display i

```
<R1>display i?
  icmp                 ICMP status and configuration information
  icmpv6               ICMPv6 status and configuration information
  igmp                 <Group> igmp command group
  igmp-snooping    <Group> igmp-snooping command group
  ike                  Specify IKE(Internet Key Exchange) configuration information
  info-center      <Group> info-center command group
  interface        <Group> interface command group
  ip                   <Group> ip command group
  ipsec                Specify IPSec(IP Security) configuration information
  ipv6                 <Group> ipv6 command group
  isdn                 ISDN status and configuration information
  isis                 ISIS status and configuration information
```

步骤 4

1

```
[SW1]disp vlan
The total number of vlans is : 1
--------------------------------------------------------------------------------
U: Up;               D: Down;              TG: Tagged;              UT: Untagged;
MP: Vlan-mapping;                          ST: Vlan-stacking;
#: ProtocolTransparent-vlan;       *: Management-vlan;
--------------------------------------------------------------------------------

VID   Type       Ports
--------------------------------------------------------------------------------
1       common    UT:GE0/0/1(U)          GE0/0/2(D)          GE0/0/3(D)          GE0/0/4(D)
                      GE0/0/5(D)          GE0/0/6(D)          GE0/0/7(D)          GE0/0/8(D)
                      GE0/0/9(D)          GE0/0/10(D)         GE0/0/11(D)         GE0/0/12(D)
                      GE0/0/13(D)         GE0/0/14(D)         GE0/0/15(D)         GE0/0/16(D)
                      GE0/0/17(D)         GE0/0/18(D)         GE0/0/19(D)         GE0/0/20(D)
                      GE0/0/21(D)         GE0/0/22(D)         GE0/0/23(D)         GE0/0/24(D)


VID   Status   Property          MAC-LRN Statistics Description
--------------------------------------------------------------------------------

1       enable   default           enable   disable      VLAN 0001
```

2

- display current-configuration disp cu disp cur

```
[SW1]display current-configuration
#
sysname SW1
#
```

```
cluster enable
ntdp enable
ndp enable
#
drop illegal-mac alarm
#
diffserv domain default
#
drop-profile default
#
aaa
 authentication-scheme default
 authorization-scheme default
 accounting-scheme default
 domain default
 domain default_admin
 local-user admin password simple admin
 local-user admin service-type http
#
interface Vlanif1
#
  ---- More ----
```

- display saved-configuration disp sa disp saved

```
[SW1]display saved-configuration
#
sysname SW1
#
cluster enable
ntdp enable
ndp enable
#
drop illegal-mac alarm
#
diffserv domain default
#
drop-profile default
#
aaa
 authentication-scheme default
 authorization-scheme default
 accounting-scheme default
 domain default
 domain default_admin
 local-user admin password simple admin
 local-user admin service-type http
#
interface Vlanif1
#
  ---- More ----
```

3

-

```
[SW1]dis th
#
sysname SW1
```

```
#
cluster enable
ntdp enable
ndp enable
#
drop illegal-mac alarm
#
return
```

➢

```
[SW1]int g0/0/1
[SW1-GigabitEthernet0/0/1]dis th
#
interface GigabitEthernet0/0/1
#
```

➢ AAA

```
[SW1-aaa]dis th
#
aaa
 authentication-scheme default
 authorization-scheme default
 accounting-scheme default
 domain default
 domain default_admin
 local-user admin password simple admin
 local-user admin service-type http
#return
```

步骤 5

➢ Gigabit

```
[SW1]disp current-configuration | include Gigabit
interface GigabitEthernet0/0/1
interface GigabitEthernet0/0/2
interface GigabitEthernet0/0/3
interface GigabitEthernet0/0/4
interface GigabitEthernet0/0/5
interface GigabitEthernet0/0/6
interface GigabitEthernet0/0/7
interface GigabitEthernet0/0/8
interface GigabitEthernet0/0/9
interface GigabitEthernet0/0/10
interface GigabitEthernet0/0/11
interface GigabitEthernet0/0/12
interface GigabitEthernet0/0/13
interface GigabitEthernet0/0/14
interface GigabitEthernet0/0/15
interface GigabitEthernet0/0/16
interface GigabitEthernet0/0/17
interface GigabitEthernet0/0/18
interface GigabitEthernet0/0/19
interface GigabitEthernet0/0/20
interface GigabitEthernet0/0/21
interface GigabitEthernet0/0/22
interface GigabitEthernet0/0/23
```

```
interface GigabitEthernet0/0/24
```

➢ Gigabit #

```
[SW1]disp current-configuration | exclude Gigabit|#
sysname SW1
cluster enable
ntdp enable
ndp enable
drop illegal-mac alarm
diffserv domain default
drop-profile default
aaa
 authentication-scheme default
 authorization-scheme default
 accounting-scheme default
 domain default
 domain default_admin
 local-user admin password simple admin
 local-user admin service-type http
interface Vlanif1
interface MEth0/0/1
interface NULL0
user-interface con 0
user-interface vty 0 4
return
```

➢ user-interface

```
[SW1]disp cur | begin user-interface
user-interface con 0
user-interface vty 0 4
#
return
```

步骤 6 R1 SW1

1

```
[R1]disp clock
2020-04-25 10:31:25
Saturday
Time Zone(China-Standard-Time) : UTC-08:00
```

2 BeiJing 8

```
<R1>clock timezone BeiJing minus 8:00:00
//  12  minus  UTC  12  add  UTC
```

3 1

```
<R1>clock datetime 11:31:25 2020-4-25
```

4

```
<R1>display clock
2020-04-25 11:31:57
Saturday
Time Zone(BeiJing) : UTC-08:00
```

步骤 7 IP

1 IP

```
<R1>system-view
[R1]interface GigabitEthernet 0/0/0
[R1-GigabitEthernet0/0/0]ip address 12.0.0.1 24
```

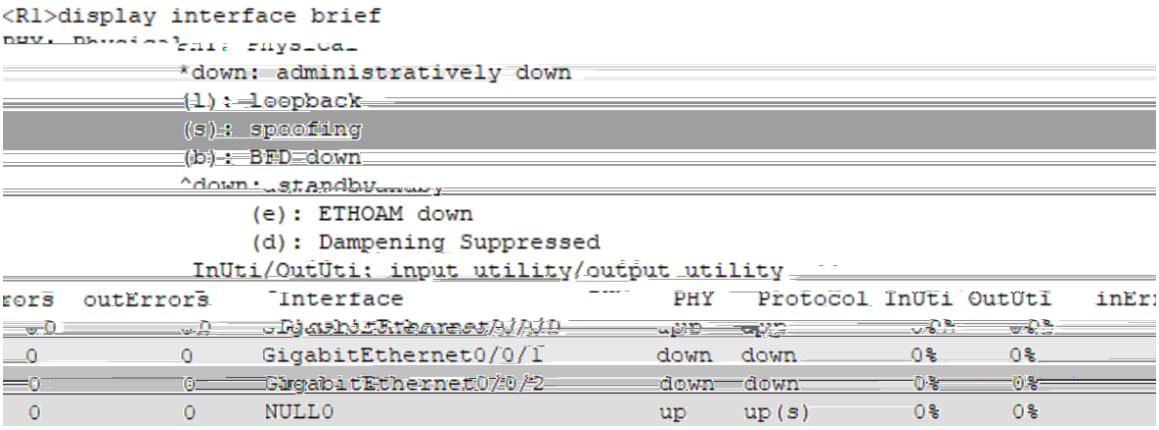
2 IP

```
<SW1>system-view
[SW1]interface vlan1
[SW1-Vlanif1]ip add 12.0.0.2 24
```

1.6

1.6.1

1.6.2



```
[SW1]display interface brief
PHY: Physical
*down: administratively down
(l): loopback
(s): spoofing
(b): BFD down
(e): ETHOAM down
(dl): DLDP down
(d): Dampening Suppressed
InUti/OutUti: input utility/output utility
Interface                   PHY   Protocol InUti OutUti   inErrors  outErrors
GigabitEthernet0/0/1        up    up         0%     0%          0          0
GigabitEthernet0/0/2        down  down       0%     0%          0          0
GigabitEthernet0/0/3        down  down       0%     0%          0          0
GigabitEthernet0/0/4        down  down       0%     0%          0          0
GigabitEthernet0/0/5        down  down       0%     0%          0          0
GigabitEthernet0/0/6        down  down       0%     0%          0          0
GigabitEthernet0/0/7        down  down       0%     0%          0          0
GigabitEthernet0/0/8        down  down       0%     0%          0          0
GigabitEthernet0/0/9        down  down       0%     0%          0          0
GigabitEthernet0/0/10       down  down       0%     0%          0          0
GigabitEthernet0/0/11       down  down       0%     0%          0          0
GigabitEthernet0/0/12       down  down       0%     0%          0          0
```

1.6.3

```
<R1>display ip interface brief
*down: administratively down
^down: standby
(l): loopback
(s): spoofing
The number of interface that is UP in Physical is 2
The number of interface that is DOWN in Physical is 2
The number of interface that is UP in Protocol is 2
Interface                         IP Address/Mask      Physical   Protocol
GigabitEthernet0/0/0              192.168.1.1/24       up         up
GigabitEthernet0/0/1              unassigned           down       down
NULL0                             unassigned           up         up(s)
```

```
[SW1]display ip interface brief
*down: administratively down
^down: standby
(l): loopback
(s): spoofing
The number of interface that is UP in Physical is 2
The number of interface that is DOWN in Physical is 1
The number of interface that is UP in Protocol is 2
The number of interface that is DOWN in Protocol is 1

Interface                         IP Address/Mask      Physical   Protocol
MEth0/0/1                         unassigned           down       down
NULL0                             unassigned           up         up(s)
Vlanif1                           10.0.0.2/24          up         up
```

1.6.4