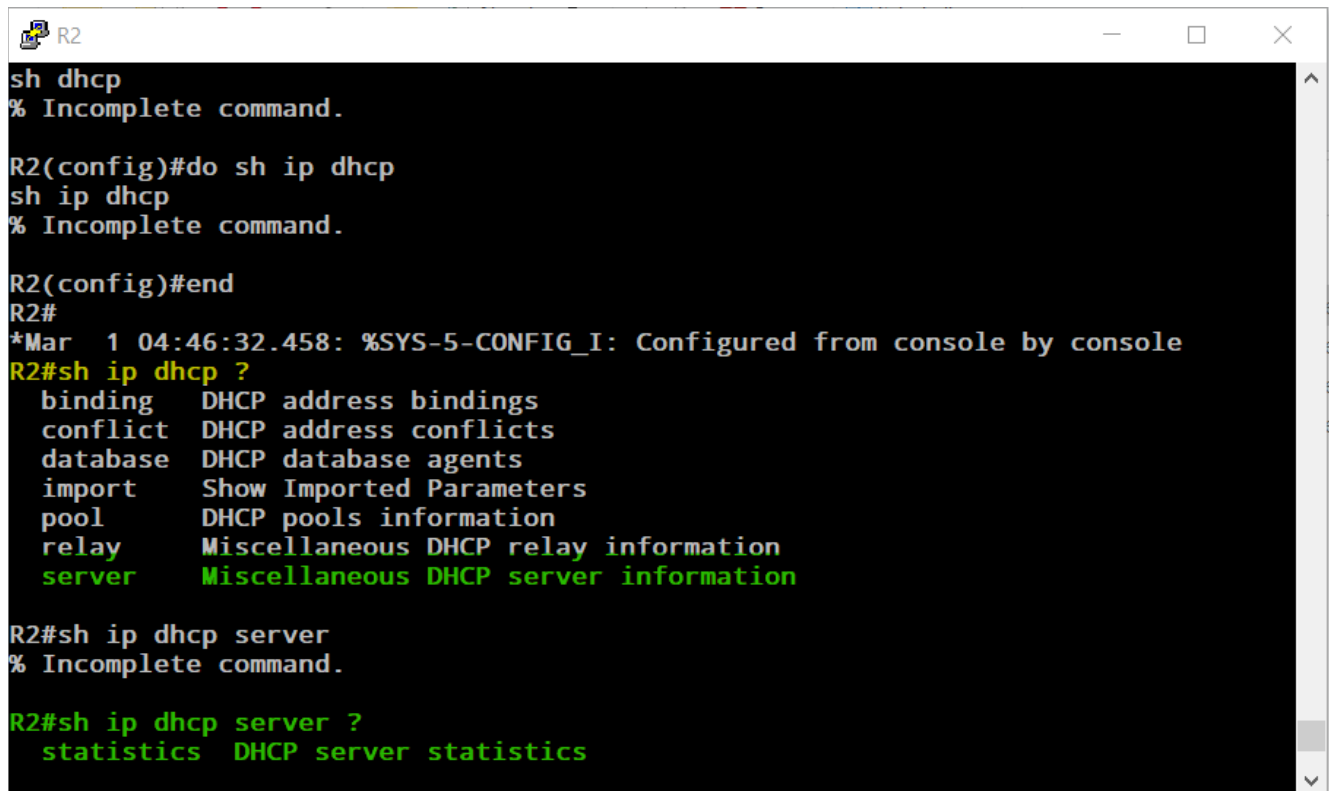


Sh ip dhcp ?

ip dhcp information:

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```

How to display dhcp information:



```
R2
sh dhcp
% Incomplete command.

R2(config)#do sh ip dhcp
sh ip dhcp
% Incomplete command.

R2(config)#end
R2#
*Mar  1 04:46:32.458: %SYS-5-CONFIG_I: Configured from console by console
R2#sh ip dhcp ?
  binding    DHCP address bindings
  conflict    DHCP address conflicts
  database    DHCP database agents
  import      Show Imported Parameters
  pool        DHCP pools information
  relay       Miscellaneous DHCP relay information
  server      Miscellaneous DHCP server information

R2#sh ip dhcp server
% Incomplete command.

R2#sh ip dhcp server ?
  statistics  DHCP server statistics
```

continued

```
R2#sh ip dhcp server statistics
Memory usage      23576
Address pools     1
Database agents   0
Automatic bindings 1
Manual bindings   0
Expired bindings  0
Malformed messages 0
Secure arp entries 0

Message           Received
BOOTREQUEST       0
DHCPDISCOVER      2
DHCPREQUEST       1
DHCPDECLINE       0
DHCPRELEASE       0
DHCPINFORM        0

Message           Sent
BOOTREPLY         0
DHCPOFFER         2
DHCPACK          1
DHCPNAK          0
R2#sh ip dhcp server ?
```

next

```
R2#
R2#
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R2#
R2#
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R2#
R2#
R2#
R2#sh ip dhcp ?
  binding    DHCP address bindings
  conflict   DHCP address conflicts
  database    DHCP database agents
  import      Show Imported Parameters
  pool        DHCP pools information
  relay       Miscellaneous DHCP relay information
  server      Miscellaneous DHCP server information

R2#sh ip dhcp binding ?
  A.B.C.D    IP address in dotted-decimal notation
  |          Output modifiers
  <cr>

R2#sh ip dhcp binding
```

next

```
R2#
R2#
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R2#
R2#
R2#sh ip dhcp ?
  binding    DHCP address bindings
  conflict    DHCP address conflicts
  database    DHCP database agents
  import      Show Imported Parameters
  pool        DHCP pools information
  relay       Miscellaneous DHCP relay information
  server      Miscellaneous DHCP server information

R2#sh ip dhcp conflict ?
  | Output modifiers
  <cr>

R2#sh ip dhcp conflict
IP address      Detection method  Detection time      VRF
R2#
```

continued

```
R2
binding    DHCP address bindings
conflict    DHCP address conflicts
database    DHCP database agents
import      Show Imported Parameters
pool        DHCP pools information
relay       Miscellaneous DHCP relay information
server      Miscellaneous DHCP server information

R2#sh ip dhcp conflict ?
| Output modifiers
<cr>

R2#sh ip dhcp conflict
IP address      Detection method  Detection time      VRF
R2#sh ip dhcp conflict | ?
append          Append redirected output to URL (URLs supporting append operation
                only)
begin           Begin with the line that matches
exclude         Exclude lines that match
include         Include lines that match
redirect        Redirect output to URL
section         Filter a section of output
tee             Copy output to URL

R2#sh ip dhcp conflict |
```

next

```
R2#
R2#
R2#
R2#
R2#
R2#
R2#
R2#
R2#sh ip dhcp ?
binding    DHCP address bindings
conflict   DHCP address conflicts
database   DHCP database agents
import     Show Imported Parameters
pool       DHCP pools information
relay      Miscellaneous DHCP relay information
server     Miscellaneous DHCP server information

R2#sh ip dhcp database

R2#sh ip dhcp database ?
WORD       Uniform Resource Locator (URL)
|          Output modifiers
<cr>

R2#sh ip dhcp database
```

next

```
R2#sh ip dhcp ?
binding    DHCP address bindings
conflict   DHCP address conflicts
database   DHCP database agents
import     Show Imported Parameters
pool       DHCP pools information
relay      Miscellaneous DHCP relay information
server     Miscellaneous DHCP server information

R2#sh ip dhcp import

R2#sh ip dhcp import ?
|          Output modifiers
<cr>

R2#sh ip dhcp import | ?
append     Append redirected output to URL (URLs supporting append operation
           only)
begin      Begin with the line that matches
exclude    Exclude lines that match
include    Include lines that match
redirect   Redirect output to URL
section    Filter a section of output
tee        Copy output to URL
```

next

```
R2#
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R2#
R2#
R2#sh ip dhcp ?
  binding    DHCP address bindings
  conflict   DHCP address conflicts
  database    DHCP database agents
  import      Show Imported Parameters
  pool        DHCP pools information
  relay       Miscellaneous DHCP relay information
  server      Miscellaneous DHCP server information

R2#sh ip dhcp pool ?
  WORD      Pool name
  |         Output modifiers
  <cr>
```

continued

```
R2
binding    DHCP address bindings
conflict   DHCP address conflicts
database   DHCP database agents
import     Show Imported Parameters
pool       DHCP pools information
relay      Miscellaneous DHCP relay information
server     Miscellaneous DHCP server information

R2#sh ip dhcp pool ?
WORD      Pool name
|         Output modifiers
<cr>

R2#sh ip dhcp pool subnet-3

Pool subnet-3 :
Utilization mark (high/low)      : 100 / 0
Subnet size (first/next)          : 0 / 0
Total addresses                   : 16382
Leased addresses                  : 1
Pending event                    : none
1 subnet is currently in the pool :
Current index      IP address range      Leased addresses
192.168.128.6      192.168.128.1 - 192.168.191.254  1
R2#
```

next

```
R2
R2#
R2#
R2#
R2#sh ip dhcp ?
binding    DHCP address bindings
conflict   DHCP address conflicts
database   DHCP database agents
import     Show Imported Parameters
pool       DHCP pools information
relay      Miscellaneous DHCP relay information
server     Miscellaneous DHCP server information

R2#sh ip dhcp relay ?
information DHCP relay information option

R2#sh ip dhcp relay inf
R2#sh ip dhcp relay information ?
trusted-sources List of trusted sources of relay information option

R2#sh ip dhcp relay information tru
R2#sh ip dhcp relay information trusted-sources ?
| Output modifiers
<cr>
```

continued

```
R2
information DHCP relay information option

R2#sh ip dhcp relay inf
R2#sh ip dhcp relay information ?
    trusted-sources  List of trusted sources of relay information option

R2#sh ip dhcp relay information tru
R2#sh ip dhcp relay information trusted-sources ?
    | Output modifiers
    <cr>

R2#sh ip dhcp relay information trusted-sources | ?
    append      Append redirected output to URL (URLs supporting append operation
                only)
    begin       Begin with the line that matches
    exclude     Exclude lines that match
    include     Include lines that match
    redirect    Redirect output to URL
    section     Filter a section of output
    tee         Copy output to URL

R2#sh ip dhcp relay information trusted-sources
List of trusted sources of relay agent information option:

R2#
```

next


```
R2#
R2#sh ip dhcp ?
binding    DHCP address bindings
conflict    DHCP address conflicts
database    DHCP database agents
import      Show Imported Parameters
pool        DHCP pools information
relay       Miscellaneous DHCP relay information
server      Miscellaneous DHCP server information

R2#sh ip dhcp server ?
statistics  DHCP server statistics

R2#sh ip dhcp server st
R2#sh ip dhcp server statistics ?
| Output modifiers
<cr>

R2#sh ip dhcp server statistics | ?
append      Append redirected output to URL (URLs supporting append operation
            only)
begin       Begin with the line that matches
exclude     Exclude lines that match
include     Include lines that match
redirect    Redirect output to URL
section     Filter a section of output
tee         Copy output to URL
```

continued

```
R2#sh ip dhcp server statistics
Memory usage      23576
Address pools     1
Database agents   0
Automatic bindings 1
Manual bindings   0
Expired bindings  0
Malformed messages 0
Secure arp entries 0

Message           Received
BOOTREQUEST       0
DHCPDISCOVER      2
DHCPREQUEST       1
DHCPDECLINE       0
DHCPRELEASE       0
DHCPINFORM        0

Message           Sent
BOOTREPLY         0
DHCPOFFER         2
DHCPACK           1
DHCPNAK           0
R2#
```