NAME
> cidr_table − format of Postfix CIDR tables

SYNOPSIS
> **postmap −q "***string***" cidr:/etc/postfix/***filename*
>
> **postmap −q − cidr:/etc/postfix/***filename* <*inputfile*

DESCRIPTION
> The Postfix mail system uses optional lookup tables. These tables are usually in **dbm** or **db** format. Alternatively, lookup tables can be specified in CIDR (Classless Inter−Domain Routing) form. In this case, each input is compared against a list of patterns. When a match is found, the corresponding result is returned and the search is terminated.
>
> To find out what types of lookup tables your Postfix system supports use the "**postconf −m**" command.
>
> To test lookup tables, use the "**postmap −q**" command as described in the SYNOPSIS above.

TABLE FORMAT
> The general form of a Postfix CIDR table is:

> *network_address*/*network_mask result*
>> When a search string matches the specified network block, use the corresponding *result* value. Specify 0.0.0.0/0 to match every IPv4 address, and ::/0 to match every IPv6 address.
>>
>> An IPv4 network address is a sequence of four decimal octets separated by ".", and an IPv6 network address is a sequence of three to eight hexadecimal octet pairs separated by ":".
>>
>> The *network_mask* is the number of high−order bits in the *network_address* that the search string must match.
>>
>> Before comparisons are made, lookup keys and table entries are converted from string to binary. Therefore table entries will be matched regardless of redundant zero characters.
>>
>> Note: address information may be enclosed inside "[]" but this form is not required.
>>
>> IPv6 support is available in Postfix 2.2 and later.

> *network_address result*
>> When a search string matches the specified network address, use the corresponding *result* value.

> blank lines and comments
>> Empty lines and whitespace−only lines are ignored, as are lines whose first non−whitespace character is a '#'.

> multi−line text
>> A logical line starts with non−whitespace text. A line that starts with whitespace continues a logical line.

TABLE SEARCH ORDER
> Patterns are applied in the order as specified in the table, until a pattern is found that matches the search string.

EXAMPLE SMTPD ACCESS MAP
> /etc/postfix/main.cf:
>> smtpd_client_restrictions = ... cidr:/etc/postfix/client.cidr ...
>
> /etc/postfix/client.cidr:
>> # Rule order matters. Put more specific whitelist entries
>> # before more general blacklist entries.

```
192.168.1.1        OK
192.168.0.0/16     REJECT
```

SEE ALSO

postmap(1), Postfix lookup table manager

regexp_table(5), format of regular expression tables

pcre_table(5), format of PCRE tables

README FILES

Use "**postconf readme_directory**" or "**postconf html_directory**" to locate this information.

DATABASE_README, Postfix lookup table overview

HISTORY

CIDR table support was introduced with Postfix version 2.1.

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