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Apache restrict access based on IP address to selected directories

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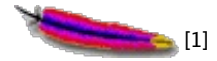
Apache web server allows server access based upon various conditions. For example you just want [1]
to restrict access to url http://payroll.nixcraft.in/ (mapped to /var/www/sub/payroll directory) from
192.168.1.0/24 network (within intranet).

Apache provides access control based on client hostname, IP address, or other characteristics of the client request
using mod_access module.

Open your httpd.conf file:

```
# vi /etc/httpd/conf/httpd.conf
```

Locate directory section (for example/var/www/sub/payroll) and set it as follows:

```
<Directory /var/www/sub/payroll/>
Order allow,deny
Allow from 192.168.1.0/24
Allow from 127
</Directory>
```

Where,

- Order allow,deny: The Order directive controls the default access state and the order in which Allow and Deny directives are evaluated. The (allow,deny) Allow directives are evaluated before the Deny directives. Access is denied by default. Any client which does not match an Allow directive or does match a Deny directive will be denied access to the server.
- Allow from192.168.1.0/24: The Allow directive affects which hosts can access an area of the server (i.e. /var/www/sub/payroll/). Access is only allowed from network 192.168.1.0/24 and localhost (127.0.0.1).

Save file and restart apache web server:

```
# /etc/init.d/httpd restart
```

See also

- Apache Module mod_access documentation for more information [2]

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URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/faq/category/apache/**
[2] Apache Module mod_access documentation for more information:
http://httpd.apache.org/docs/1.3/mod/mod_access.html