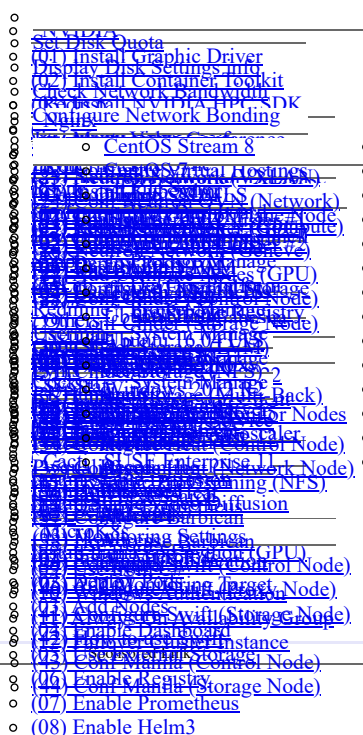


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Apache2 : Use CGI Scripts2022/05/10

[1] Enable CGI module.

```
Enabling module cgid.
```

```
root@www:~#  
systemctl restart apache2
```

[2] Therefore, for example, if a Perl script [index.cgi] is put under the directory, it's possible to access to the URL [http://(Apache2 Server)/cgi-bin/index.cgi] from Clients.

```
root@www:~#
cat > /usr/lib/cgi-bin/test_script <<'EOF'
#!/usr/bin/perl
print "Content-type: text/html\n\n";
print "Hello CGI\n";
EOF
root@www:~#
chmod 705 /usr/lib/cgi-bin/test_script
# try to access
```

```
root@www:~#  
curl localhost/cgi-bin/test script
```

Hello CGI

[3] If you'd like to allow CGI in other directories except default, configure like follows. For example, allow in [/var/www/html/cgi-enabled].

```
root@www:~#  
vi /etc/apache2/conf-available/cgi-enabled.conf
```

```
# create new
# specify extension that are processed as CGI on [AddHandler cgi-script] line
```

```
<Directory "/var/www/html/cgi-enabled">
    Options +ExecCGI
    AddHandler cgi-script .cgi .pl .py .rb
</Directory>
```

```
root@www:~#
mkdir /var/www/html/cgi-enabled
```

```
root@www:~#
a2enconf cgi-enabled
```

Enabling conf cgi-enabled.
To activate the new configuration, you need to run:
systemctl reload apache2

```
root@www:~#
systemctl reload apache2
```

[4] Create a CGI test page and access to it from any client computer with web browser.

```
root@www:~#
vi /var/www/html/cgi-enabled/index.cgi
```

```
#!/usr/bin/python3
```

```
print("Content-type: text/html\n")
print("<html>\n<body>")
print("<div style=\"width: 100%; font-size: 40px; font-weight: bold; text-align: center;\">")
print("CGI Script Test Page")
print("</div>")
print("</body>\n</html>")
```

```
root@www:~#
chmod 755 /var/www/html/cgi-enabled/index.cgi
```



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Ubuntu 22.04 : Apache2

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