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## Squid content filtering: Block / download of music MP3, mpg, mpeg, exec files

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Q. For security and to save bandwidth I would like to configure Squid proxy server such way that I do not want my users to download all of the following files:

MP3  
MPEG  
MPG  
AVG  
AVI  
EXE

[1]

How do I configure squid content filtering?

A. You can use squid ACL (access control list) to block all these files easily.

### How do I block music files using squid content filtering ACL?

First open squid.conf file /etc/squid/squid.conf:

```
# vi /etc/squid/squid.conf
```

Now add following lines to your squid ACL section:

```
acl blockfiles urlpath_regex "/etc/squid/blocks.files.acl"
```

You want display custom error message when a file is blocked:

```
# Deny all blocked extension  
deny_info ERR_BLOCKED_FILES blockfiles  
http_access deny blockfiles
```

Save and close the file.

Create custom error message HTML file called ERR\_BLOCKED\_FILES in /etc/squid/error/ directory or /usr/share/squid/errors/English directory.

```
# vi ERR_BLOCKED_FILES
```

Append following content:

```
<HTML>  
<HEAD>  
<TITLE>ERROR: Blocked file content</TITLE>  
</HEAD>  
<BODY>  
<H1>File is blocked due to new IT policy</H1>  
<p>Please contact helpdesk for more information:</p>  
Phone: 555-12435 (ext 44)<br>  
Email: helpdesk@yourcorp.com<br>
```

**Caution:** Do not include HTML close tags </HTML> </BODY> as it will be closed by squid.  
Now create /etc/squid/blocks.files.acl file:

```
# vi /etc/squid/blocks.files.acl
```

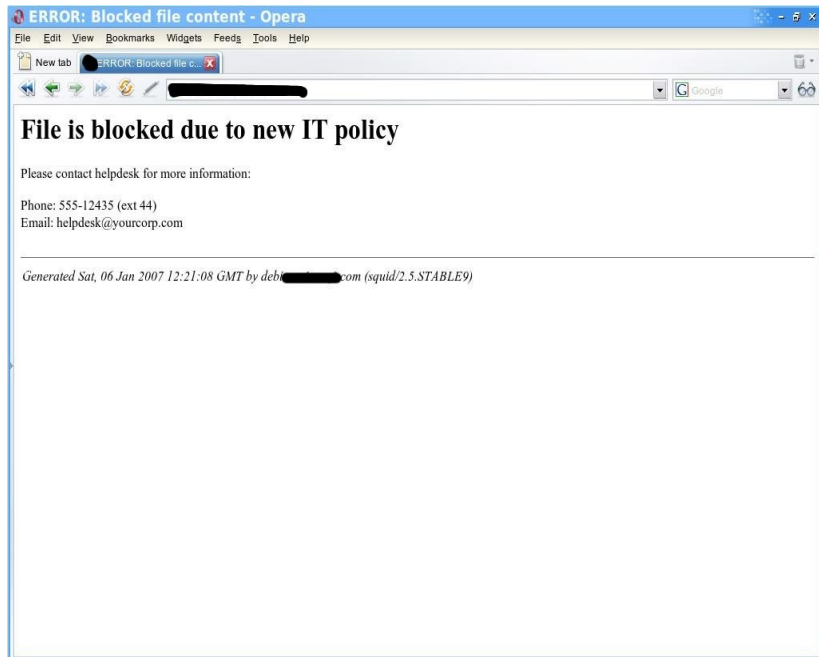
Append following text:

```
\. [Ee] [Xx] [Ee] $  
\. [Aa] [Vv] [Ii] $  
\. [Mm] [Pp] [Gg] $  
\. [Mm] [Pp] [Ee] [Gg] $  
\. [Mm] [Pp] 3$
```

Save and close the file. Restart Squid:

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

Squid in action:



[2]

(Click to enlarge)

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