

## E2Guardian V5 – Revised List Definition

*NB – This document and the development of v5 is work in progress and so not all the functionally described in this document is implemented at this time.*

Version 5 has a completely revised model for defining and using lists. List definition is now separated from list application. These are no longer hard-coded, but mapped to an action using a storyboard function.

So, for example, the following entries in V4 e2guardianf1.conf :

```
exceptionsitelist = '/home/dg/etc/config_i1/e2guardian/lists/exceptionsitelist'
exceptionurllist = '/home/dg/etc/config_i1/e2guardian/lists/exceptionurllist'
exceptionregexpurllist = '/home/dg/etc/config_i1/e2guardian/lists/exceptionregexpurllist'
```

are replaced in V5 with:

```
sitelist = 'name=exception,messageno=602,path=/home/dg/etc/config_i1/e2guardian/lists/exceptionsitelist'
urllist = 'name=exception,messageno=603,path=/home/dg/etc/config_i1/e2guardian/lists/exceptionurllist'
regexpboollist = 'name=exception,messageno=609,path=/home/dg/etc/config_i1/e2guardian/lists/exceptionregexpurllist'
```

and this line added to the storyboard logic to map the 'exception' list(s) to the 'exception' action:

```
if(urlin, exception) setexception
```

Note that the name 'exception' above no longer has any special meaning to e2guardian, it is just a label for some lists.

Blanket block indicators in list files are no longer actioned. Blanket block is now implemented with storyboard states 'siteisip' and 'true' (e.g. 'if(siteisip,,505) return setblock' will display message number 505 - 'Access to sites by IP address is not allowed' in the block page).

Categories are still defined within lists as before.

Time based lists are also honoured, although this method is depreciated and will be replaced by a more auditable method in a future version.

List definition has the following format:

```
listtype = 'name=list_name, [messageno=nnn,] [logmessageno=lll,] path=path_to_list_file'
```

where:

*listtype* is one of the types in Table 1.

*list\_name* is a label made up of alphanumeric, '\_' and '-' (no spaces). The same *list\_name* can (and should) be used for multiple *listtypes*, but *list\_name* must be unique within each *listtype*. Which *listtypes* of a *list\_name* that are used and the order they are used in a storyboard condition is determined by the storyboard state condition used.

*nnn* is a message number for block message displayed to user and status number entered into log (types 5 & 6) - default is 0.

*lll* is the message number for log message - default is *messageno*

*path\_to\_list\_file* is fully qualified path to list file.

**Table 1 – List Types**

<b>ListType</b>	<b>Description</b>	<b>Storyboard states that can use this list type</b>
fileextlist	List of file extensions	extensionin
iplist	List of IP and IP ranges	clientin
ipsitelist	List of IP and IP ranges of sites which are IP address	sitein, urlin, embeddedin, refererin
mimelist	List of mime types	mimein
regexpboollist	List of Regular Expressions (present/absent)	sitein, urlin, embeddedin, refererin, headerin
regexpreplacelist	List of Regular Expressions which modify target	fullurlin, headerin
searchlist	List of search words in ASCII order separated by '+'	searchin
sitelist	List of site domains	sitein, urlin, embeddedin, refererin, clientin
urllist	List of URLs (site + url)	urlin, embeddedin, refererin