E2Guardian V5 – Revised List Definition

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Introduction

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 = '/etc/e2guardian/lists/exceptionsitelist'

exceptionurllist = '/etc/e2guardian/lists/exceptionurllist'

exceptionregexpurllist = '/etc/e2guardian/lists/exceptionregexpurllist'
```

are replaced in V5 with:

```
sitelist = 'name=exception,messageno=602,path=/etc/e2guardian/lists/exceptionsitelist'

urllist = 'name=exception,messageno=603,path=/etc/e2guardian/lists/exceptionurllist'

regexpboollist = 'name=exception,messageno=609,path=/etc/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 list name 'exception' above does not have any special meaning to e2guardian v5, 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 with the following syntax:-

#listcategory: "CATEGORY"

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

List Definition

List definition has the following format:

```
listtype = 'name=list_name, [messageno=nnn,] [logmessageno=lll,] [anonlog=true,] [sitewild=false,] path=path_to_list_file
                                    [ ,listdir=dir_path ]'
```

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, as this enables a single storyboard function to check multiple listtypes. For example the urlin storyboard state condition will search sitelist, ipsitelist, urllist, and regexpboollist listtypes. Note that *list_name* must be unique within each listtype. Where a list_name/listtype combination is duplicated all but the last one read will be ignored.   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 5,6,7 & 8) – default is 0.

lll is the message number for log message – default is messageno

anonlog=true anonymises log entries for url where this list is matched (Default is false)

sitewild=false overrides the standard site 'wildcard' behaviour for site and url lists. i.e. An exact match will be required for the site name. This is quicker as only a single list check is required. With the standard sitewild logic (number of '.' in site)+1 checks are required. (Default is true)

path_to_list_file is fully qualified path to list file.

list_dir is a list path – this will replace any __LISTDIR__ variables in the list
                            – defaults to the current LISTDIR value I.e listdir=__LISTDIR__

Table 1 – List Types

ListType	Description	Storyboard states that can use this list type
fileextlist	List of file extensions	extensionin, urlin
iplist	List of IP and IP ranges	clientin
ipmaplist	Map of IP and IP ranges to data (normally filter group)	clientin
ipsitelist	List of IP and IP ranges of sites which are IP address	sitein, urlin, embeddedin, refererin
maplist	Map of key to data (e.g. user → filter group)	userin
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
timelist	List of time bands	timein
urllist	List of URLs (site + url)	urlin, embeddedin, refererin
categorylist	List of Categories	categoryin
codelist	List of HTTP or E2G response codes	responsecodein

See configs/e2guardian.conf and configs/e2guardianf1.conf for example entries.

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