Learn how to use the SPUEdit config.txt directive to allow EZproxy to control the starting point URL to which users are directed. **SPUEdit** is a rarely used directive that allows EZproxy administrators fine-grained control over the starting point URL to which users are directed.

**SPUEdit** is a position-dependent, repeatable config.txt directive that interacts with *AutoLoginIP*, *ExcludeIP*, *IncludeIP*, and other **SPUEdit** directives. **SPUEdit** directs EZproxy to edit starting point URLs using regular expressions to allow URLs to be rearranged and then users to be rerouted to the rearranged URLs.

### Qualifiers

<table>
<thead>
<tr>
<th>QUALIFIER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>/</td>
<td>Any non-alphabetic, non-digit character</td>
</tr>
<tr>
<td>find</td>
<td>A Perl-style regular expression to match</td>
</tr>
<tr>
<td>replace</td>
<td>The string to use to replace the expression in find. This string may contain variables including:</td>
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<tr>
<td></td>
<td>• $0: matches the entire string that matched find</td>
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<td></td>
<td>• $1 through $9: based on parenthesis matching</td>
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<td></td>
<td>• ${spueditvar}: a value defined by SPUEditVar</td>
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<tr>
<td></td>
<td>• e: may appear after $ to indicate that the replacement text needs to be percent-escaped as appropriate for use in URLs, such as $e0 to substitute the percent-escaped version of the find string</td>
</tr>
<tr>
<td>girs</td>
<td>An optional combination of letters used to indicate that:</td>
</tr>
<tr>
<td></td>
<td>• g: the changes should be applied globally through the URL</td>
</tr>
<tr>
<td></td>
<td>• i: the find string match should be case-insensitive</td>
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<tr>
<td></td>
<td>• r: the users should be redirected to the rewritten URL</td>
</tr>
<tr>
<td></td>
<td>• s: SPUEdit processing should stop at this point</td>
</tr>
</tbody>
</table>

For **SPUEdit** to be effective, the final rule must include the redirection option (r).
**Syntax**

```
SPUEdit / find/ replace/ girs
```

**Examples**

The following example shows how to remap URLs that point to http://web.somedb.com and make them point to http://www.somedb.com instead:

```
SPUEdit @^http://web\..*someld\..*(.*)$@http://ezproxy.yourlib.org:2048/login?url=http://www.somedb.com/$1@ir
```

Note the use of `@` instead of `/` between the find, replace, and options. If `/` had been used, each of the slashes that appear in the find and replace strings would need to be specified using `\` instead of just `/`.

**Logging SPUEdit**

While developing SPUEdit directives, you can add:

```
Option LogSPUEdit
```

to config.txt to direct EZproxy to record the SPUEdit manipulations of starting point URLs to messages.txt.

**Varying rules based on type of IP access**

An SPUEdit directive can be set to apply only if the user’s IP address falls within a current AutoLoginIP, ExcludeIP, and/or IncludeIP range. To select when a rule applies, use one of:

```
SPUEdit -AutoLoginIP ...
SPUEdit -ExcludeIP ...
SPUEdit -IncludeIP ...
SPUEdit -AutoLoginIP -ExcludeIP ...
SPUEdit -AutoLoginIP -IncludeIP ...
SPUEdit -ExcludeIP -IncludeIP ...
```

In the absence of any of these qualifiers, the SPUEdit applies regardless of the type of source IP. These qualified lines are position-dependent, so they should be arranged in config.txt after relevant AutoLoginIP, ExcludeIP, and/or IncludeIP directives.

**Related directives**