

BrightCloud service implementation.

Modules `mod_brightcloud` and `brightcloud_utils` contain implementation of BrightCloud service.

`mod_brightcloud` has to be described in `modules` section of `ejabberd.cfg`.

Following is the example that uses UID, Product Id and OEM ID currently assigned to ClearText by BrightCloud:

```
{mod_brightcloud,
  [{service_url,"http://service2.brightcloud.com"},
   {uid,"cleartext_swa123"},
   {product_id,"DeviceId_cleartext"},
   {oem_id,"BrightCloudSdk"}]
}
```

The rules for BrightCloud service have to be put into criteria table as described in README.

`predicate`: "check_urls";
`arguments`: list of category codes and/or reputation index threshold. The format is as follows:
"categories:code1,code2,...codeN;reputation:Number",

where code1,code2,...codeN and Number are integers equal or greater than zero.

The arguments are interpreted as follows:

If categories present, the action (i.e. "drop" or "block") will be taken on the messages that contain at least one URI that corresponds to any of category codes.

If reputation threshold is present, the action will be taken on the messages that contain at least one URI with reputation less or equal than reputation threshold.

action: “drop” or “block”;

direction: “0” (both), “1” (inbound), “2” (outbound).

For example, to create a rule that drops all URI categorized as adult sites (category code 11) in both directions:

```
INSERT INTO criteria (host, predicate, arguments,  
action, direction) VALUES ("myhost.com", "check_urls",  
"categories:11", "drop", "0");
```