

Jump servlet

- All clients always contact the jump servlet when contacting the AdServer
- Jump servlet redirects user to the various urls based upon parameters from the client url
- The database is checked the first time servlet is invoked and then checked again every 15 minutes for updates.
- When the client contacts the jump servlet for the first time, it calculates a key = action + topic + platform + version + mode + language
- The servlet then looks up the database for the redirect url for the client, redirects the client to the url as well as keeps a cache of key and url
- Whenever subsequent clients connect, the servlet calculates the key from the url parameters, looks up the cache first for the key and if not found in cache it looks up the database for the url and then redirects the client suitably.
- If the key was not found in cache, a new entry for key and url is entered in the cache
- If a suitable redirect url cannot be found in the database for the parameters sent, the client is redirected to the default url <http://www.eudora.com/>
- Jumptable in the adserver database has all the jump entries
- Any entry is added to the jumptable.sql and the table is loaded into the database using the following command
 - /usr/local/mysql/bin/mysql -u<eudora> -p<eudora_adware> adserver <jumptable.sql

Jumptable.sql

The data for the jumptable is kept in the jumptable.sql.

The fields are:

id Just an id number, must be unique

action the action requested by the client. The jump servlet primarily looks at the action parameter to redirect the client accordingly

topic can be any of the following ad-fail, faq, tutor, search, no-qt, light, query, junkDowngrade or % if it doesn't pertain to a specific topic

platform either Mac, Win or % if it applies to both platforms

version if the jump url is only for a specific version or just use % if it applies to all versions

mode either sponsor, paid, light or % if it applies to all modes

url the url that the client will be redirected to

notes for reference

language if the redirect url is specific to the client language. We redirect the client to the soft n net servlet if the incoming client speaks french or german. The soft n net servlet in turn redirects the French and german clients to

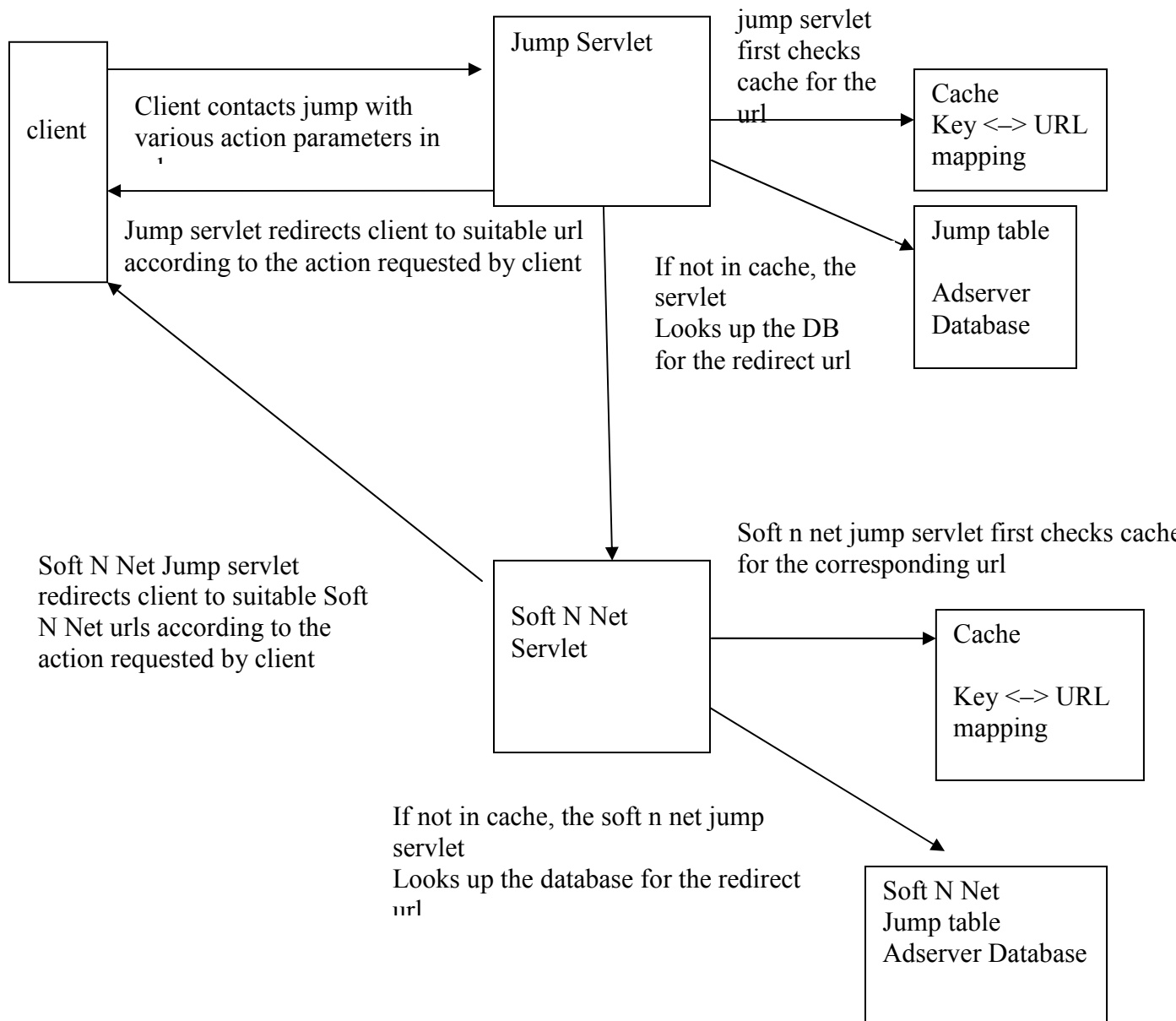
soft n net urls based on a softnet_jumptable.sql, which stores all the soft n net redirect urls.

We have a softnetzone that has the Soft N Net servlet (SoftNetJump.java) and jumptable (softnet_jumptable.sql has the data that is dumped into the softnet_jump table in the adserver database). The main jump servlet redirects all French and german clients to the soft n net servlet. The soft n net servlet then used the softnet_jump table to redirect clients based on the parameters in the url.

Update the soft net jump table by adding the entry to the softnet_jumptable.sql and then update the database via the following command

```
- /usr/local/mysql/bin/mysql -u<eudora> -p<eudora_adware> adserver  
<softnet_jumptable.sql
```

The fields in the softnet_jumptable.sql are identical to the jumptable.sql file



Testing the jump servlet from a web browser

It's possible to test the jump servlet from a web browser. You merely need to type in the proper update URL. That URL looks as follows:

`http://jump.eudora.com/live/updates?action=archived&product=Eudora&version=7.0.0.16& mode=paid®level=170761968&la=en&platform=Windows_XP_Service_Pack_2`

The parameters in the URL mean as follows:

reglevel Is computed as $19 \times (256 \times (256 \times \text{Random} + \text{Policy}) + \text{RegMonth})$, where Random is a random number between 0 and 255, inclusive, Policy is the policy code and RegMonth is the month registered in.

action action requested by the client, it is 'archived' for the update nag, 'support' for the tech support webpage and so on... Refer to the jumptable.sql to see the various action parameters that the client may send.

platform client platform

product is always Eudora

version version the client is running

mode mode which the client is currently running.

la client language. The main jump servlet uses this parameter to redirect the french and german clients to the soft n net jump servlet while using the jump table to redirect the english clients