01184b48-0

Nicholas Piper Communications

COLLABORATORS

	TITLE : 01184b48-0		
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WRITTEN BY	Nicholas Piper Communications	February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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pcomm@inorbit.com

http://www.innotts.co.uk/~nicholas/

1.2 introduction to dynamicredirection

DynamicRedirection

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v 0.1 © 1997 Nicholas Piper / Piper Communications

What is DynamicRedirection ?

A small system that allows users to easily host web pages on their

harddrives, even though they are allocated a dynamic IP address from

their ISP each time they connect.

Pardon ?

Internet Protocol addresses are something that we have been running out

of, (we'll get loads more soon though :-), so Internet Service Providers

haven't been giving people their own, like Demon Internet does/did/might do.

For instance, each time I log in, I am allocated something like

seriale01.innotts.co.uk, in which the number and letter (e) keeps changing.

I do though, like to be able to serve web pages off my harddrive, as it allows

me to have just about an unlimited amount of stuff on my pages, and they

are more likely to be up to date.

However, even if you want to access my web site that is on my harddrive, its

difficult. The address would change every few hours or so !

This is where DynamicRedirection steps in.

If you install DynamicRedirection and add the correct mime type

to your browser, you simply point it at www.innotts.co.uk/~nicholas/pcomm.dyn

and hey presto, your browser ends up using my harddrive based web site.

This would work if you clicked on a link that pointed to the pcomm.dyn

file also.

The fact that my IP changes every so often is irrelivent now, as

www.innotts.co.uk/~nicholas/pcomm.dyn would be its new "perminent address".

1.3   installation of this thingy

Quite simple I feel. Just copy DynamicRedirection to C: or somewhere,

(might help if its in your path, but not neccesary.)

You then have to add the correct MIME type to your browser. You may

have to refer to the documentation on how to do this, and the information

you need is:

Type: application/x-redirect

Extention: dyn red

Action: External Application/Command

Command: DynamicRedirection

Arguments: %f

This might have to be altered slighty to suit your browser.

1.4   how to use this thingy

After installation, its a simple matter of click and go. The redirection

will be just about transparent, but you will be informed that it is working.

The screen that appears will differ for all redirections, as it depends

on what the person that owns the web page(s) wanted you to see :-)

If you click and don't go, but rather can see a strange text file,

the computers hosting the web page might not have their mime database

set up yet, or set incorrectly. To get around this, select download file

as application/x-redirect. How you do this will differ for each browser.

In IBrowse, set up the mime type as per the installation instructions

else where in this file, quit IB, and re-run. This will insure that

the new prefs are loaded, and add the mime type to the PopUp link menu.

Use that menu to download as application/x-redirect.

If you want to be really helpful, if you see this error, mail the web

master to inform them of the problem, and that they should ask their

ISP to add the mime type ;

type application/x-redirect red dyn

To their mime files.

Note:

This should work fine will IBrowse, Voyager and Aweb. It searches

for a running web browser and uses that browsers Arexx command set.

So, if you are running say IB and V at the same time, and use V to

click on a DynamicRedirection link, it might be that IB ends

up actually going there :-) Actually, the order that the browsers

are checked for is, IB, V then Aweb. (also happens to be my

own personal preference of each browser, IB being most prefered :-)

1.5   how to create dynamicredirections for your site

Basically, on a static web site, a file will be placed.

This tells DynamicRedirection where to find the real IP that

you want to go to. This is done var a finger site, then lines

down and words across. Eg, if you want MY IP, finger

nicholas@carlton.innotts.co.uk, count 5 lines down, 13 words

across and you've found it. The .DYN file also contains

an html page that is shown file its finding your new IP, so

that the user knows its working.

It also contains an HTML page that is shown when your IP

can't be found, eg, your .dyn is bodged, or you are offline.

This is shown for 5 seconds, so don't fill it with text ;-)

To check that it got the IP, and it is in fact an IP,

it checks that it has four periods (.) in it :-) For example,

if I'm offline, the word that that location might say, offline,

or it might not exist, in both cases four periods do not exist,

so it is assumed that the IP isn't avalible at that time.

Note that only the first 6 lines of the .dyn are used, so you

can stick what you like after. Use #'s though, for future

proofing.

Example .dyn file.

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http://www.innotts.co.uk/~nicholas/

nicholas@carlton.innotts.co.uk

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<HTML><HEAD><TITLE>Dynamic Redirection</TITLE></HEAD><BODY BGCOLOR="#FFFFFF"><left>Piper Commu-nications<hr></left><p>.<p>.<p>.<p>.<p><H2><center>Please hold while your call is being connected</center><p></H2><h3>A dynamic redirection is taking place. This process may take a few seconds, so please be patient :-)</h3><right><p>.<p>.<p>.<p>.<p><hr>Communications</right></BODY></HTML>

<HTML><HEAD><TITLE>Redirection Failed</TITLE></HEAD><BODY BGCOLOR="#FFFFFF"><left>Piper Communi-cations<hr></left><p>.<p>.<p>.<p>.<p><h1>The Redirection Failed...
</H1><h4>The machine hosting the dynamically addresses web pages is probably off, or down. Try again later.
You will be taken back to the location you started at in a few seconds.</h4><right><p>.<p>.<p>.<p>.<p><hr>Piper Communications</right></BODY></HTML>

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line 1: the original site, that will be pointed to incase something

fails.

line 2: finger site

line 3: lines down

line 4: words across

line 5: single line html that'll be shown when its working

line 6: single line html that'll be shown when it doesn't, but only for 5

or so seconds, after that the browser will be taken back

to the site in line 1.

1.6   future !

I might get it working with telnet and ftp etc. ATM only http://
and be redirected.
Any other ideas ? On a postcard to pcomm@inorbit.com

1.7   about the programmer

This little thingy was written by Nicholas Piper, who calls

himself Piper Communications. Contactable at pcomm@inorbit.com

or via "http://www.innotts.co.uk/~nicholas/". http://pcomm.home.ml.org

will also work with a browser that supports transparent redirection

to another static hostname :-) Eg, Netscape.

1.8   distributation / legal

Unlimited, but you are requested to inform pcomm@inorbit.com of

any archives, web pages, CD's or disks that contain this file.

Only distributed as a complete set of these docs, and the executable.

I can't afford a lawyer guy to make sure this document gets the point

across. Just DON'T BLAME ANYONE if ANYTHING goes wrong. Its all, ALL, your

own fault. You didn't pay for this, don't expect it to work.

NO WARRANTY

The PRODUCT is supplied "AS IS" without warranty of any kind, either

expressed or implied, including, but not limited to, the implied

warranties of merchantability and fitness for a particular purpose. The

entire risk as to the quality and performance of the program is with you.

Nicholas Piper and/or Piper Communications shall NOT be liable for any damages

whatsoever, arising out of the use or inability to use this product, even

if the possibility of such damages has been advised.

1.9   bugs

Non known of atm :-)

If you click on a dyn file, and can see a load of text, re-read the

Usage section, and Installation section - in that order :-)

Please Report all bugs and problems to pcomm@inorbit.com, thanks.

1.10   thanks

This AmigaGuide was created with the help of Easy Guide

by Christopher Mulready <chris_mulready@nemesis.ie>

The Guide was also fixed by Jerusalem of #Amigacafe fame :-) Ta m8.