

How to Create a GIFAR

How to Create a GIFAR - Christopher, RioSec.

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Posted 2008-08-12 17:05 by Christopher

At BlackHat, security researchers Billy Rios and Nathan McFeters presented "The Internet is Broken" which contained information on GIFARs, a term meaning GIF image files combined with Java ARchives (JAR). These files could be uploaded to sites that allow image uploading (such as many site's member photos), to run code in the context of that site - getting around the "same origin policy" that browsers impose. This works because GIF images (along with many other file types) store their header in the beginning of the file, and ZIP archives (which is what JAR files are made of) store their data at the tail.

The folowing video demonstrates this technique.

[Demonstration video](#)

Comment — Didn't work =\\

Posted by Anonymous on Fri, 2008-11-28 07:08

I tried to recreate this following each step exactly the same and it didn't work. The applet will load when the file ends in a .jar extension, but can't find the class when it's a .gif.

Server log looks like this:

```
"GET /gifar/gifar2.gif HTTP/1.1" 200
"GET /gifar/gifar.class HTTP/1.1" 404
"GET /gifar/gifar/class.class HTTP/1.1" 404
```

I tried it on Firefox, IE and Opera / Ubuntu 8.10, Windows XP SP3

Any ideas?

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