

Re: Kerberos

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<http://www.derkeiler.com/Newsgroups/microsoft.public.inetserver.iis.security/2007-11/msg00042.html>

- *From:* arduk <arduk@xxxxxxxxxxxxxx>
 - *Date:* Wed, 21 Nov 2007 15:31:01 -0800
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Hi WenJun – thanks for your reply.

Firstly, this is not client specific – I have tried this on a number of client machines, with the same result each time.

The web server that is in use is not IIS (however the theory should be the same – it is a windows login box that is coming up), as it is an SAP portal system that I am connecting to. The logs that I can collect from it are shown below – they appear to be the same both when you are prompted, and when you aren't.

The logs for the non-prompted login show:

```
[Nov 22, 2007 8:15:32 AM ] – 10.100.26.37 : GET /irj/portal HTTP/1.1 401 2633
[Nov 22, 2007 8:15:32 AM ] – 10.100.26.37 : GET /irj/portal HTTP/1.1 200
12282
after this the actual content is sent
```

The logs for the prompted login show:

```
[Nov 22, 2007 8:12:58 AM ] – 10.100.26.37 : GET /irj/portal HTTP/1.1 401 2634
At this point it is waiting for you to login (windows prompt on screen).
Once you login it then continues below...
[Nov 22, 2007 8:13:35 AM ] – 10.100.26.37 : GET /irj/portal HTTP/1.1 200
12280
after this the actual content is sent
```

This appears to be correct in my understanding – initially the request is anonymous and so is unauthorised. After that it should go back and get a kerberos sso ticket, but if the browser hasn't been opened (or has been opened to about:blank), it appears to be prompting for login details.

I look forward to any comments you may have.

""WenJun Zhang[msft]"" wrote:

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Hi Arduk,

According to your discussion with Ken, it looks like the issue is regarding to unexpected behavior of IE authentication. Below are some thoughts of mine:

1. We can gather and review IIS log to determine if there is some actual difference when IE prompts for login(without opening a browser window first) and not(with a window opening). To do this:

1) Reproduce the popup behavior without opening a browser window first. Then wait for several minutes(to make sure the records are written into the log file) and collect the latest log files in \System32\LogFiles\W3SVC[n]\ directory (n here is the Site ID which can be viewed in the right panel by clicking Web Sites folder in IIS).

2) Gather log again with a IE window opened(no login popup) as the same steps.

2. To narrow down if the issue is specific to the client machine and IE, please test with some other machines. If other client doesn't encounter the behavior, we can confirm this is not an IIS server-side issue.

I look forward to your update.

Have a nice day.

Sincerely,

WenJun Zhang

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