

RE: OS X RDC client does not support Session Directories (read)

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.terminal_services/2005-04/msg00663.html

- *From:* Schley Andrew Kutz <SchleyAndrewKutz@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 15 Apr 2005 13:40:02 -0700
-

I tried connecting to my farm with rdesktop 1.4.0 from OS X.

When you make the initial connection (whether you have an existing session or not) you get this error:

> NOT IMPLEMENTED: RDP5 opcode 6

I do not know what opcode this is but it probably has something to do with the server attempting to map sound, which rdesktop does not support.

Trying to reconnect to a disconnected session is a bit trickier! This is because rdesktop actually issues a logoff command when you hit "X" to close the terminal window. To actually disconnect a rdesktop session you have to administratively log off the user with TS Manager on the server.

So you are reconnecting to a session on Server A and hit Server B initially, here is what rdesktop produces:

```
NOT IMPLEMENTED: data PDU 174
ERROR: recv: Connection reset by peer
ERROR: Connection closed
Broken pipe
```

> NOT IMPLEMENTED: data PDU 174

AH HA! This makes perfect sense. Microsoft's RDC client for OS X and rdesktop 1.4.0 both must be not understanding the "data PDU 174" or whatever it contains. This must be the "command packet" that is telling the client to either generate a token (Token Redirection method) or open a connection to server B (IP Redirection method).

```
> ERROR: recv: Connection reset by peer
> ERROR: Connection closed
> Broken pipe
```

The client's connection will be reset because server A has sent its "command packet" to server B and has closed its connection to the client. It is up to

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the client at this point to take the necessary actions to maintain the connection to terminal services, which apparently on the Windows RDC client can.

Ugh ...

"Schley Andrew Kutz" wrote:

- > (I am posting this here because it is apparent by the number of posts, 2,
- > that no one reads/posts the client forum)
- >
- > It seems that Microsoft's RDC client for OS X cannot reconnect to a
- > disconnected session on a terminal server that participates in a session
- > directory.
- >
- > Both IP Redirection and Token Redirection have been tried. Token Redirection
- > is not supported by our LB (Netscaler) but we
- > turned it on to watch the traffic anyway.
- >
- > Both configs result in the Mac RDC error "Internal RDC error"
- >
- > Since both methods rely on the backend terminal server sending a "command
- > packet" back to the client either telling it to generate a token to send to
- > the LB (Token Method) or to connect directly to the terminal server that has
- > its session (IP Redirection) it is apparent that the Mac RDC client not only
- > does not understand this "command packet," but the packet also causes the RDC
- > client to fubar.
- >
- > I will also be submitting a feature request to Netscaler asking that they
- > support WTS tokens as it will allow me to firewall the backend servers
- > completely from the outside world. As it is I cannot since the clients have
- > to be able to connect directly to the terminal servers if they are resuming a
- > disconnected session. Using the token method also lets you connect directly
- > to the terminal servers (on allowed networks, yay SP1) bypassing the session
- > directroy since the token that the client receives will be useless since
- > there is no LB to interpret it.

• *Follow-Ups:*

- ◆ [*Re: OS X RDC client does not support Session Directories \(read\)*](#)

◇ From: Jim Vierra

• *References:*

- ◆ [*OS X RDC client does not support Session Directories \(read\)*](#)

◇ From: Schley Andrew Kutz

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