## Contents

Scope

This document describes how to connect to the DIT GIS Server from outside the DIT network using a gateway server. Instructions are provided for both Windows and Linux

Intended Audience

Students and Staff of DIT

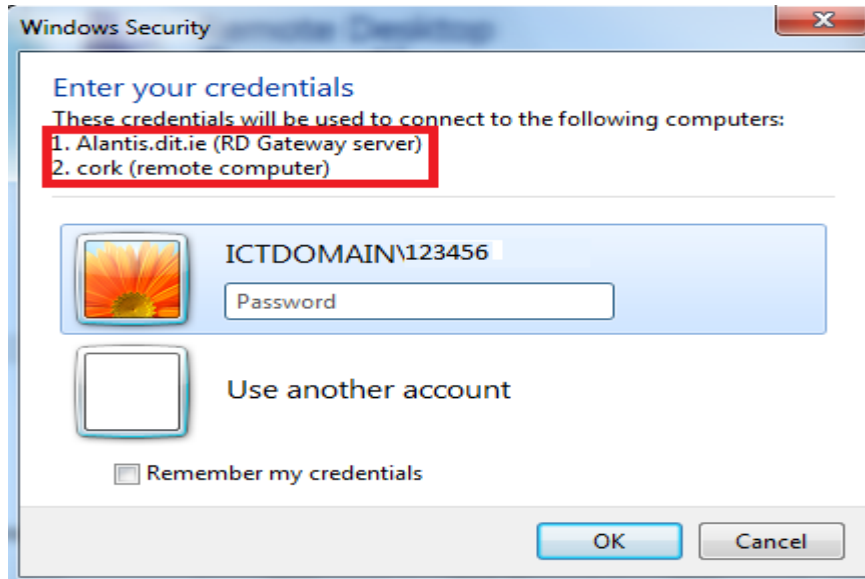## Connecting from Windows through the RDP Gateway

1. On Windows Start Remote Desktop Connection
2. In the Computer field enter the name of the computer you need to connect to (Cork/Cork2k8)
3. Configure the RDP connection to use the Remote Gateway Server
   a. Expand the Options
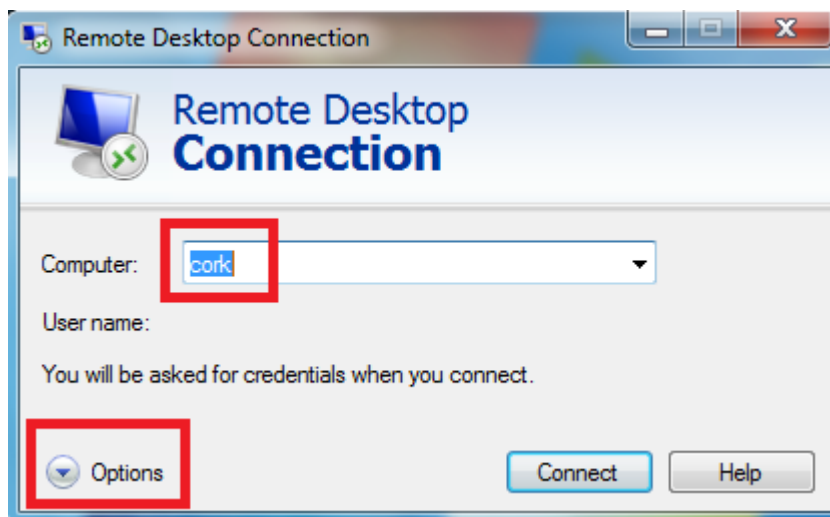
b. Select the Advanced Tab
c. Click the Settings button
d. Select the radio "Use these RD Gateway Server Settings"
e. For the Server Name enter "Alantis.dit.ie"
f. For the Logon Method Select "Allow me to select later"
g. Uncheck "Bypass RD Gateway server for local addresses" if you want to test from inside the college
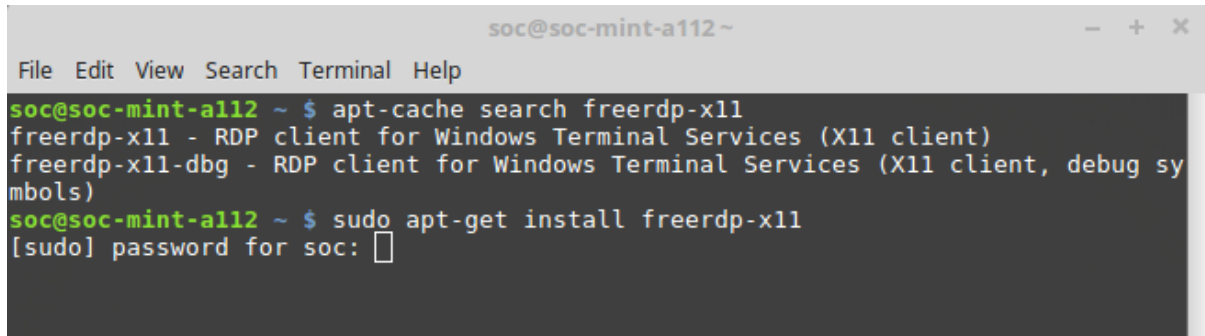h. Click Ok
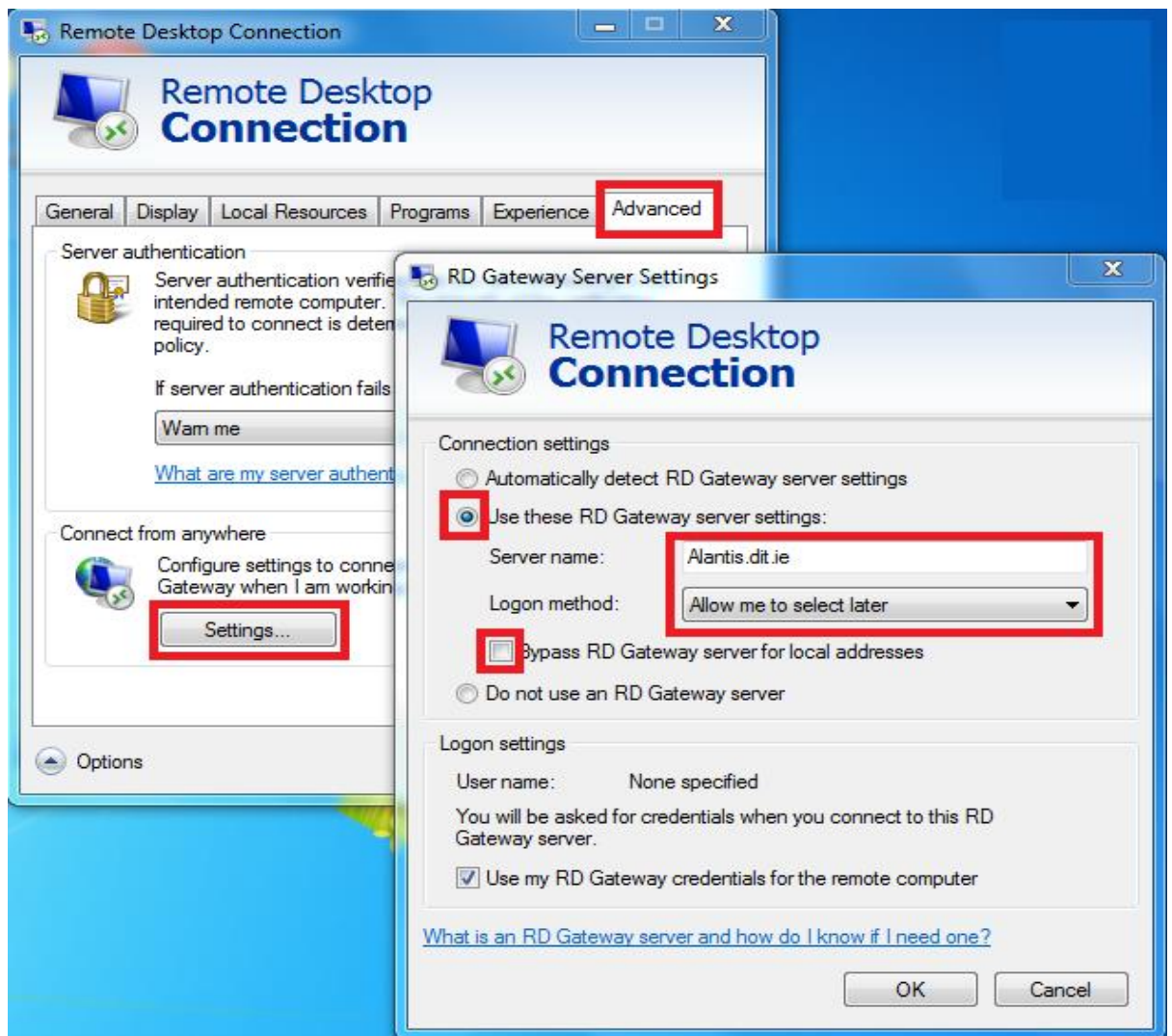
4. Select the "General Tab"
5. Click Connect
6. Note the connection dialog will show you that you are using a gateway to reach the destination server
7. Enter your domain login credentials and click connect, these credentials will be passed onto the destination server and you will automatically be logged onto it.

Connecting from Linux through the RDP Gateway

(The following was tested in Linux Mint 18.1 "Serena" using the MATE desktop)

1. From Linux start a Terminal (Ctrl + Alt + t)
2. Install FreeRDP with the following command
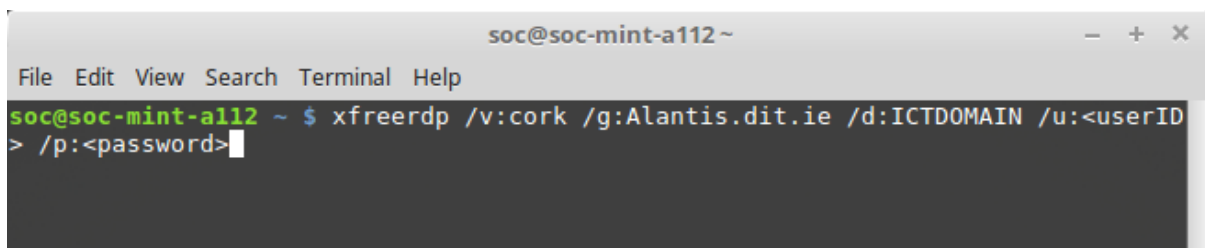   a. sudo apt-get install freerdp-x11

3. Start the RDP connection with the following command
   a. xfreerdp /v:cork /g:Alantis.dit.ie /d:ICTDOMAIN /u:<userID> /p:<password>
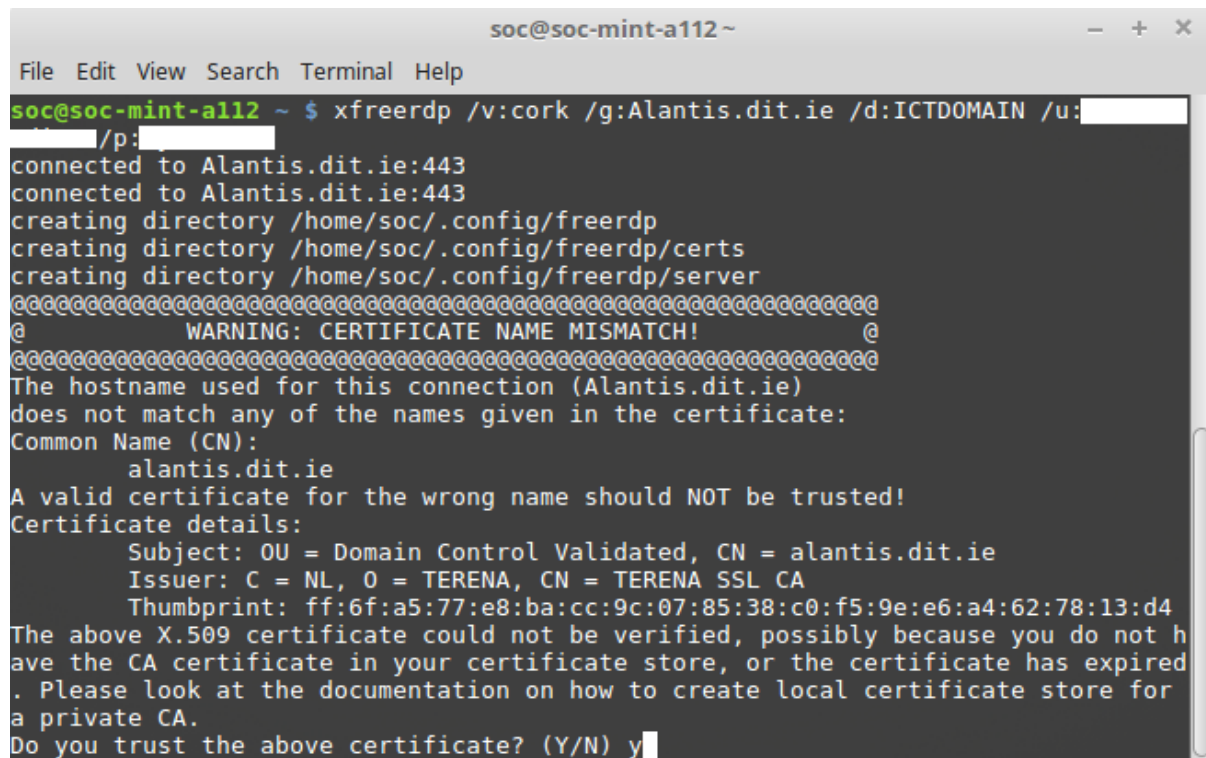
   Where   /v: is the name of the server you want to control (cork/cork2k8)

   /g: the fqdn of the RDP Gateway server (Alantis.dit.ie)

   /d: The Domain the server is attached to and where your credentials exist (ICTDOMAIN)

   /u: Your domain user id (125462)

   /p: Your domain password

4. If presented with a certificate the first time you connect then accept the certificate

```
                              soc@soc-mint-a112~                    –  +  ×

File  Edit  View  Search  Terminal  Help
soc@soc-mint-a112 ~ $ xfreerdp /v:cork /g:Alantis.dit.ie /d:ICTDOMAIN /u:
       /p:
connected to Alantis.dit.ie:443
connected to Alantis.dit.ie:443
creating directory /home/soc/.config/freerdp
creating directory /home/soc/.config/freerdp/certs
creating directory /home/soc/.config/freerdp/server
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@            WARNING: CERTIFICATE NAME MISMATCH!              @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
The hostname used for this connection (Alantis.dit.ie)
does not match any of the names given in the certificate:
Common Name (CN):
       alantis.dit.ie
A valid certificate for the wrong name should NOT be trusted!
Certificate details:
       Subject: OU = Domain Control Validated, CN = alantis.dit.ie
       Issuer: C = NL, O = TERENA, CN = TERENA SSL CA
       Thumbprint: ff:6f:a5:77:e8:ba:cc:9c:07:85:38:c0:f5:9e:e6:a4:62:78:13:d4
The above X.509 certificate could not be verified, possibly because you do not h
ave the CA certificate in your certificate store, or the certificate has expired
. Please look at the documentation on how to create local certificate store for
a private CA.
Do you trust the above certificate? (Y/N) y
```

Your RDP session should now launch and you will automatically be logged onto the RDP using the credentials you used to get through the gateway