

Remote Desktop Connection using Windows 10

This presentation uses Remote Desktop Connection over the VPN to a class server.

OS: Windows 10 1809

Preuss

2/3/2019



Recycle Bin



OpenVPN
GUI

Command Prompt

```
C:\Users\preuss>ping chile.mait.minnesota.edu
```

```
Pinging chile.mait.minnesota.edu [2607:f930:1200:ac00::16] with 32 bytes of data:
```

```
Reply from 2607:f930:1200:ac00::16: time=46ms
```

```
Reply from 2607:f930:1200:ac00::16: time=46ms
```

```
Reply from 2607:f930:1200:ac00::16: time=52ms
```

```
Reply from 2607:f930:1200:ac00::16: time=45ms
```

```
Ping statistics for 2607:f930:1200:ac00::16:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 45ms, Maximum = 52ms, Average = 47ms
```

```
C:\Users\preuss>
```

The presentation checks the ability to connect to the server "chile.mait.minnesota.edu" with the ping command. The successful indicate the connect is possible.



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OpenVPN GUI

Life at a glance

Sunday 27

Light Snow 1° 7° -6° Moorhead

Remote Desktop...

Command Prompt

Notepad

Tips

V

- Video Editor
- Voice Recorder

W

- Weather
- Windows Accessories
- 3D Builder
- Character Map
- Internet Explorer
- Math Input Panel
- Notepad
- Paint
- Print 3D
- Quick Assist
- Remote Desktop Connection

The presentation selects "Remote Desktop Connection".



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OpenVPN
GUI

Remote Desktop Connection

Remote Desktop Connection

Computer:

User name: None specified

The computer name field is blank. Enter a full remote computer name.

The presentation selects the "down arrow" to Show Options.



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OpenVPN
GUI

Remote Desktop Connection

Remote Desktop Connection

General | Display | Local Resources | Experience | Advanced

Logon settings

Enter the name of the remote computer.

Computer:

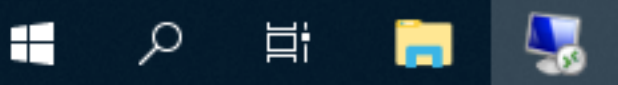
User name:

The computer name field is blank. Enter a full remote computer name.

Connection settings

Save the current connection settings to an RDP file or open a saved connection.

These are the option settings under the "General" tab for the presentation.





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GUI

Remote Desktop Connection

Remote Desktop Connection

General Display Local Resources Experience Advanced

Display configuration

Choose the size of your remote desktop. Drag the slider all the way to the right to use the full screen.

Small Large

Full Screen

Use all my monitors for the remote session

Colors

Choose the color depth of the remote session.

Highest Quality (32 bit)

Display the connection bar when I use the full screen

Hide Options Connect Help

These are the option settings under the "Display" tab for the presentation.





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OpenVPN
GUI

Remote Desktop Connection

Remote Desktop Connection

General Display Local Resources Experience Advanced

Remote audio
Configure remote audio settings.
Settings...

Keyboard
Apply Windows key combinations:
Only when using the full screen
Example: ALT+TAB


Local devices and resources
Choose the devices and resources that you want to use in your remote session.

Printers Clipboard

More...

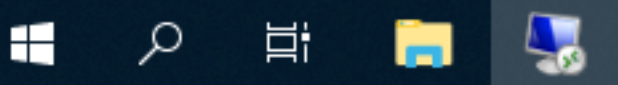
Hide Options Connect Help

The presentation selects the "More" button to continue.



These are the option settings under the "Local Resources" tab for the presentation.

The presentation unchecked "printers".





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OpenVPN
GUI

The presentation checks the "Drives" box. This allows Remote Desktop Connection access to the local drives during the connection.

The presentation selects "OK" to continue.

Remote Desktop Connection

Remote Desktop Connection

Local devices and resources

Choose the devices and resources on this computer that you want to use in your remote session.

- Smart cards
- Ports
- Drives
 - Floppy Disk Drive (A:)
 - Local Disk (C:)
 - DVD RW Drive (D:)
 - Drives that I plug in later
- Video capture devices
- Other supported Plug and Play (PnP) devices

OK Cancel



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OpenVPN
GUI

Remote Desktop Connection

Remote Desktop Connection

General Display Local Resources Experience Advanced

Performance

Choose your connection speed to optimize performance.

Detect connection quality automatically

Connection quality-dependent features:

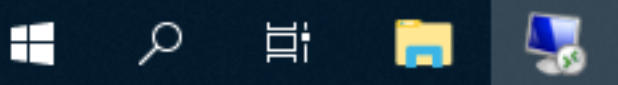
- Desktop background
- Font smoothing
- Desktop composition
- Show window contents while dragging
- Menu and window animation
- Visual styles

Persistent bitmap caching

Reconnect if the connection is dropped

Hide Options Connect Help

These are the option settings under the "Experience" tab for the presentation.





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GUI

Remote Desktop Connection

Remote Desktop Connection

General Display Local Resources Experience **Advanced**

Server authentication

Server authentication verifies that you are connecting to the intended remote computer. The strength of the verification required to connect is determined by your system security policy.

If server authentication fails:

Warn me

Connect from anywhere

Configure settings to connect through Remote Desktop Gateway when I am working remotely.

Settings...

Hide Options Connect Help

These are the option settings under the "Advance" tab for the presentation.





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GUI

The presentation enters the name of the server as shown.

Remote Desktop Connection

Remote Desktop Connection

General | Display | Local Resources | Experience | Advanced

Logon settings

Enter the name of the remote computer.

Computer: chile.mait.minnesota.edu

User name:

You will be asked for credentials when you connect.

Allow me to save credentials

Connection settings

Save the current connection settings to an RDP file or open a saved connection.

Save Save As... Open...

Hide Options Connect Help

The presentation selects "Connect" to make the connection.

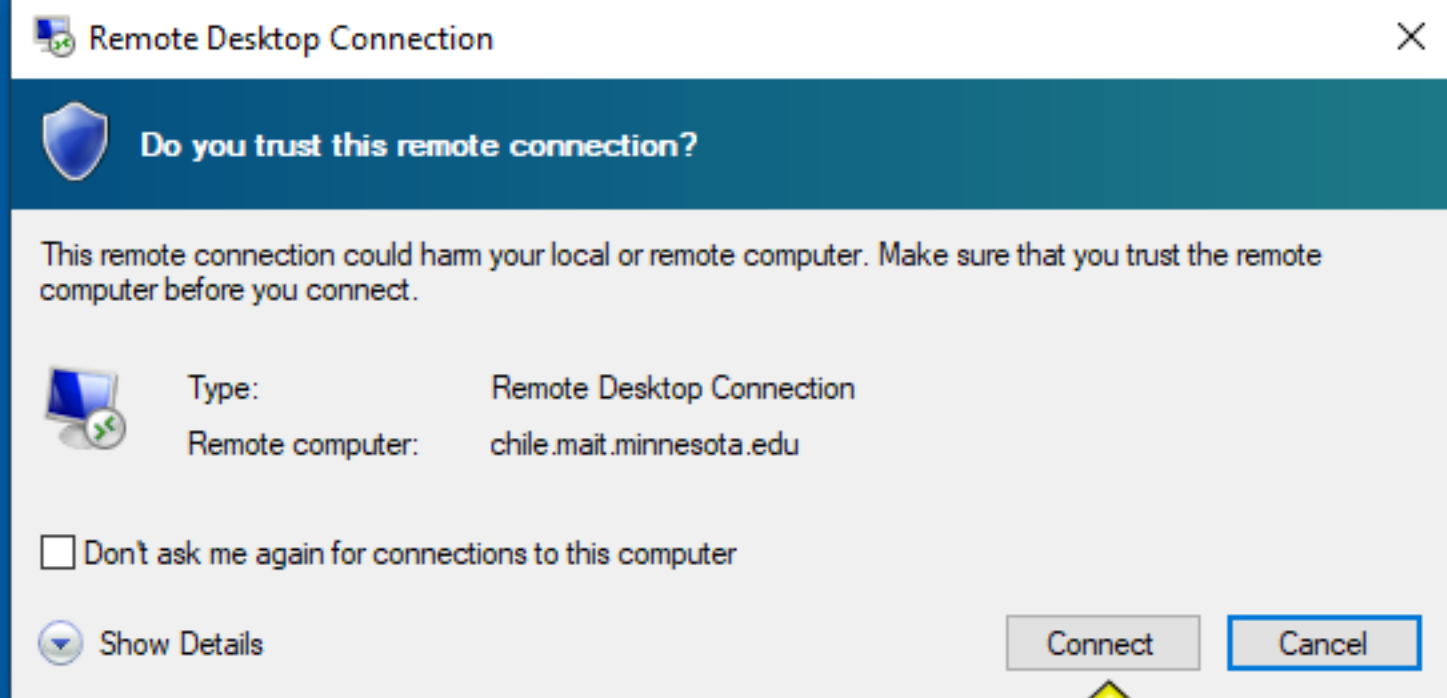
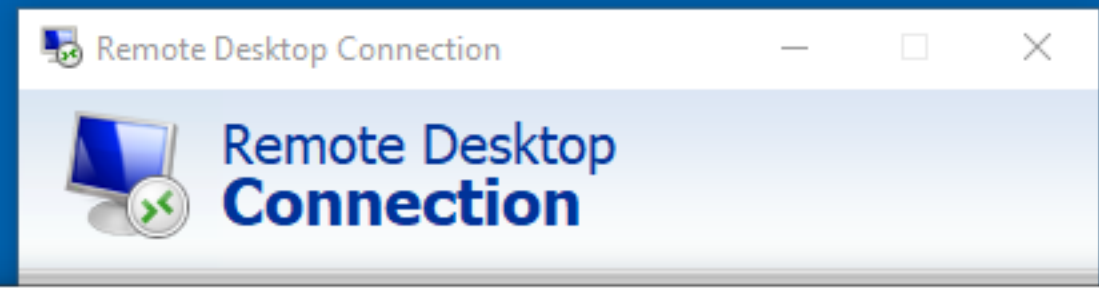




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GUI



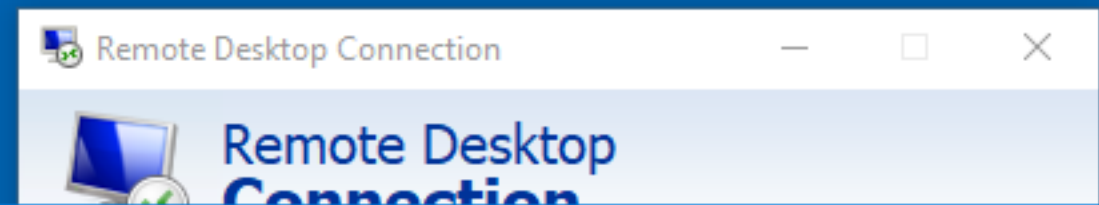
The presentation selects "Connect" to make the connection.



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OpenVPN
GUI



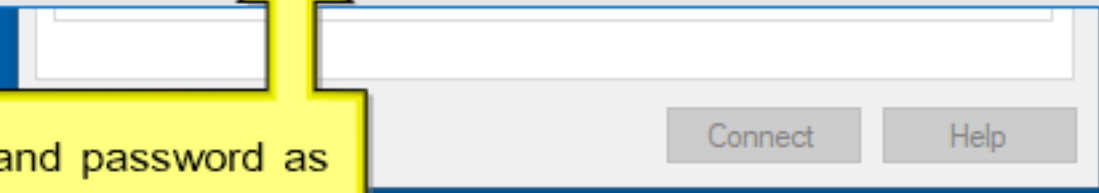
Windows Security

Enter your credentials

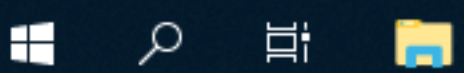
These credentials will be used to connect to
chile.mait.minnesota.edu.

 Remember me

OK Cancel



The presentation enters the logon name and password as shown. The presentation selects "OK" to make the connection.





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The presentation is now log on to the server. The presentation change the background on the server to make identification easier.



Recycle Bin



Windows Server

Most used

- Snipping Tool
- Paint

S

- Search
- Server Manager
- Settings

V

- VMware

W

- Windows Accessories
- Windows Administrative Tools New
- Windows Ease of Access
- Windows PowerShell
- Windows System

Server Manager	Windows PowerShell
Windows Administrative Tools	Task Manager
Remote Desktop Connection	Event Viewer
	File Explorer

The presentation starts the "Server Manager".



Recycle Bin

Server Manager

Server Manager ▸ Local Server

Dashboard
Local Server
 All Servers
 File and Storage Services
 Remote Desktop Services

PROPERTIES

Last installed updates Yesterday at 8:56 PM
 Windows Update Install updates automatically using a mana
 Last checked for updates Yesterday at 8:56 PM
 Windows Defender Real-Time Protection: On
 Feedback & Diagnostics Settings
 IE Enhanced Security Configuration Off
 Time zone (UTC-06:00) Central Time (US & Canada)
 Product ID 00377-90921-37436-AA580 (activated)

Operating system version Microsoft Windows Server 2016 Datacenter Processors Intel(R) Xeon(R) Bronze 3106 CPU @ 1.70G
 Hardware information VMware, Inc. VMware7,1 Installed memory (RAM) 12 GB
 Total disk space 120.42 GB

EVENTS
 All events | 2 total

The presentation selects "Local Server".





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chile.mait.minnesota.edu



Server Manager

Server Manager ▶ Local Server

Manage Tools View Help

Dashboard

Local Server

All Servers

File and Storage Services ▶

Remote Desktop Services ▶

PROPERTIES
For chile

Computer name	chile	Last installed updates	Yesterday at 8:56 PM
Domain	mait.minnesota.edu	Windows Update	Install updates automatically us
		Last checked for updates	Yesterday at 8:56 PM
Windows Firewall	Domain: On, Public: On	Wind	
Remote management	Enabled	Feed	
Remote Desktop	Enabled	IE En	
NIC Teaming	Disabled	Time	
Ethernet0 2	134.29.228.104, IPv6 enabled	Prod	
Ethernet1 2	192.168.64.16, IPv6 enabled		
Operating system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R) Bronze 3106 CPU @ 1.70 GHz
Hardware information	VMware, Inc. VMware7,1	Installed memory (RAM)	12 GB
		Total disk space	120.42 GB

TASKS

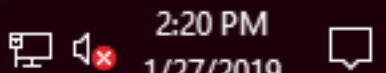
- Shut Down Local Server
- Windows PowerShell
- Computer Management

The log off process is selecting "Tasks", the "Shut Down Local Server".

If the system administrator configured the system correctly, the presentation logs off, but the server does not go down.

EVENTS
All events | 2 total

Filter



2:20 PM

1/27/2019