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ACCESSING COMPUTERS USING RDP SERVICE IN LIBRARIES

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Abstract : Accessing Computers Using RDP Service in Libraries" explores the utilization of remote desktop technology for seamless access to distant systems within library environments or outside environments. This abstract delves into the practicalities and benefits of employing remote desktop connections, facilitating patrons to access resources and applications from designated library computers. The abstract describes the step-by-step process of establishing secure connections using Remote Desktop Protocol (RDP) with help of Windows-10 Pro using LAN or Intranet or Internet. Overall, this abstract serves as a guide for leveraging remote desktop connections in libraries, promoting efficient resource utilization and enhancing user experiences in accessing remote computing resources.

Keywords: Remote access, Desktop sharing, Virtual desktop, Remote control software, Screen sharing, Remote administration, Remote connectivity, Remote desktop protocol (RDP), Windows-10 Pro.

1.0 Introduction

Today's the libraries are adopting the newer and most advanced technologies for accessing the another computers with the help of RDP. Remote Desktop Connection is a transformative technology facilitating seamless access to a computer or system from a remote location. By enabling users to connect to a distant machine as if they were sitting right in front of it, this tool transcends geographical barriers, fostering productivity and collaboration across distances. It empowers individuals and teams to efficiently manage files, run applications, troubleshoot issues, and perform tasks remotely, enhancing workflow flexibility and efficiency. With robust security measures in place, Remote Desktop Connection ensures data integrity and confidentiality. Its versatility caters to diverse needs, from IT professionals overseeing networks to individuals accessing their workstations from anywhere worldwide.

2.0 Windows users (using Remote Desktop)

Remote Desktop provides access to a computer running Windows 10 from a computer at another location. For example, connect to your office computer from home and use all your applications, files, and network resources just as if you were actually in your office, using your office computer. Using Remote Desktop, you can run applications on a remote computer running Windows 10 from any other client running a Windows operating system. The applications run on the Windows 10 based remote computer.

3.0 Benefit of RDP

Remote Desktop Connection allows seamless access to computers from anywhere, fostering collaboration and flexibility. It empowers remote work, enabling productivity regardless of location. This technology enhances troubleshooting by allowing IT support to remotely resolve issues swiftly. It ensures secure file sharing and access to resources, bolstering data protection measures. Remote Desktop Connection diminishes geographical barriers, facilitating real-time discussions and project collaborations. It minimizes downtime by enabling immediate access to essential applications and files. This tool supports work-life balance by granting flexibility in managing tasks and schedules. It promotes efficient teamwork, enhancing overall workflow and fostering a connected, productive environment for businesses and individuals alike.

International Journal of Information MovementVol.5 Issue II(June 2020)Website: www.iijim.inISSN: 2456-0553 (online)Pages30-34

4.0 Configuration of RDP:-

Use Remote Desktop on your Windows, Android, or iOS device to connect to a Windows 10 PC from afar. Here's how to set up your PC to allow remote connections and then connect to the PC you set up.

- 1. Go to Another/Second Computer / Server Computer (which you want to access.)
- Go to Start Button => Control Panel => User Account => Create a password for your account (if password set already go to step 3). => Typed a New Password => Confirm password => Type a password hint => click on Create password button.
- 3. Again Go to Start Button => Control Panel => System.
- 4. Click on "Remote Setting" (which is show on the Left Panel). => Click on Allow connections from computers running any version of Remote Desktop (less secure) As per shown in the below mentioned picture

© Home	Remote Desktop
Find a setting	P Remote Desktop lets you connect to and control this PC from a remote
System	Android, iOS and macOS). You'll be able to work from another device as if you were working directly on this PC.
O Power & sleep	Enable Remote Desktop
⊐ Storage	Keep my PC awake for connections when it is plugged in Show settings
Tablet	
리 Multitasking	enable automatic connection from a remote device
51 Projecting to this PC	Advanced settings
X Shared experiences	How to connect to this PC
System Components	Use this PC name to connect from your remote device:
2 Clipboard	Lakhpat-PC
Semote Desktop	Don't have a Remote Desktop client on your remote device?
V L	User accounts
H5 Optional features	Select users that can remotely access this PC
① About	Sector of the se

5.Here you must be note down the Server Computer Name (ie Lakhpat-PC), User Name and Password for Authenticating to Access on Client.

6. On the Server Computer Must be ensure that **File and Printer Sharing**, **Remote Assistance**, **Remote Desktop**, must be clicked/On in the **Control Panel** => **Windows Firewall** Setting As per shown in the below mentioned picture

International Journal of Information Movement Website: <u>www.ijim.in</u>

Vol.5 Issue II (June 2020)

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Pages 30-34



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- 7. Go to your **client computer** (on which you want to access the Server)
- 8. Go to Start Button => All Programs => Windows Accessories => Remote Desktop Connection.
- 9. Expand the **Option** Button by Clicking (Which show at the Left Down Corner)

International Journal of Information MovementVol.5 Issue II(June 2020)Website: www.ijim.inISSN: 2456-0553 (online)Pages30-34

As per shown in the below mentioned picture

Temple Deskop connection			
Remote Desktop			
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User name: MicrosoftAccount\Administrator			
Saved credentials will be used to connect to this can edit or delete these credentials.	computer. You		-
Show <u>O</u> ptions	Connect	Help	

10. Enter the **Server-Computer-Name** and **User-Name** and Click on **Connect** Button. As per shown in the below mentioned picture

	Conne	ectio	n		
General E	isplay Local P	tesources	Experience Adv	anced	
Logon set	tings				
21	Enter the nam	e of the rem	ote computer.		
	Computer	Lakhpat	PC		~
	Username	lakhpat			
	You will be as	iked for crea	lentials when you	connect.	
	Allow me t	o save crec	entials		
Connectio	n settings				
	Save the curr saved conne	ent connecti ction	on settings to an F	RDP file or	open a
1000	Bave	0	Save As		Open
👝 Hide Qr	ations			Connect	Help

International Journal of	Information Movemen	t Vol.5 Issue II	(June 2020)
Website: <u>www.ijim.in</u>	ISSN: 2456-0553 (onlin	e) Pages	30-34

11. Enter the Server **Password** and click **OK** button.

As per shown in the below mentioned picture

	Remote Desk	top		
Wi	ndows Security	r->:	×	
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Th	ese credentials will be used	d to connect to 172 (0.0.0		
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5.0 Conclusion:

In summary, accessing another computer through Remote Desktop Connection in libraries offers unparalleled convenience and access to resources. This method fosters collaborative learning, enables efficient troubleshooting, and facilitates seamless information sharing. Users can harness this tool to access specialized software, retrieve files securely, and engage in remote teamwork. It empowers individuals with the flexibility to work across locations, promoting productivity and knowledge exchange. However, it's crucial to prioritize cybersecurity measures, ensuring encryption and strong authentication methods to safeguard sensitive data. Embracing Remote Desktop Connection in library settings not only expands accessibility but also encourages innovation and connectivity in the digital landscape.

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