Remote access to the observatory

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Remote Desktop Protocol (RDP)

In this section we explain how to access our observatory remotely using the Remote Desktop Protocol (RDP).

Linux:

For Linux users we recommend **Remmina**, which to our knowledge is available in the repositories of all major distributions. Nevertheless, the following configuration is in principle transferable to any other RDP client.

				Remmina Remote Desktop Client (on a12)	-	٥	8
ж.	RDP 🔻	4				ж	=
Name	+ Gro	pup	Server	Last time used			
Total	0 items						

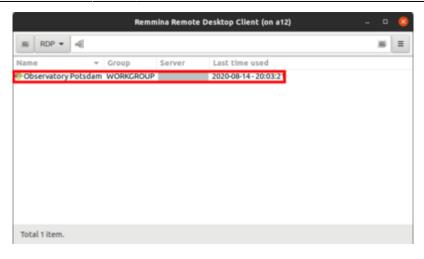
After **Remmina** has been started, the first thing to do is to create a new profile by clicking on the button in the upper left corner (see image above). The fields Name, Group, Server, Username and Password must be set (see image below). Name is the name of the profile, which can be chosen freely. Group must be set to *WORKGROUP*. Server is the IP of the Observatory Management System (OMS). The Username for daily use is *BP34_User*. Password is self-explanatory. Server and Password will be provided on request.

	Remot	e Desktop Preference (on a12)			
Profile Name	Observatory Po	tsdam				
Group	roup WORKGROUP					
Protocol	🔶 RDP - Remot	RDP - Remote Desktop Protocol				
Pre Command	command %h %	iu %t %U %p %g –option				
Post Command	/path/to/comm	and -opt1 arg %h %u %t	-opt2 %U %p %g			
Server User name User password Domain	X00.X0 BP34_			*		
Resolution	-	client resolution		¥		
Color depth GFX AVC444 (32 bpp)						
Share folder (None)						
🗌 Disable automa	tic reconnection					
Cancel	Save as Default	Save	Connect	Save and Connect		

If access is not via the local IP address space, an SSH tunnel must be established. To do this, you should select the SSH Tunnel tab in the profile configuration-window (see image below). After that you have to select Custom, set the server name to one of the computers of the Astro Cluster, e.g. *prakt.astro.physk.uni-potsdam.de* and use a valid user name like *castor*. If authentication is not done by public key cryptography, the Password must be set as well.

	Remot	e Desktop Preference	(on a12)	8		
Profile						
Name Observatory Potsdam						
Group	WORKGROUP			*		
Protocol	🔶 RDP - Remot	e Desktop Protocol		-		
Pre Command	command %h %	iu %t %U %p %g –optio	n			
Post Command	/path/to/comm	and -opt1 arg %h %u %	t-opt2 %U %p %g			
Basic Advanced	SSH Tunnel					
Same server at por		🗌 Tunnel via lo	opback address			
Custom a12.astro.physik.uni-potsdam.de						
Character set			-			
SSH Authentication						
User name	User name castor					
SSH Agent (autom)	atic)					
Password						
O Public key (automa	atic)					
Identity file	(None)					
Cancel	Save as Default	Save	Connect	Save and Connect		

After saving the configuration, the connection can be established at any time by double-clicking on the corresponding entry.



Windows:

For Windows, **Remote Desktop Connection** from Microsoft can be used. After **Remote Desktop Connection** has been started, a new profile should be created. To do this, first click on "Show options".

Nemote		\times				
N	Remote Desktop Connection					
Computer:	Example: computer.fabrikam.com	n ~]			
User name:	None specified					
The computer name field is blank. Enter a full remote computer name.						
Show O	ptions	Connect	He	lp		

Afterwards the IP or the URL of the Observatory Management System (OMS) can be entered under Computer. Furthermore the User name must be set, which is composed of the computer name and the account name as follows:

DESKTOP-6QQIP9S\BP34_User

The name of the computer and account is *DESKTOP-6QQIP9S* and *BP34_User*, respectively.

The IP and password will be provided upon request.

If the credentials are to be saved, the option Allow me to save credentials must be activated.

퉣 Remo	ote Desktop Connection	<u>89</u>		×	
A	Remote Desk Connectio				
General	Display Local Resources settings Enter the name of the ren Computer: User name: DESKTO You will be asked for cred	note computer P-6QQIP9S\B dentials when y	P34_Admin	·]
	ction settings Save the current connect saved connection. Save	Save As		or open a lpen He	

The connection can be established by clicking on Connect. You will then be asked for the credentials. If entered correctly, the connection will be established.

Unfortunately **Remote Desktop Connection** does not support tunneling into the university network via SSH or any other free software. From outside the university network a connection has to be established, e.g., via a SSH tunnel. For this purpose a SSH client like **PuTTY** is recommended. We will not go into further details on how to configure this, since detailed instructions are already available on the Internet (see e.g. www.saotn.org).

TeamViewer

TeamViewer is a proprietary software for remote access to computers, online meetings and conferences, which can be used free of charge for non-commercial purposes. It is characterized by an extremely simple handling. To log in to a remote computer, only the ID of the remote computer and the associated password are required. The ID must be entered under Partner ID, while the password is requested after clicking the Connect button.

TeamViewer – 😣							
Connection Extras Help Re	iease Notes	Insert partner ID 🧽 Connect 🗸					
Sign In Don't have an account?	Allow Remote Control	Control Remote Computer					
+ Remote Control							
Computers & Contacts	Password	Remote control File transfer					
🛃 Chat							
Getting Started		← Connect					
TeamViewer	 Ready to connect (secure connection) 						

Both the ID and the password will be provided upon request.

The big disadvantage of **TeamViewer** is that it only works if an account is already logged into the computer and **TeamViewer** is started.

Virtual Network Computing (VNC)

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