

Comparison of remote desktop software

This page is a **comparison of remote desktop software** available for various platforms.

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References

Remote desktop software

Software	Protocols	Creator	First public release date	Latest stable year, version	License	Free for personal use	Free for commercial use
<i>AetherPal</i>	Proprietary	AetherPal Inc.	2011	2016, Valet	Proprietary	No	No
<i>Ammyy Admin</i>	Proprietary	Ammyy Inc.	2007	2015, 3.5 ^[1]	Proprietary	Yes	No
<i>AnyDesk</i>	Proprietary	AnyDesk Software GmbH	2015	2020-07-28, 6.0.7	Proprietary	Yes	No
<i>Anyplace Control</i>	Proprietary	Anyplace Control Software	2002	2012, 5.4.0.0	Proprietary	No	No
<i>Anywhere TS</i>	RDP, ICA	Qzone	?	2009, 3.4	Proprietary	Yes	Yes
<i>Apple Remote Desktop</i>	RFB (VNC)	Apple	2002	2017, 3.9 ^[2]	Proprietary	No	No
<i>Apple Screen Sharing (iChat)</i>	Proprietary, RFB (VNC)	Apple	2007	2014, 1.6	Proprietary	Yes	Yes
<i>AppliDis</i>	RDP	Systancia	?	2013, 4 SP3	Proprietary	No	No
<i>BeAnywhere Support Express</i>	Proprietary	BeAnywhere	1996	2015, 6.00	Proprietary	No	No
<i>Cendio ThinLinc</i>	RFB (VNC)	Cendio AB	2003	2020-07-29, 4.12.0	Proprietary	Yes ^[a]	Yes ^[a]
<i>Chicken of the VNC</i>	RFB (VNC)	?	2002	2011-02, 2.1.1	GPL	Yes	Yes
<i>Chrome Remote Desktop</i>	Chromoting	Google	2011	2018, 70.0.3538.21	BSD Client, Proprietary Server	Yes	Yes
<i>CloudBerry Lab (CloudBerry Remote Assistant)</i>	Proprietary	CloudBerry Lab	May 25, 2017	2018-08, 1.7.2	Proprietary	Yes	Yes
<i>Citrix XenApp/Presentation Server/MetaFrame/WinFrame</i>	RDP, ICA	Citrix Systems	1995	2018-06-01, 7.18	Proprietary	No	No
<i>Ericom Connect</i>	Proprietary	Ericom Software	2015	2019, 9.1	Proprietary	No	No
<i>GO-Global</i>	Proprietary	GraphOn	?	?	Proprietary	No	No
<i>Goverlan Systems Management (Goverlan Reach Remote Control)</i>	Proprietary, RDP, RFB (VNC), Intel vPro KVM, SSH	Goverlan Systems Management	1998	2019, 9.01	Proprietary		
<i>GoToMyPC</i>	Proprietary	Citrix Online	2000	2013	Proprietary		
<i>HP Remote Graphics Software (RGS) / ZCentral Remote Boost</i>	HP RGS	Hewlett-Packard	2003	2019, 7.7	Proprietary		
<i>IBM Director Remote Control</i>	Proprietary	IBM	?	?	Proprietary		
<i>I'm InTouch</i>	Proprietary	Communique	2000	2015, 9.51	Proprietary		
<i>Veyon</i>	RFB (VNC)	?	2005	2019-05-08, 4.2.1	GPL	Yes	Yes
<i>KRDC</i>	RFB (VNC), RDP	Tim Jansen, Urs Wolfer, a.o.	2010	2014-07, 4.13.95 ^[c]	GPL	Yes	Yes
<i>LogMeIn</i>	Proprietary	LogMeIn, Inc.	?	?	Proprietary	No	No
<i>Mikogo</i>	Proprietary	BeamYourScreen GmbH	?	2015-03-24, 5.2.2 ^[4]	Proprietary	Yes	No
<i>Netop Remote Control</i>	Proprietary	Netop Business Solutions A/S	1987	2020-07-13, 12.83	Proprietary	No	No
<i>NetSupport Manager</i>	Proprietary	NetSupport Software	1989	2019	Proprietary	No	No
<i>Netviewer</i>	Proprietary	Netviewer AG	?	?	Proprietary	No	No
<i>NX technology</i>	Proprietary	NoMachine	2003	2020	Proprietary	Yes	No
<i>Open Virtual Desktop</i>	RDP	Ulteo	2009	2014, 4.0.1	GPL Client, Proprietary Server	No	No
<i>Oracle Secure Global Desktop Software/Sun VDI</i>	AIP	Tarantella/Oracle Inc.	1997	2015-04, 5.2.903	Proprietary	No	No
<i>Parsec</i>	Proprietary	Parsec Cloud, Inc	2016	2016-07, 3.5	Proprietary	Yes	No
<i>Proxy Networks</i>	Proprietary	Funk Software Inc.	1993	2020-01-29, 10.2	Proprietary	No	No
<i>QVD</i>	NX and HTTP	Qindel Group	2001	2017-02, 4.0.0 ^[5]	GPL	Yes	Yes
<i>rdesktop</i>	RDP	Matthew Chapman	2001	2013	GPL	Yes	Yes
<i>Remmina</i>	RDP, RFB (VNC), SPICE, XDMCP, SSH	Originally written by Vic Lee	2009	2020-08-14, 1.4.8	GPL	Yes	Yes
<i>Remote Desktop Services/Terminal Services</i>	RDP	Microsoft	1998	2016	Proprietary	Yes	Yes ^[d]

Proprietary software, non-free software, or c software, is computer software which the software's another person retain property rights—usually c source code, but some

Software	Protocols	Creator	First public release date	Latest stable year, version	License	Free for personal use	Free for commercial use
<i>Remote Utilities</i>	<u>Proprietary</u>	Alex Ter-Osipov, Remote Utilities LLC	2004	2019	<u>Proprietary</u>	Yes	No
<i>ScreenConnect</i>	<u>Proprietary</u>	Elsinore Technologies	2008	2017, 6.2	<u>Proprietary</u>	No	No
<i>Splashtop</i>	<u>Proprietary</u>	Splashtop Inc	2010	2020-03-24, 3.3.8.0	<u>Proprietary</u>	No	No
<i>SSH with X forwarding</i>	<u>X11</u>	?	1999	2015, OpenSSH: 7.1, protocol: 2.0	<u>BSD</u>	Yes	Yes
<i>Sun Ray/SRSS</i>	<u>ALP</u>	?	?	?	<u>Proprietary</u>	?	?
<i>Symantec pcAnywhere</i>	<u>Proprietary</u>	Symantec Corporation	1986	2012, 12.6.65	<u>Proprietary</u>	No	No
<i>TeamViewer</i>	<u>Proprietary</u>	TeamViewer GmbH	2005	2020-07-28, 15.8	<u>Proprietary</u>	Yes	No
<i>Technline</i>	<u>RDP</u>	Technline Ltd.	2006	2016, 4.2.2	<u>Proprietary</u>	No	No
<i>Teradici</i>	<u>PCoIP</u>	Teradici Corp.	2007	2016	<u>Proprietary</u>	No	No
<i>Thinc</i>	<u>Thinc</u>	Columbia university	2007	2008	<u>GPL</u>	Yes	Yes
<i>TigerVNC</i>	<u>RFB (VNC)</u>	Red Hat, Cendio AB, The VirtualGL Project	2009	2019, 1.10.1 ^[6]	<u>GPL</u>	Yes	Yes
<i>TightVNC</i>	<u>RFB (VNC)</u>	Constantin Kaplinsky	2001	2019, 2.8.11 ^[7]	<u>GPL</u>	Yes	Yes
<i>Timbuktu</i>	<u>Proprietary</u>	WOS Datasystems	pre-1988	2013, 8.8.5 (macOS)/9.0.5 (Windows)	<u>Proprietary</u>	Yes	Yes
<i>TurboVNC</i>	<u>RFB (VNC)</u>	The VirtualGL Project	2004	2018, 2.2	<u>GPL</u>	Yes	Yes
<i>UltraVNC</i>	<u>RFB (VNC)</u>	Rudi De Vos, UltraSam, Martin Scharpf, Oliver Schneider	2005	2020-02-19, 1.2.4.0	<u>GPL</u>	Yes	Yes
<i>Vinagre</i>	<u>RFB (VNC), SPICE, RDP, SSH</u>	The GNOME Project	2007	2019-05-08, 3.32.2	<u>GPL</u>	Yes	Yes
<i>xpra</i>	<u>Bencode-based, reencode (https://github.com/aresch/reencode)-based, YAML-based, RFB (VNC) for desktop mode</u>	Nathaniel Smith	2008	2020-06-04, 4.0.2 ^[8]	<u>GPL</u>	Yes	Yes
<i>X11vnc</i>	<u>RFB (VNC)</u>	Karl Runge	2001	2019, 0.9.16 ^[9]	<u>GPL</u>	Yes	Yes
<i>X2Go</i>	<u>NX</u>	Oleksandr Shneyder and Heinz-M. Graesing ^[10]	2006 ^[10]	2018, 4.1.0.3	<u>GPL</u>	Yes	Yes
<i>x2x</i>	<u>X11</u>	David Chaiken	1996	2003, 1.27	<u>BSD</u>	Yes	Yes
Software	Protocol	Creator	First public release date	Latest stable version	License	Free for personal use	Free for commercial use

Operating system support

Software	Microsoft Windows		Mac OS X		Linux		FreeBSD		Java (client)	Android		iOS		Blackberry (client)	Windo Server
	Server	Client	Server	Client	Server	Client	Server	Client		Client	Server	Client	Server		
AetherPal	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	?	Yes	No	Yes	No
Ammy Admin	Yes	Yes	No	No	No	No	No	No	No	No	?	No	No	No	No
AnyDesk	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No
AppliDis	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	?	Yes	No	No	No
Apple Remote Desktop	No	No	Yes	Yes	?	No	No	No	No	No	?	No	No	No	No
BeAnywhere Support Express	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	?	Yes	No	No	No
Cendio ThinLinc	No	Yes	No	Yes	Yes	Yes	No	Yes ^[e]	No	Yes ^[f]	No	Yes ^[g]	No	Yes ^[h]	No
Citrix XenApp	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	?	Yes	No	Yes	No
CloudBerry Lab (CloudBerry Remote Assistant)	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
Ericom Connect	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No
GO-Global	?	Yes	?	Yes	?	Yes	?	No	Yes	Yes	?	Yes	No	No	?
Goverlan Systems Management (Goverlan Reach Remote Control)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
GoToMyPC	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	?	Yes	No	No	No
HP Remote Graphics Software (RGS) / ZCentral Remote Boost	Yes ^[11]	Yes	No	Yes	Yes	Yes	No	No	No	No	?	No	No	No	?
IBM Director Remote Control	Yes	Yes	No	No	No	No	No	No	Yes	No	?	No	No	No	No
I'm InTouch	Yes	No	No	No	No	No	No	No	No	No	?	No	No	No	No
Veyon	Yes	Yes	No	No	Yes	Yes	No	No	No	No	?	No	No	No	No
KRDC	No	No	No	No	No	Yes	No	Yes	No	No	?	No	No	No	No
LogMeIn Pro	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	?	Yes	No	No	No
Mikogo	?	Yes	?	Yes ^[k]	?	Yes ^[l]	?	No	No	Yes ^[m]	?	Yes ^[n]	No	No	?
Netop Remote Control	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	No	Yes
NetSupport Manager	Yes	Yes	Yes	Yes	Yes	Yes	?	Yes	Yes	Yes	?	Yes	No	No	?
Netviewer	?	Yes	?	No	?	No	?	No	No	Yes ^[15]	?	?	No	No	?
NX Technology	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No	No	No
Open Virtual Desktop	Yes	Yes	No	No	Yes	Yes	No	No	Yes	Yes	?	Yes	No	Yes	No
Oracle Secure Global Desktop Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	?	No	No	No	?
Proxy Networks	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	?	Yes	No	No	No
QVD	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	?	Yes	No	No	No
rdesktop	No	Yes ^[16]	?	Yes	No	Yes	?	Yes	Yes	?	?	?	No	No	?
RealVNC Free	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	?	Yes	No	No	?
RealVNC Personal	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	?	Yes	No	No	?
RealVNC Enterprise	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	?	Yes	No	No	?
Remmina	No	No	No	Yes	No	Yes	No	Yes	No	No	?	No	No	No	?
Remote Desktop Services/Terminal Services	Yes	Yes	No	Yes ^[p]	Yes ^[18]	Yes	No	Yes	?	Yes	?	Yes	No	No	?
Remote Utilities	Yes	Yes	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No
ScreenConnect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	Yes	No	No	No
Splashtop	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes ^[21]

Software	Microsoft Windows		Mac OS X		Linux		FreeBSD		Java (client)	Android		iOS		Blackberry (client)	Windo Server
	Server	Client	Server	Client	Server	Client	Server	Client		Client	Server	Client	Server		
<i>SSH with X forwarding</i>	No	Yes ^[1]	No	Yes ^[1]	Yes	Yes	Yes	Yes	No	Yes ^[22]	?	Yes	No	No	?
<i>Sun Ray/SRSS</i>	?	Yes	?	No	?	Yes	?	No	Yes	No	?	No	No	No	?
<i>Sub7</i>	?	No	?	No	?	No	?	No	Yes	?	?	?	No	No	?
<i>Symantec pcAnywhere</i>	?	Yes	?	Yes	?	Yes	?	No	Yes	?	?	?	No	Yes	?
<i>TeamViewer</i>	Yes ^[23]	Yes ^[23]	Yes ^[24]	Yes ^[24]	Yes ^[25]	Yes ^[25]	No	No	Yes	Yes ^[26]	Yes ^[26]	Yes ^[27]	No	Yes ^[28]	Yes ^[29]
<i>Technline</i>	Yes	Yes	No	No	No	No	No	No	No	No	?	No	No	No	No
<i>TightVNC</i>	Yes	Yes	No	Yes ^[5]	Yes ^[1]	Yes ^[1]	Yes ^[1]	Yes ^[1]	Yes	Yes	?	?	No	No	?
<i>TigerVNC</i>	Yes	Yes	No	Yes	Yes	Yes	Yes ^[11]	Yes ^[11]	Yes	No	?	No	No	No	No
<i>Timbuktu</i>	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No
<i>TurboVNC</i>	No	Yes	No	Yes ^[1]	Yes	Yes ^[11]	Yes ^[11]	Yes ^[11]	Yes ^[11]	No	?	No	No	No	No
<i>UltraVNC</i>	Yes	Yes ^[1]	No	No	No	No	No	No	Yes	No	No	No	No	No	No
<i>xpra</i>	Yes ^[2]	Yes	Yes ^[2]	Yes	Yes	Yes	Yes	Yes	No ^[aa]	No	No	No	No	No	No
<i>X11vnc</i>	No	Yes	Yes	Yes	Yes	Yes	?	Yes	Yes	?	?	?	No	No	?
<i>X2Go</i>	No	Yes ^[35]	No	Yes ^[35]	Yes ^[36]	Yes ^[35]	No	Yes ^[35]	No	No	?	No	No	No	No
<i>x2x</i>	No ^[ac]	No ^[ad]	No ^[ac]	Yes	No ^[ac]	Yes	No ^[ac]	Yes	No	?	No ^[ac]	?	No	No	No ^[ac]
Software	Server	Client	Server	Client	Server	Client	Server	Client	Java (client)	Client	Server	Client	Server	Blackberry (client)	Windo Server
	Microsoft Windows		Mac OS X		Linux		FreeBSD			Android		iOS			

Features

Software	Client/server /listening	Built-in encryption	File transfer	Audio support	Multiple sessions	Seamless window	Remote assistance	Access permission request	NAT passthrough	IPv6 support	Max simult conn
<i>AetherPal</i>	Client & server	SSL, TLS	Yes	No	Yes	Yes	Yes	Yes	Yes	?	Ur
<i>Ammyy Admin</i>	Client & server	AES, RSA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	
<i>AnyDesk</i>	Client & server	SSL, TLS 1.2, AES	Yes	Yes	Yes	?	Yes	Yes	Yes	No	Ur (depl ic)
<i>Anyplace Control</i>	Client & server	RC4, RSA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	Ur
<i>AnywhereTS</i>	Client only	SSL, TLS	Yes	Yes	Yes	No	?	?	?	?	
<i>AppliDis</i>	Client & server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Ur
<i>Apple Remote Desktop</i>	Client & server	AES-128	Yes	No	Yes	No	Yes	Yes	No	Yes	Ur
<i>Apple Screen Sharing (iChat)</i>	Client & server	AES-256	No	No	Yes	No	?	?	?	Yes	Ur
<i>BeAnywhere Support Express</i>	Client & server	SSL, TLS, AES	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Ur
<i>Cendio ThinLinc</i>	Client & server (Linux only)	SSH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^[ae]	Ur
<i>Chicken of the VNC</i>	Client only	No	No	No	No	No	?	?	?	?	Ur
<i>Chrome Remote Desktop</i>	Client & server	SSL, TLS	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Ur
<i>CloudBerry Lab (CloudBerry Remote Assistant)</i>	Client & server	SSL, AES-256	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Ur
<i>Citrix XenApp</i>	Client & server	SSL, TLS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>Ericom Connect</i>	Client & server	SSL, TLS ^[37]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>GO-Global</i>	Client & server	SSL, DES-56, DES-168, AES-256	Yes	Yes	Yes	Yes	?	?	?	?	
<i>Goverlan Systems Management (Goverlan Reach Remote Control)</i>	Client & server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>GoToMyPC</i>	?	Yes	Yes	Yes	?	?	Yes	Yes	?	?	
<i>HP Remote Graphics Software (RGS)</i>	Client & server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	No	Ur
<i>IBM Director Remote Control</i>	Client & server	AES, Triple DES, DES	Yes	No	Yes	No	?	?	?	?	
<i>I'm InTouch</i>	Web client & Win server	SSL, AES-256	Yes	Yes	Yes	No	?	?	?	?	
<i>Veyon</i>	Client & server	SSH	No	No	Yes	No	Yes	No	?	No	Ur
<i>KRDC</i>	Client only	No	No	Yes	Yes	Yes	?	?	?	?	
<i>LogMeIn</i>	Pro only	SSL, TLS ^[38]	?	Yes ^[39]	?	?	?	?	?	?	
<i>Mikogo</i>	Client & server ^[af]	AES-256	Yes	No	Yes ^[ag]	No	?	?	?	?	
<i>Netop Remote Control</i>	Client & server & listening	SSL, TLS, AES-256	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>NetSupport Manager</i>	Client & server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Ur
<i>Netviewer</i>	Client & server	AES-128	Yes	Yes	Yes	No	Yes	Yes ^[ah]	?	?	
<i>NX technology</i>	Client & server	AES 128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<i>Open Virtual Desktop</i>	Client & server	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Ur
<i>Oracle Secure Global Desktop Software/Sun VDI</i>	Client & server	SSL, TLS (AES-256)	Yes	Yes	Yes	Yes	?	?	?	?	
<i>Proxy Networks</i>	Client, server, & gateway	SSL, AES-256	Yes	No	Yes	Yes	Yes	Yes	Yes, client	Yes	Ur
<i>QVD</i>	Client & server	SSL	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Ur

Software	Client/server /listening	Built-in encryption	File transfer	Audio support	Multiple sessions	Seamless window	Remote assistance	Access permission request	NAT passthrough	IPv6 support	Ma simu con
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Software	Client/server /listening	Built-in encryption	File transfer	Audio support	Multiple sessions	Seamless window	Remote assistance	Access permission request	NAT passthrough	IPv6 support	Max simult conn
<i>rdesktop</i>	Client only	Yes	Yes	Yes	Yes	Yes ^[ai]	?	?	?	Yes	
<i>RealVNC Home</i>	Client, server, & listening	<u>AES-128</u>	No	No	Yes	No	Yes	Yes	Yes in listening mode	No	Ur
<i>RealVNC Professional</i>	Client, server, & listening	<u>AES-128</u>	Yes	Yes	Yes	No	Yes	Yes	Yes in listening mode	Yes	Ur
<i>RealVNC Enterprise</i>	Client, server, & listening	<u>AES-256</u>	Yes	Yes	Yes	No	Yes	Yes	Yes in listening mode	Yes	Ur
<i>Remmina</i>	Client only	<u>AES-256</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>Remote Desktop Services/Terminal Services</i>	Client & server	Yes	Yes	Yes	Yes ^[ai]	Yes ^[am]	Yes ^[an]	Yes ^[ao]	No	Yes	Ur
<i>Remote Utilities</i>	Client & server	<u>AES-256</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur (dep lic)
<i>ScreenConnect</i>	Client & server	<u>AES-256</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	
<i>Splashtop</i>	Client & server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ur
<i>SSH with X forwarding</i>	Client & server	Yes	Yes	Partial ^[ap]	Yes ^[aq]	Yes	?	?	No	Yes ^[ar]	Ur
<i>Sun Ray/SRSS</i>	Client, server, & hardware	Yes	No	Yes	Yes	No	?	?	?	?	
<i>Sub7</i>	Client & server	No	No	No	No	No	?	?	?	?	
<i>Symantec pcAnywhere</i>	Client & server	<u>AES-256</u>	Yes	No	Yes	No	Yes	Yes	?	No	
<i>TeamViewer</i>	Client & server	<u>AES-256</u>	Yes	Partial ^[as]	Yes	No	Yes	Yes	Yes, client & server	Yes	3
<i>Techinline</i>	Client & server	Yes	Yes	No	Yes	?	Yes	Yes	Yes	?	1 or
<i>TightVNC</i>	Client, server, & listening	SSH (Unix client only)	Yes	No	Yes	No	Yes	Yes	Yes in listening mode	?	Ur
<i>TigerVNC</i>	Client, server, & listening	<u>SSL, TLS</u>	No	No	Yes	No	No	No	Yes in listening mode	Yes	Ur
<i>Timbuktu</i>	Client & server	Yes	Yes	No	Yes	No	Yes	Yes	?	?	
<i>TurboVNC</i>	Client, server, & listening	<u>SSL, TLS, SSH</u>	No	No	Yes	No	No	No	Yes in listening mode	Yes	Ur
<i>UltraVNC</i>	Client & server & listening	With plugin	Yes	No	Yes	Partial ^[au]	Yes	Yes	Yes, with SC version + external "Repeater" server	?	Ur
<i>xpra</i>	Client & server	<u>SSH, TLS, AES</u>	Yes	Yes	Yes	Yes ^[av]	Yes	Yes	Yes, server ^[aw]	Yes	Ur
<i>X11vnc</i>	Server only	<u>SSL</u>	Yes	No	Yes	No	Yes	?	?	Yes	Ur
<i>X2Go</i>	Client & server	<u>SSH</u>	Yes	Yes ^[az]	Yes	Yes	Yes	?	?	?	
<i>x2x</i>	Client only	Yes ^[ba]	No	No	Yes	N/A	?	?	?	?	
Software	Client/server /listening	Built-in encryption	File transfer	Audio support	Multiple sessions	Seamless window	Remote assistance	Access permission request	NAT passthrough	IPv6 support	Ma simu coni

Terminology

In the table above, the following terminology is intended to be used to describe some important features:

- **Listening mode:** where a server connects to a viewer. The server site does not have to configure its firewall/NAT to allow access on port 5900 (or 5800); the onus is on the viewer, which is useful if the server site has no computer expertise, while the viewer user would be expected to be more knowledgeable.
- **Built-in Encryption:** the software has at least one method of encrypting the data between the local and remote computers, and the encryption mechanism is built into the remote control software.
- **File Transfer:** the software allows the user to transfer files between the local and remote computers, from within the client software's user interface.
- **Audio Support:** the remote control software transfers audio signals across the network and plays the audio through the speakers attached to the local computer. For example, music playback software normally sends audio signals to the locally attached speakers, via some sound controller hardware. If the remote control software package supports audio transfer, the playback software can run on the remote computer, while the music can be heard from the local computer, as though the software were running locally.
- **Multiple sessions:** the ability to connect to a server in many users, and each one see his different desktop

- **Seamless Window:** the software allows an application to be run on the server, and just the application window to be shown on the client's desktop. Normally the remote user interface chrome is also removed, giving the impression that the application is running on the client machines.
- **Remote Assistance:** remote and local users are able to view the same screen at the same time, so remote user can assist a local user.
- **Access Permission Request:** local user should approve a remote access session start.
- **NAT Passthrough:** the ability to connect to the server behind a NAT without configuring the router's port forwarding rules. It offers an advantage when you can't reconfigure the router/firewall (for example in case it is on the Internet service provider's side), but is a serious security risk (unless the traffic is end-to-end encrypted), because all the traffic will pass through some proxy server which in most cases is owned by the remote access application's developers.
- **Maximum simultaneous connections:** number of clients connected to the same session
- **Screen blanking:** the ability to prevent the user of the host/server from viewing what is currently being displayed on the screen while a remote user is connected.
- **Session persistence:** unsaved work will not be lost when the user disconnects or in the event of connection loss

See also

- [Comparison of Java Remote Desktop projects](#)
- [Comparison of SSH clients](#)

Notes

- a. Free use limited to 5 concurrent users.
- b. Receiver is a free download^[3] Sender is free on HP Z Workstations.
- c. Since 2010 KRDC has been integrated with the KDE desktop manager.
- d. Admin mode available for servers & workstations without additional licensing, in TS mode a separate license is required.
- e. Web Access Client with Android support.
- f. Web Access Client with iOS support.
- g. Web Access Client with touch support.
- h. Web Access Client with touch support.
- i. Web Access Client with touch support.
- j. Web Access Client with touch support.
- k. Some features are MS Windows-only.
- l. Some features are MS Windows- and Apple Mac-only.^[12]
- m. Available to view a remote desktop from Google Android Linux devices.^[13]
- n. Available to view a remote desktop from Apple iOS devices.^[14]
- o. Web Access Client for browser.
- p. There exists an "official" client for Apple Mac OS, as well as several independent implementations. See for example the "CoRD" entry above, an alternative open source RDP client for Mac^[17]
- q. Windows Mobile Remote Desktop is an optional part of WM 6.1.^{[19][20]}
- r. To use Windows or Mac OS X as a client, an **X server** needs to be installed and running. Windows or Mac OS X can be used as a server, if they have an SSH server running; but only X11 applications (not native GUI applications) can display their GUI on the client; on Windows these probably have to be run within **Cygwin**.
- s. As X application, 1.3.x version only.^[32]
- t. 1.3.x version only "[Download \(Previous Versions\)](http://www.tightvnc.com/download-old.php)" (<http://www.tightvnc.com/download-old.php>). TightVNC. Retrieved 24 August 2013.
- u. Requires installation from source.
- v. Bundled Java application that uses [libjpeg-turbo](#) native library for accelerated JPEG decompression.^[33]
- w. Bundled Java application that uses [libjpeg-turbo](#) native library for accelerated JPEG decompression.^[33]
- x. Can use [libjpeg-turbo](#) through [JNI](#) to accelerate JPEG decompression.^[33]
- y. UltraVNC v1.0.4 RC4 (beta) claims "Greatly improved Vista support" as of 1 October 2007.^[34]
- z. No seamless mode
- aa. Working code exists but it is unmaintained
- ab. The server includes a built-in HTML5 client
- ac. It is designed to run only on the client; it can connect to any X11 server.
- ad. This could actually work when running an X server, but it is easier to use Win2VNC instead.
- ae. Only when host names are used.
- af. Connections are centrally negotiated via Mikogo server.
- ag. Up to ten participants.
- ah. 8 simultaneously.
- ai. With the addition of SeamlessRDP.^[41]
- aj. Using a Java applet.
- ak. Since it is a **GTK+** application, it can be accessed using the Broadway **HTML5** back-end, but this is not yet mature or a full replacement for a browser remote desktop client.
- al. Remote Desktop Services are single user only. Local screen is locked when remote user connects and local user can not view remote user's activities. Remote user is disconnected when local user logs in. Terminal Services use multiple independent desktops. Local user views its own desktop and can not view remote users' activities. Local user is not notified when remote user connects.
- am. Provided the server is running Windows 2008 or later.
- an. Assistance mode uses a separate client named MSRA (Microsoft Remote Assistance). Remote user must approve your access in assistance mode.
- ao. Access approval is always requested in assistance mode and never in remote access mode.
- ap. When using something like pulseaudio
- aq. No sessions at all, just individual windows. However one can use **Xnest**.
- ar. OpenSSH supports IPv6 and IPv6 forwarding.^[42]
- as. Audio sharing not available on Mac
- at. 3 with the free version; up to 15 with a license
- au. UltraVNC allows a single Window to be shown, however it is still doing full screen polling and not capturing the application details. This can cause other windows to overlap and popup windows to "disappear".
- av. Only for X sessions.
- aw. Using the proxy server.^[44]
- ax. Through SSH and/or xpra's authentication modules.^[45]
- ay. Via configuration and external tools.^[46]
- az. Via [PulseAudio](#).^[47]
- ba. Can be used over SSH session.

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