



## Netviewer Webinar 6.3

### Business Edition

With the Webinar solution from Netviewer, you can hold seminars over the Internet.

Netviewer Webinar is an interactive tool that enables two-way communication between the presenter and the audience. The presenter uses a telephone conference or VoIP to discuss presentations and documents shown on the screen; a video function is optional. Communication between the presenter and audience can occur verbally via telephone conference or VoIP or in written form via the chat function.

Netviewer Webinar is comprised of two components. First, the Webinar portal is used to plan, manage, and archive Webinars; second, client applications (Moderator and Participant programs) are used to hold the actual Webinar session.

This data sheet contains technical data for the SaaS platform (software-as-a-service). In other words, planning and management functions as well as communication between the client programs occur over servers hosted by Netviewer AG.

**Netviewer Webinar can be extensively customized to meet individual customer requirements.**

- The customer is able to adjust many of the settings in the form of profiles and for individual Webinars.
- The color scheme of registration pages and e-mail templates can be adjusted for each Webinar.
- The user interface of the client application can be adapted to reflect the customer's corporate design.

Number of participants: up to 200 participants/Webinar

### Procedural description

**Netviewer Webinars are planned and executed according to the following major steps:**

1. **Plan the Webinar**  
Decide on the date, number of participants, communication options, options for e-mail notifications, registration form, and design
2. **Announce the Webinar and send out invitations**  
Send a standardized e-mail specific to the Webinar to potential participants and ask them to register
3. **Registering for the Webinar**  
Participants register and the presenter can monitor the progress of participant registrations
4. **Approve participants and send access data**  
Approve or deny registrants for participation in the Webinar and send a confirmation e-mail with access data to all approved participants
5. **Hold the Webinar**  
The presenter starts the client application in the Webinar portal. Participants click on the link in the confirmation e-mail and enter the waiting room; the application starts; the Webinar session is established; the presenter presents his or her material
6. **Evaluate the Webinar**  
Analyze participation, send follow-up e-mails, and view the recording

### General product functions

- User management
- Profile management
- Usage statistics

### Functions of the Webinar portal

- Planning function
- Test and practice function
- Customizable registration form
- Design (logos/images) customizable
- Color scheme templates
- E-mail templates
- Automatic e-mails
- Participant management
- Usage statistics
- Participant report
- Waiting room
- Webinar archive
- Webinar recording
- System test

### Available languages for the Webinar portal

- German
- English
- French
- Italian
- Dutch
- Swedish
- Spanish
- Automatic language detection (based on browser setting)

## Netviewer Webinar for Windows

### General information

The Netviewer Webinar client application gives a presenter and his or her audience the ability to hold Webinars (online seminars) in real-time across great distances while communicating via telephone conference or VoIP, chat, and video.

The Netviewer Webinar client application consists of the Moderator and Participant programs. The Moderator program enables establishment of a Netviewer Webinar session. The Participant program enables the user to join a Webinar session that was started by the Presenter.

This data sheet contains technical data for the SaaS platform (software-as-a-service). In other words, communication between the client programs occurs over servers hosted by Netviewer AG.

### Functions during the Webinar

- Desktop sharing
- Preview monitor
- Video (max. resolution 320x240 pixels)
- Telephone conference
- Chat
- Voice over IP
- Asynchronous file transfer
- Survey Manager
- Co-moderators
- Session recording (file formats: .nlv and .flv)
- Application selection
- Whiteboard (if Event mode is deactivated)
- Event mode
- Full-screen mode
- Theater mode
- Adjustable screen scaling
- User interface modules freely positioned
- Emoticons

	Moderator program	Participant program
Application	directly executable .exe file	directly executable .exe file
Installation	none	none
License required?	yes	no

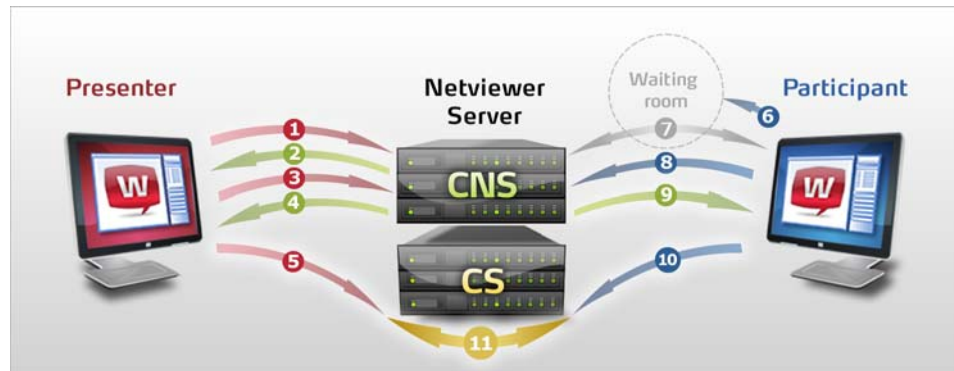
### System requirements

Supported operating systems	Windows 2000, XP, Vista, Windows 7 Windows Server 2000, 2003, 2008 – R2 (Support for 32-bit and 64-bit versions of Windows)
Supported browsers	IE 7+8, Firefox 3+, Recommended browser add-on: Java ( <a href="http://www.java.com">http://www.java.com</a> )
Processor	at least 1.0 GHz, at least 2.0 GHz if using VoIP and video
Memory requirement	at least 1 GB RAM
Graphics card	at least 128 MB RAM
Optional hardware	Headset, Webcam Multimedia devices must be at least DirectX 8.1 compatible
Internet connection	at least 2 MBit/s (DSL) for desktop sharing with VoIP and video with 200 session participants  Additional information is available in the Netviewer whitepaper on the subject "Bandwidth".

If your system does not fulfill the requirements described above or if your audio, webcam, and graphics drivers are not up-to-date, you may experience functional limitations in the Netviewer applications.

**Technical operation**

**Establishing a connection**



1. Presenter starts Moderator program, Moderator program contacts connection server (CNS)
2. CNS authenticates presenter
3. Moderator program forwards Webinar ID to the CNS
4. CNS sends URL of the communication server (CS) to the Moderator program.
5. Moderator program contacts CS and waits for Participants.
6. Participants enter the waiting room by clicking on a link in the invitation e-mail.
7. Waiting room continuously checks with the CNS to see if the session has started and then allows the Participant program to be downloaded. Each participant's access data (tokens) are transmitted during the download.
8. Participant programs start, contact the CNS and transmit the access data.
9. CNS returns the URL of the CS to the waiting Moderator program.
10. Participant programs contact this CS.
11. CS connects Moderator and Participant programs - the session is established.

**To establish a connection, the Netviewer Server infrastructure must be reachable:**

**Netviewer Server:** \*.netviewer.com

**Ports:** TCP-Port 2377 | TCP-Port 2000 | HTTPS-Port 443 | HTTP-Port 80

**Support for proxy servers**

Internet access can occur through regular proxy servers. The URL of the proxy server can be transmitted as follows:

- Dynamically from browser settings
- Manually by the user (may be saved)

**Proxy servers with authentication are supported as follows:**

- Automatic transfer of access data during Windows authentication.
- Manual entry of access data by the user (data may be saved).

**Ongoing session**

The Netviewer servers handle data transmission between the Moderator and Participant programs during an ongoing session.

**Security**

- Authentication in the Moderator program
- Unique access data for establishing each Webinar's connection
- VeriSign certificate
- SSL/TLS encryption while connection is established
- AES-256-bit Blowfish encryption of the session data

Additional information is available in the Netviewer whitepaper on the subject "Security".

**Available languages for the client application**

- German
- English
- French
- Spanish
- Italian
- Dutch
- Polish
- Russian
- Swedish
- Automatic language detection (based on operating system setting)

## Netviewer Webinar

### for Mac

The Netviewer Webinar client application for Mac gives a presenter and his or her audience the ability to hold online seminars in real-time across great distances while communicating via telephone conference or VoIP, chat, and video.

The Mac version of Netviewer Webinar consists of the Moderator program and the Participant program in one application. The Moderator program enables establishment of a Netviewer Webinar session. The Participant program enables the user to join a Webinar that was planned by the Presenter.

This data sheet contains technical data for the SaaS platform (software-as-a-service). In other words, communication between the client programs occurs over servers hosted by Netviewer AG.

	Moderator program	Participant program
Application	Disk image file (.dmg)	Disk image file (.dmg)
Installation	no	no
License required?	yes	no

### System requirements

Supported operating systems	Mac OS X 10.4 (Tiger), 10.5 (Leopard) and 10.6 (Snow Leopard)
Supported browsers	Safari, Firefox 3+, Recommended browser add-on: Java ( <a href="http://www.java.com">http://www.java.com</a> )
Processor	Power PC G5, Intel Core Duo, and Xeon
Memory requirement	at least 1 GB RAM
Graphics card	at least 128 MB RAM
Optional hardware	Headset, Webcam
Internet connection	at least 2 MBit/s (DSL) for desktop sharing with VoIP and video with 200 session participants

If your system does not fulfill the requirements described above or if your audio, webcam, and graphics drivers are not up-to-date, you may experience functional limitations in the Netviewer applications.

### Technical operation

#### Establishing a connection

To establish a connection, the Netviewer Server infrastructure must be reachable:

Netviewer Server:	*.netviewer.com
Ports:	TCP-Port 2377   TCP-Port 2000   HTTPS-Port 443   HTTP-Port 80

#### Support for proxy servers

Internet access can occur through regular proxy servers. The URL of the proxy server can be transmitted as follows:

- Dynamically from browser settings
- Manually by the user (may be saved)

#### Proxy servers with authentication are supported as follows:

- Automatic transfer of access data during Windows authentication.
- Manual entry of access data by the user (data may be saved).

#### Ongoing session

The Netviewer servers handle data transmission between the Moderator and Participant programs during an ongoing session.

### Security

- Authentication in the Moderator program
- Unique access data for establishing each Webinar's connection.
- VeriSign certificate
- SSL/TLS encryption while connection is established
- AES-256-bit Blowfish encryption of the session data

### Functions during the Webinar

- Desktop sharing
- Video (max. resolution 292x219 pixels)
- Chat
- Voice over IP
- Telephone conference
- Co-moderators
- Session recording (file formats: .nlv and .flv)
- Logging
- User interface modules freely positioned

### Available languages for the client application

- German
- English
- French
- Spanish
- Italian
- Dutch
- Polish
- Russian
- Swedish

## Netviewer Webinar

### HTML Client

The Netviewer Webinar HTML client is a Netviewer participant program (web application) based on HTML and JavaScript. It allows users on all platforms to join Netviewer Webinar sessions via a browser or through browser-capable mobile devices.

Application	Web application based on HTML and JavaScript
Installation	not required
License	not required
Compatibility	yes in version 6.2 and higher
Number of participants:	Up to 200 participants/session (Netviewer Webinar specification)

### System requirements

**Supported operating systems/mobile devices** All mobile devices and operating systems that support and use the browsers listed below.

**Supported browsers** Internet Explorer version 8.0 and above; Firefox version 3.6 and above; Chrome version 7.0 and above; Opera version 9.0 and above; or Apple Safari version 3.0 and above.

**Processor** at least 2 GHz

**Graphics card** at least 128 MB RAM

**Memory requirement** at least 1 GB RAM

**Internet connection** at least 2 MBit/s (DSL, UMTS)

If your system does not fulfill the requirements described above or if your system uses special browser extensions related to JavaScript, this may result in functional limitations in the Netviewer Webinar HTML client.

### Technical operation

#### Establishing a connection

To establish a connection, the Netviewer Server infrastructure must be reachable:

**Netviewer Server:** \*.netviewer.com

**Port:** HTTPS port 443

#### Support for proxy servers

The Netviewer Webinar HTML client uses the browser's proxy settings.

#### Ongoing session

The Netviewer servers handle data transmission between the Moderator and Participant programs during an ongoing session. The volume of data depends on the duration and content of the session.

### Security

- Unique access data for establishing each Webinar's connection
- SSL/TLS encryption of connection and session data.

### Functions

- Desktop sharing (participants in Watch mode)
- Chat
- Full-screen mode

### Available languages

- German
- English
- French
- Spanish
- Italian
- Dutch
- Polish
- Russian
- Swedish

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