

User Guide

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BrowseControl

Version 3.3

Internet Restriction Tool



www.BrowseControl.com

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Introduction to BrowseControl

BrowseControl is an easy-to-use Internet management software that can readily be utilized by non-technical users.

BrowseControl can totally deny access to the Internet. Or, you can allow access to specific company/classroom sites through the **Allowed List** feature; all other sites will be restricted. Alternatively users can be allowed access to all sites, except for those sites you list in the **Blocked List**. Users can also be restricted access to e-mail, FTP sites, Instant Messaging, ICQ, Newsgroups, etc

In addition to restricting Internet activity, users can be denied access to unauthorized applications such as MSN, Solitaire etc. This is achieved through the **App Blocker** feature.

BrowseControl also provides administrators to control some of the PC components of those users who are abusing company/school policies. Remotely, from the Console, you can temporarily lock an offensive users PC by **blanking** the **screen** and **blocking** use of the **keyboard** and **mouse**. **CD/Floppy drives/USB** can also be **locked**.

This guide will help you better understand the features of the software and assist you in configuring the tool according to your needs.

What's New in BrowseControl 3.3

Following are the new features in BrowseControl 3.3

Offsite Internet Access Control

Extend the BrowseControl policies to mobile users who are not always connected to the BrowseControl Server. Internet access permissions, Allowed/Blocked lists, AppBlocker settings and any other settings will still apply should the user be working offsite. This is especially beneficial for protecting laptops/systems used by offsite or mobile users.

Enhanced Scheduler

While Internet access is restricted to company authorized sites during work hours, you may want to allow users access to personal sites during non-work hours (e.g. at lunch time). Through the Scheduler assign times when users are allowed access to non-work related sites. These sites are pre-selected by the administrator/manager.

Windows Vista Support

BrowseControl supports the Windows Vista operating system. All three BrowseControl components (console, server and client) are compatible on Vista.

Operator Permissions

Operators (administrators/teachers who have login rights to the BrowseControl Console) can extend the access permissions to both groups and sub groups of computers/users.

Prevent Admin Users from Stopping the Client Service

Users with administrative rights will not be able to terminate the BrowseControl client service from the task manager or the service manager. The BrowseControl client service is protected by the BrowseControl client password defined by the administrator.

Block More File Types

Administrators can now block more files from being downloaded onto their network by simply enabling the option in group settings. The blocked file types now include video, audio and executable files.

Importing Active Directory Users as Operators


Integrate your AD users into BrowseControl as operators with a click of a button.

1.0 Installation of BrowseControl

The installation of BrowseControl involves 3 components:

- i. **Server** - This component includes a Server Service and Database. This allows PCs to be connected to a central location at all times.
- ii. **Console** - This component is the Management Console that allows the Administrator, Manager or Teacher to control internet access to Client PCs. This console can be installed on any compliant Windows system (server or workstation).
- iii. **Client** - This component is to be installed on all PCs that need to be managed by BrowseControl. The client is password protected and runs in stealth mode.

1.1 Installation of the BrowseControl Server

1. Before installing BrowseControl, ensure that the connection to the Internet is in working order.
2. Close all running applications and anti-virus software before starting the installation.
3. The BrowseControl Server can be installed on Windows 2000, XP, 2003, or Windows Vista systems. To install on Windows 2000, XP, 2003, or Vista, please login with local Administrator rights.
4. Begin installing the product by running the cwBC.exe file that you have downloaded. Follow the BrowseControl installation wizard prompts.
5. When prompted to install the BrowseControl features, click on the  button next to BrowseControl Server and select "Entire feature will be installed on local hard drive" (Figure 1). Click the *Next* button to continue.

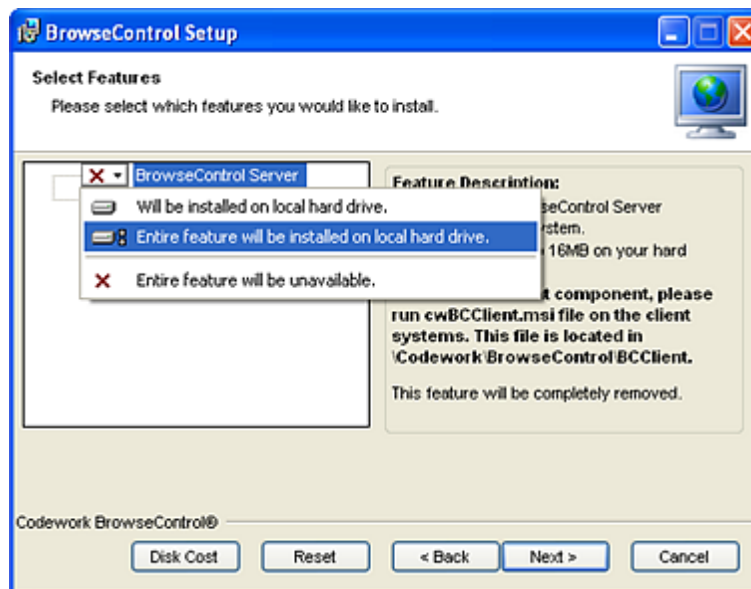


Figure 1. Server Installation

6. On the next screen select the mode in which to operate BrowseControl, i.e. either Computer mode or User mode (Figure 2). When used in Computer mode, BrowseControl will apply settings to each individual computer within the system. In User mode, settings are applied a specific network user. Therefore, a user's BrowseControl settings will remain constant, independent of the computer being used. BrowseControl can only function in one mode at any given time.

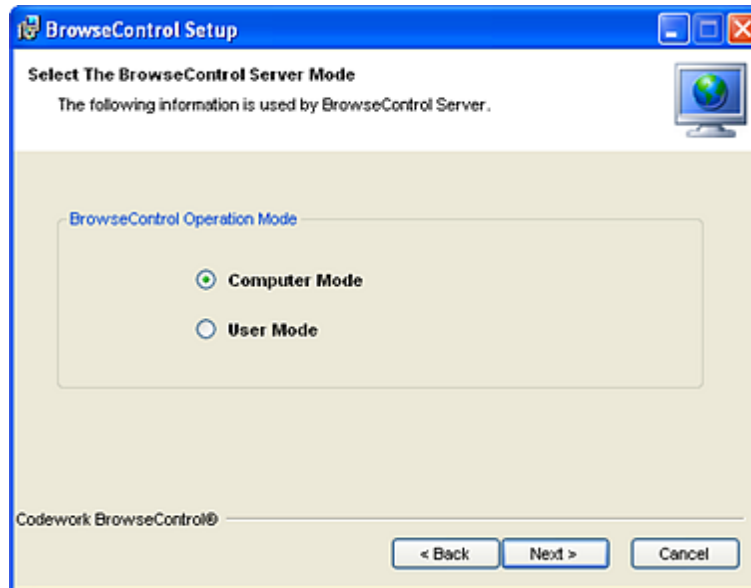



Figure 2. Select Mode

1.2 Installation of BrowseControl Console

NOTE: It is not necessary to install the Server and Console components on the same system. The Console can be installed on any system from where the Client PCs need to be managed. However please ensure that the Console is connected to the Server (i.e. during the Console installation, specify the correct Server IP address or Server computer name).

1. The Console must be installed on a system using Windows 2000 Professional/ Server, Windows XP, Windows 2003 Server, or Windows Vista.
2. Begin installing the Console by running the cwBC.exe file that you downloaded. Follow the BrowseControl installation wizard prompts.
3. When prompted to install the BrowseControl features, click on the  button next to BrowseControl Console and select "Entire feature will be installed on local hard drive". Click on the Next button to continue.
4. On the next screen enter the IP address of the computer where the BC Server is installed. (You may enter the computer name, if the Server PC IP address is dynamic.)

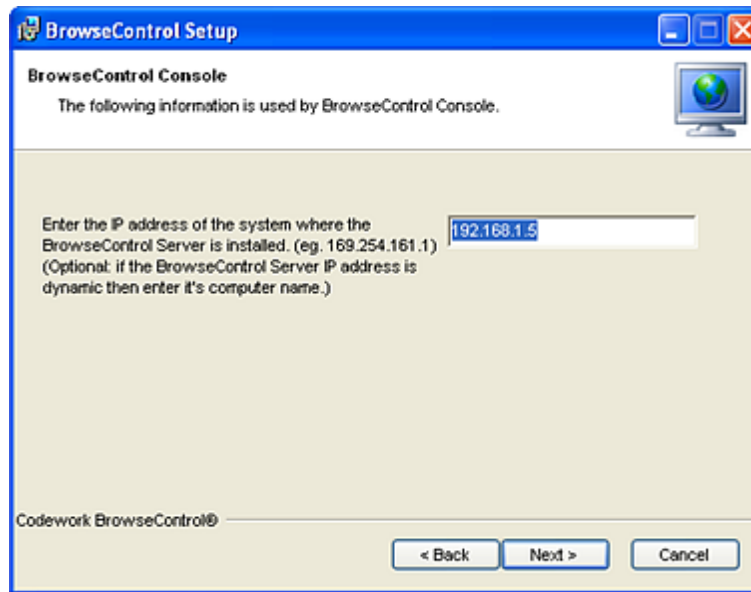


Figure 3. Console User Input

5. A 30 day evaluation key automatically exists with the download. For permanent licenses, you will have received an activation key code for the number of licenses purchased. To activate the software, on the BrowseControl Console menu, select **Help** → **Registration** and follow the wizard prompts. Please fill in the name of the organization and the license key code details exactly as shown in your license email.

1.3 Installation of Server and Console Using Command Line

(NOTE: In Windows Vista if UAC is enabled, the Command Line installation/uninstallation of the Server and Console, using the msi pack, should be done in Run as Administrator Mode.)

Outlined below are the command line switches for facilitating the installation of the Server and the Console components with the cwBC.msi file:

1.3.1 Server Installation

**cwBC.msi ALLUSERS=1 ADDLOCAL=BrowseControl_Server
BCMODE=computer/user /QN /L Server.log**

- cwBC.msi: the msi setup file for the installation of the BrowseControl Server
- ALLUSERS=1: makes the application available to all users
- ADDLOCAL=BrowseControl_Server: Installs the Server component
- BCMODE=computer/user: Selects either system based or user based mode.
- /QN: sets the installer to install in quiet mode
- /L: creates an install log file. In this example, the file is Server.log

1.3.2 Console Installation

**cwBC.msi ALLUSERS=1 ADDLOCAL=BrowseControl_Console
BC_SERVER_IP=169.254.161.1 /QN /L Console.log**

- cwBC.msi: the msi setup file for the installation of the BrowseControl Console
- ALLUSERS=1: makes the application available to all users
- ADDLOCAL=BrowseControl_Console: Installs the Console component
- BC_SERVER_IP: is for the IP address of the BC Server
- /QN: sets the installer to install in quiet mode
- /L: creates an install log file. In this example, the file is Console.log

1.3.3 Server and Console Installation on the same system

**cwBC.msi ALLUSERS=1 ADDLOCAL=BrowseControl_Server,
BrowseControl_Console BCMODE=computer/user /QN /L SerCon.log**

- cwBC.msi: the msi setup file for the installation of the BrowseControl Server and Console
- ALLUSERS=1: makes the application available to all users
- ADDLOCAL=BrowseControl_Server, BrowseControl_Console: installs both the Server and the Console components.
- BC_SERVER_IP: is for the IP address of the Server
- BCMODE=computer/user: Selects either system based or user based mode.
- /QN: sets the installer to install in quiet mode
- /L: creates an install log file. In this example, the file is SerCon.log

1.4 Installation of the BrowseControl Client

- The BrowseControl Client can be installed on Windows 2000, XP, 2003 or Windows Vista. To install on Windows 2000, XP, 2003, or Windows Vista, please login with local Administrator rights.
- Ensure that Windows Installer 2.0 or above is installed. Please refer to Appendix A for the download links.
- There are 3 ways to install the Client:
 - i. The Client installer
 - ii. The Command line script
 - iii. Remotely from the Console using the Remote Install Client(s) utility.

1.4.1 Client Installer

1. Run the file **cwBCCClient.msi** on the Client system and follow the wizard prompts. By default this file is located on the Server PC under **Program Files\Codework\BrowseControl\BCCClient**.
2. When prompted to enter the IP address, enter the IP address of the system where the BrowseControl Server is installed. If the IP address of the Server PC is not static, then enter the computer name of that system. (Optional: You can also use the hostname of the BrowseControl server computer)
3. The default password of the Client component is "Admin". If you wish to change the password at the time of the installation, then please enter the new password in the "new password" and "confirm password" textboxes. Changing the Client password is optional (Figure 4).
4. Click on the *Next* button to continue.

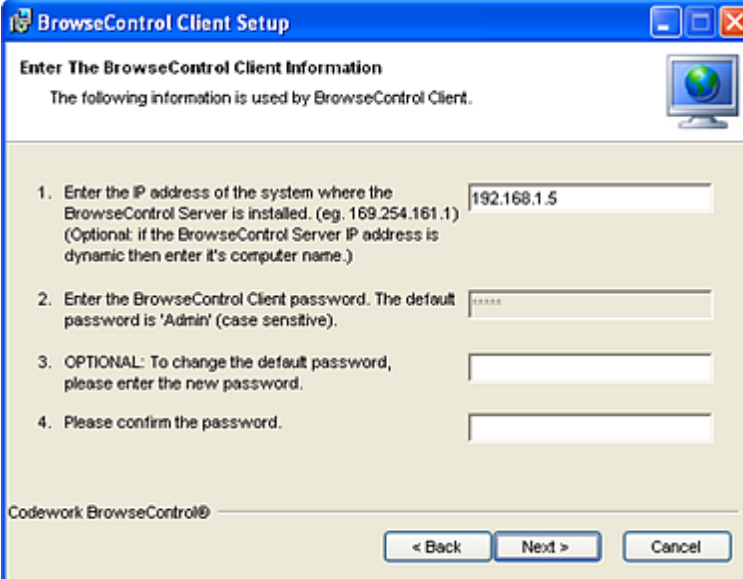


Figure 4. Client Installation

5. To complete the Client installation, please reboot the PC.

1.4.2 Command Line Script

(NOTE: In Windows Vista if UAC is enabled, the Command Line installation/uninstallation of the Client using the msi pack, should be done in Run as Administrator Mode.)

Outlined below are the command line switches for facilitating the installation of the Client component with the cwBCClient.msi file:

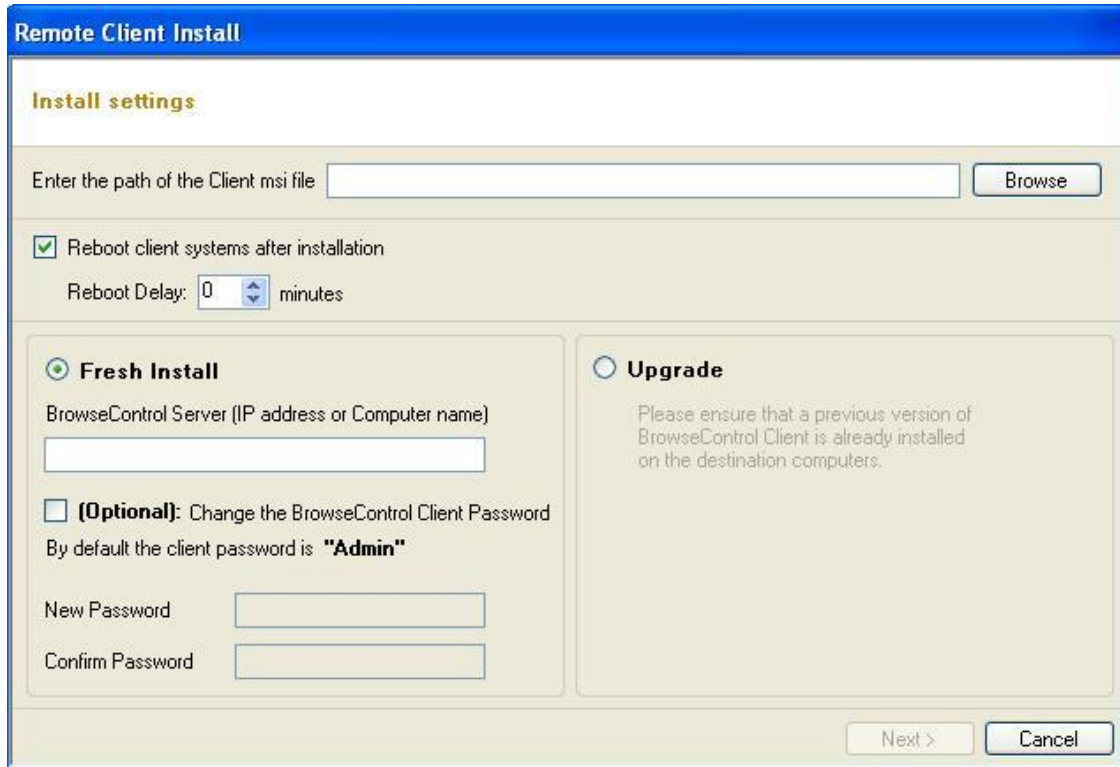
cwBCClient.msi ALLUSERS=1 USERPARAMS="-pnswc Admin PortNumber SERVERIP newpassword confirmpassword" /L bcinstall.log /QN BCREBOOT=1

- cwBCClient.msi: the msi setup file for the installation of the BrowseControl Client
- ALLUSERS=1: makes the application available to all users
- USERPARAMS= will run the BC Client install based on the chosen BrowseControl parameters:
 - pnswc Admin Port Number SERVER IP newpassword cofirmpassword
 - p – password, default password is Admin
 - n – port number, in the above example the port number is 8999 (optional parameter)
 - s – represents the Server IP address (system where the BrowseControl Console is installed) (optional parameter)
 - w – represents the new password (optional parameter)
 - c – represents the confirm password (optional parameter)
- /L: creates an install log file. In this example, the file is bcinstall.log
- /QN: sets the installer to install in quiet mode.
- BCREBOOT=1: will force a reboot of the PC after the installation.

1.4.3 Remote Client Installation

Note: On Vista Client PCs, please disable UAC before running the remote install.

1. BrowseControl Client can be remotely installed from the Console using the "Remote Install Client(s)" utility. On the menu bar click on **Advanced → Remote Install Client(s)**
2. Enter/Browse the path of the Client **msi file** on the Server computer (Figure 5).
3. Enter the Server name/IP address and the Client password. In case the Client password is not mentioned then the password is taken as the default '**Admin**'. Click *Next*.
4. Select the PC's on the network where the Clients are to be installed. Click *Next*
5. Enter the Username and Password of an Administrator account of the PC where the Client has to be installed. Click *Next*.
6. The Client component will be installed on the selected PC.



Remote Client Install

Install settings

Enter the path of the Client msi file

☒ Reboot client systems after installation

Reboot Delay: minutes

☒ **Fresh Install**

BrowseControl Server (IP address or Computer name)

☐ **(Optional):** Change the BrowseControl Client Password

By default the client password is **"Admin"**

New Password

Confirm Password

☐ **Upgrade**

Please ensure that a previous version of BrowseControl Client is already installed on the destination computers.

Figure 5. Remote Client Installation

1.4.4 Troubleshooting the Client Connection

- Use the Redirect Client Utility to force the Clients to get connected to the Server.
- Ensure that the Client is installed with admin login rights
- Make sure there are no firewall and/or virus scan software intercepting with the Client and Server
- If the Firewall is enabled, then add the following ports to the exceptions list: 8999, 8998 and 3050

Use IP address instead of Computer Name to connect to the Console

Run the following script on the run command of the Client PC: **cwClient.exe -pv Admin** (please note that Admin is case sensitive). If the password was changed during the installation of the Client, then please substitute it in place of "Admin".

This will bring up the Client interface. On the interface, click on the **Connection** tab and modify the **Server** name entry to the correct IP address of the BC Server computer.

Note: On **Vista** Clients, run the command prompt as Administrator and enter the following script: **cwBCAgent.exe -pv Admin** (please note that Admin

is case sensitive). If the password was changed during the installation of the Client, then please substitute it in place of "Admin".

This will bring up the Client interface. On the interface, click on the Edit button to modify the **Server** name/IP address

- Ping the Server from the Client
- Make sure the Client service is running
- Ensure that port 8999, 8998 and 3050 is not used by any other application
- Reboot Client

Windows XP firewall configuration

For Windows XP SP2 and above, or other third party firewalls, it is required that the following ports be open:

- 3050
- 8999
- 8998

To open these ports access the **Control Panel → Windows Firewall**, select the **Exceptions** tab, click on the *Add Port* button and add the above ports.

1.5 Standalone Installation (1 Machine)

A standalone BrowseControl installation involves the installation of the SERVER, CONSOLE and CLIENT components on the same system.

1. Install the Server component. For detailed instructions please refer to [Section 1.1](#).
2. Install the Console component. For detailed instructions please refer to [Section 1.2](#).
3. Install the Client component on the same PC by running the **cwBCClient.msi** file. Please refer to [Section 1.4.1](#) for further details. When prompted to enter the IP address of the BrowseControl Console, please enter LOOPBACK. This installs the Client on the same PC as the Console.
4. Reboot the PC after the installation has completed. When you launch the BrowseControl Console, a Blue icon representing your PC (or green icon representing your User), should show up on the Console window, after approximately 1 minute.

2.0 BrowseControl Server

The BrowseControl Server runs as a service in the background. The Console component then connects to the Server. It is not required to install both the Server and Console components on the same system; however it is necessary that the Console be connected to the Server.

2.1 BrowseControl Server Manager

- The BrowseControl Server Manager can be accessed by clicking on the **Start button** → **Programs** → **Codework** → **BrowseControl** → **BrowseControl Server Manager**.
- The Server Manager provides the facility to make changes to the Server settings. The port settings for the Client and console can also be controlled through the Server Manager (Figure 6).

NOTE: After changing the Client or Console ports through the Server Manager, the corresponding changes must be made at the Console and the Client side as well (see [Section 3.11.5](#) and [Section 4.1](#)).

- Server Manager can also be used to select the mode (**Computer** based or **User** based) in which to operate the BrowseControl Console. When changing modes, all settings for the original mode will be saved and will be available if the mode is switched back.

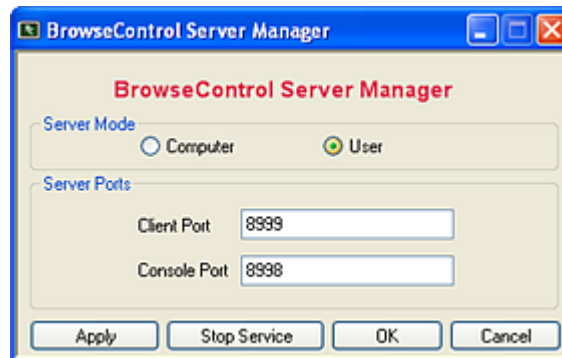


Figure 6. BrowseControl Server Manager

3.0 BrowseControl Console

Start the BrowseControl Console from the Start Menu by navigating to: **Start → Programs → Codework → BrowseControl → BrowseControl Console.**

All features of BrowseControl are applicable to both Computer and User modes, unless otherwise stated.

3.1 Overview of the BrowseControl Console

- The BrowseControl Console consists of two panels. The panel on the left will display the Client PCs, while the right hand panel displays the PC information.
- Client PCs running the BrowseControl Client will appear on the Console
 - NOTE:** This may take a few minutes; usually no longer than the refresh time, which by default is 1 minute
- Once the Client is connected to the Console, the Client will be represented as a blue computer icon, along with its computer name (Figure 7).
- If the Client PC is not running or if the BrowseControl Client Service is not running, then the Client icons will appear gray. For more information about troubleshooting the Client connection please refer to [Section 1.4.4.](#)

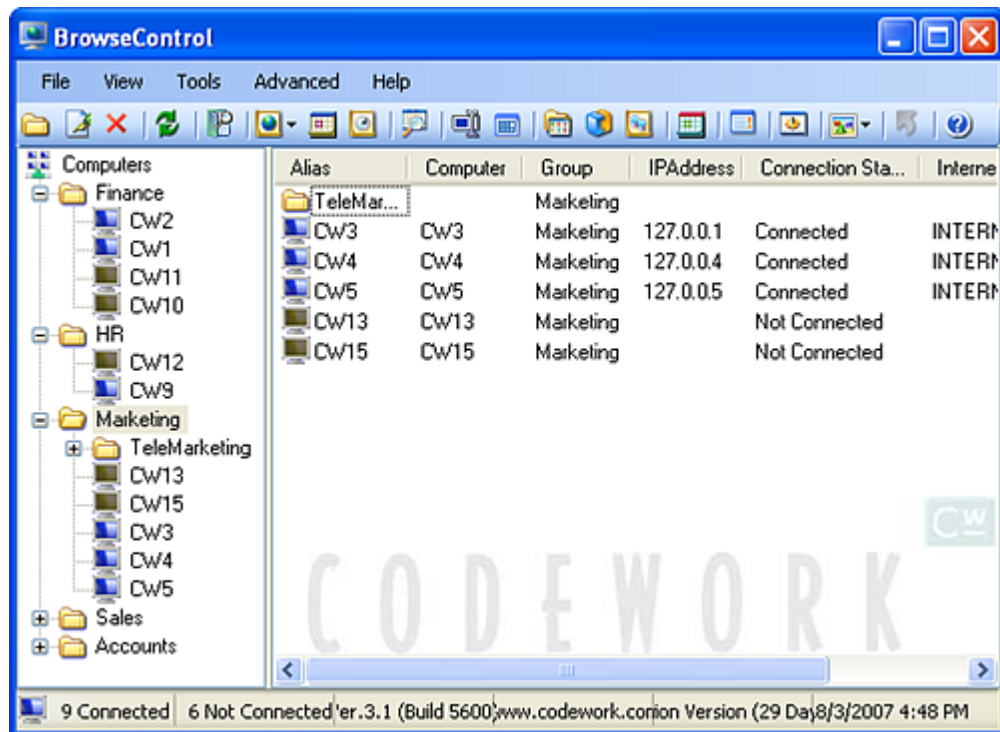


Figure 7. Computer Based BrowseControl Console

- On the **User based** mode of BrowseControl, a green user icon will be displayed on the Console, every time a user is logged on to a PC with the BrowseControl Client installed (Figure 8).

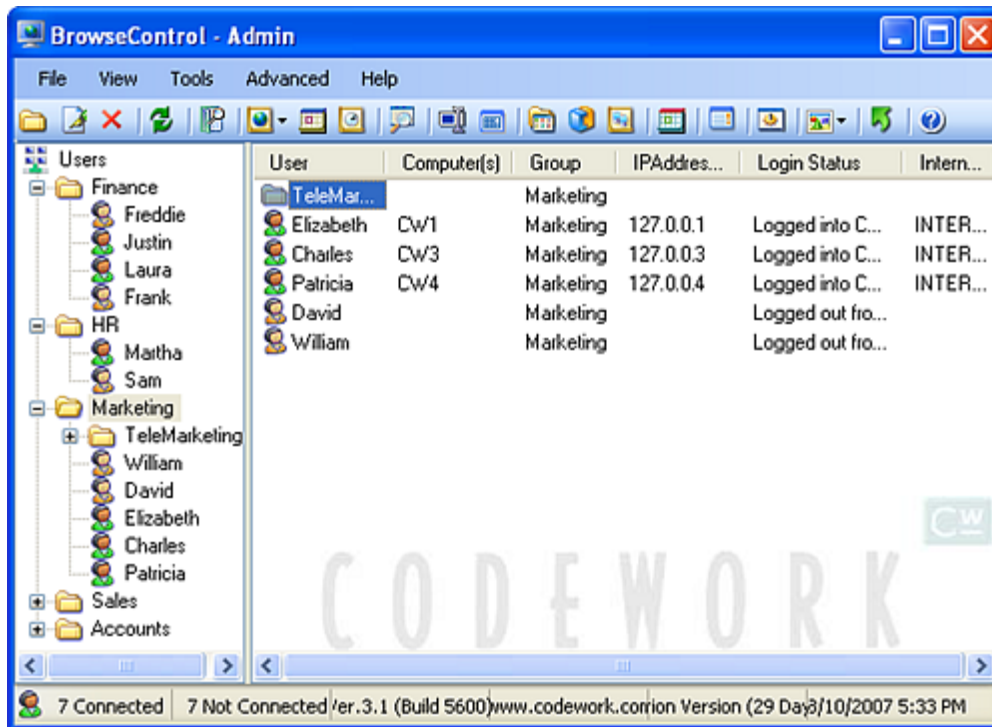
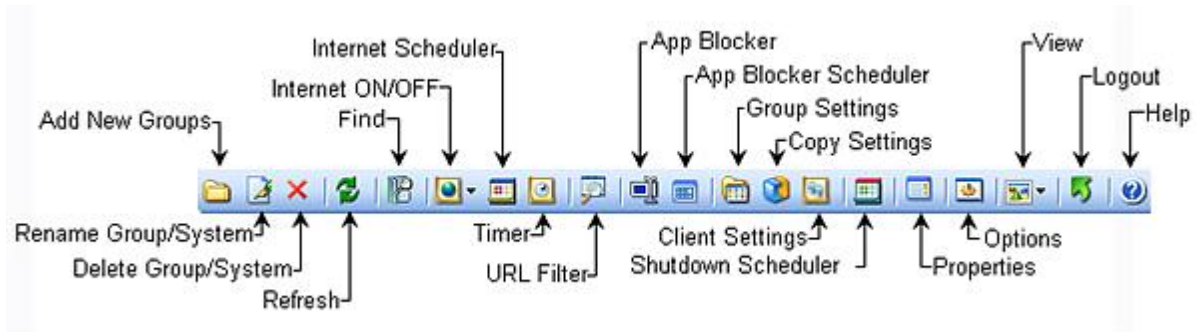


Figure 8. User Based BrowseControl Console

- The following icons on the toolbar can be referred to, in order to carry out some of the BrowseControl administrative tasks



3.2 Client and Group Management

The BrowseControl Console enables the administrator to create groups to more easily manage computer/user settings.

3.2.1 Creating a New Group


1. On the menu select **File → Add New Group**. Or right click on the empty space of the BrowseControl GUI and select **Add New Group**.
2. The tool bar button  can also be used for creating a new user group.
3. The default name for the newly created user group is **NewGroup(X)**. The new group can be renamed immediately or later as described in [Section 3.2.3](#)




Figure 9. Creating a new group

3.2.2 Adding computers/users to Groups

- Client PCs connect to the BrowseControl Server automatically when the Client computer logs on.
- By default Clients PCs/users are grouped under the Computers/Users group (See [Section 3.11](#) for information on how to change this default setting).
- Client PCs/users can be easily moved from one group to another by dragging and dropping.

3.2.3 Renaming a Group


1. A group can be renamed by selecting **File → Rename** on the Menu, or by right clicking on the intended group/system and selecting **Properties**.
2. Enter the new name in the group text box.
3. Alternatively you can rename a group by clicking on the **Rename Group** icon  on the Tool Bar.

3.2.4 Renaming PCs within a Group

1. PCs can also be renamed within a Group by right clicking on the PC and choosing Properties.
2. Edit the PC Name in the Alias text box. The Alias name refers to the PC name in the BrowseControl Console and can be changed at any point.
3. Changing the name in the Console does not change the actual PC name. This helps if you change computer names frequently and if you want to keep track of the various machines.

NOTE: It is not possible to rename the users in the User based BrowseControl as the original login names given at the time of creating the user accounts are taken by default.

3.2.5 Deleting a Group/System/Users

1. A group/system/user can be deleted by 3 different methods
 - i. Selecting **File → Delete** on the Menu
 - ii. Right clicking on the intended group/system and selecting *Delete*.
 - iii. By clicking on the Delete icon  on the tool bar.
2. Groups can only be deleted if there are no Client PCs/Users within the specific group/subgroup.

3.3 Controlling Internet Access of Clients

- BrowseControl provides three different methods for controlling a client's Internet access. They are:
 - i. Internet ON/OFF
 - ii. Scheduler
 - iii. Timer
- All three settings can be applied at a group level. The Internet ON/OFF feature and the Timer can also be applied to an individual computer/user.
- Only one mechanism can be controlling a group/client at a single time. To quickly view the current Internet settings of a group/client, right click on its icon in the left side pane in the BrowseControl console. A check mark will appear next to the mechanism currently controlling the group/clients Internet access.
- The Client settings get priority over its Group settings. For example, if the Internet setting for a Group is set to OFF, you can temporarily override this setting for a specific Client PC/User and set the Internet to ON for that PC/User. The Client settings will take priority over the Group settings.
- To reassign the Group settings to the Client, right click on the Client and select Inherit Group Internet Settings.

- To force all clients in a group to use the group settings, right click on the group and select Apply Internet Settings to Clients. These settings will be applied only to the computers/users under that group and not to the ones under any subgroups.

3.3.1 Control Internet Access of Group/Client

The BrowseControl Console allows for direct control of Internet access privileges for a group of clients or an individual computer/user. If set to the ON mode, clients will have immediate access to the Internet. If set to OFF, all Internet activity will cease immediately.

Group

- To set the Internet access of a group of PCs/Users, right click on the specific Group icon, select Internet → ON/OFF.
- Alternatively, you may set the connection by selecting the Tools menu, followed by Internet → ON/OFF.
- All Client PCs/Users within the Group will acquire the group's new Internet permissions. PCs/Users in subgroups will not acquire the new Internet permissions.

Client

- To set the Internet access of a PC/User, right click on the specific PC/User icon on the BrowseControl Console and select **Internet → ON/OFF** (Figure 10).
- Alternatively, you may set the connection by selecting the Tools menu, followed by Internet → ON/OFF.

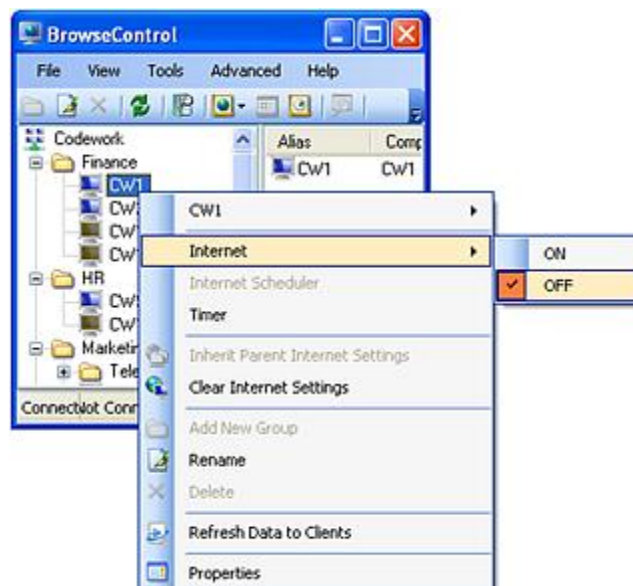


Figure 10. Setting the Internet Off

3.3.2 Scheduling Internet Access

Schedules can be created to allow Internet access at specific times. This is a Group specific setting. Groups can be assigned two levels of Internet access:

1. Full access to the web, except for those URLs listed in the Blocked list.
2. Allow access to authorized sites only. For example, during lunch time you may want to allow users access to only specific sites such as facebook.com and myspace.com. This can be achieved by specifying the URLs in the “Custom Allowed URLs” option.

To assign a Schedule:

1. Right click on the Group again and select **Internet Scheduler**, or on the menu bar select **Tools > Internet Scheduler**, or on the toolbar click on the Internet Scheduler icon.
2. Click on the **Add Schedule** button to create a new schedule (Figure 11).
3. Select the Schedule Start and Stop Times
4. Select the Schedule type:
 - Internet ON – for full access (except for those URLs listed in the Blocked list.)
 - Custom Allowed List ON – Internet access restricted to sites listed in the “Custom Allowed List”
5. Select the Schedule Frequency; a) Daily, b) Weekly or c) Monthly
6. Click on the **Add Schedule** button to add the defined time schedule. Up to 20 different start/stop time schedules can be set per Group.
7. If a schedule type of “**Custom Allowed List ON**” was selected, then click on the Custom Allowed List hyperlink listed under the Schedule Type column to add the authorized URLs.

Up to 50 URLs can be added to the “Custom Allowed List”.
8. To apply the schedule click on the **Apply** button and then the **Enable Scheduler** button.
9. If you selected **Internet On**, then the PC/user will have full Internet access until the stop time is reached.
10. If you selected **Custom Allowed list**, then the PC/user will have access to the original Allowed list and, on top of that, they will have access to the websites on the Custom Allowed list. Once the stop time is reached, the PC/user will only have access to the original Allowed list.

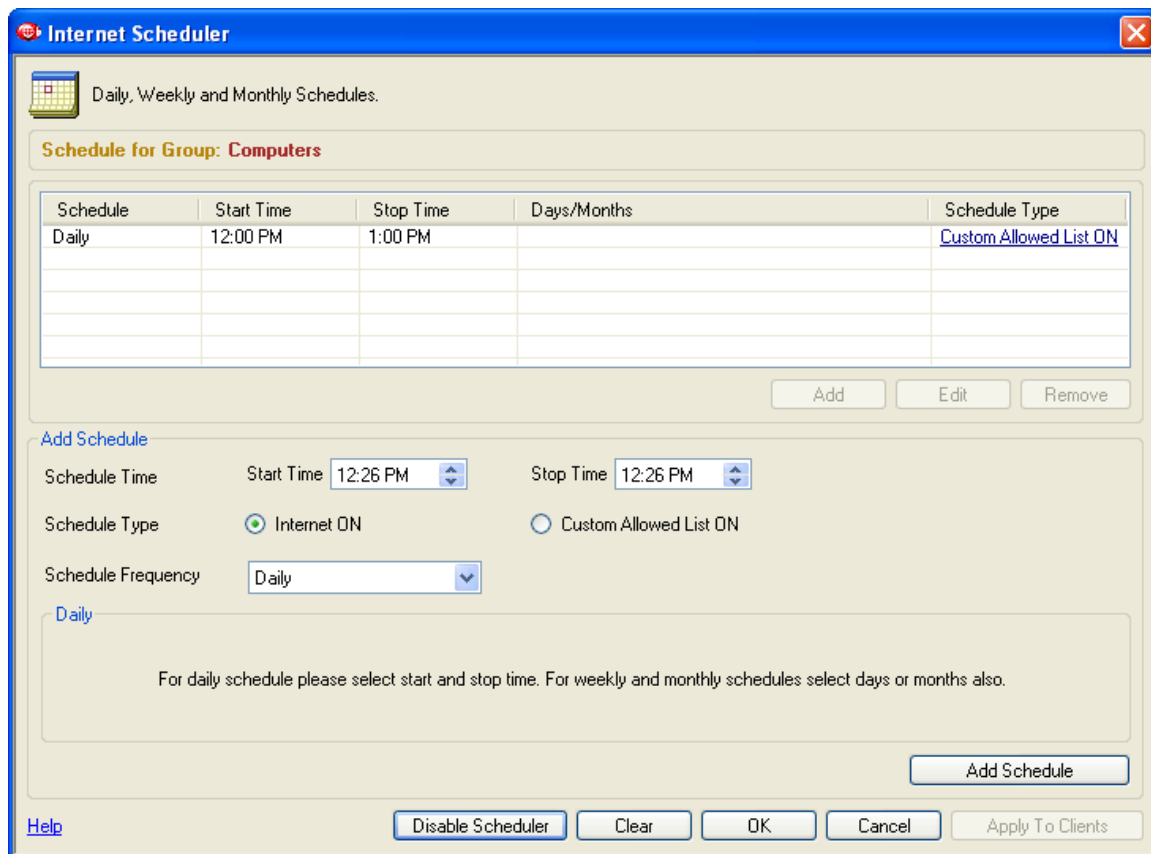



Figure 11. Internet Scheduler

3.3.3 Timer Settings for Clients and Groups

The Timer feature allows you to assign Internet ON or OFF permissions on an ad hoc basis. For example, if a Client PC/User is set to Internet ON at a specific time and you would like to temporarily block their Internet access, the Timer feature will allow you to set Internet to OFF for a specific amount of time. Once the timer has expired, the Internet settings will return to the previous Internet mode (ON/OFF or Schedule). The timer can be set for a whole group or an individual client.

1. To enable the Timer, right click on the selected PC/User or Group and select **Timer**, or on the menu bar select **Tools → Timer**, or on the toolbar click on the Timer icon .
2. The Timer screen will be displayed (Figure 12); if the Internet status is ON then you can choose OFF Timer or vice versa, and set the timer period.
3. The format of the timer is HH:MM

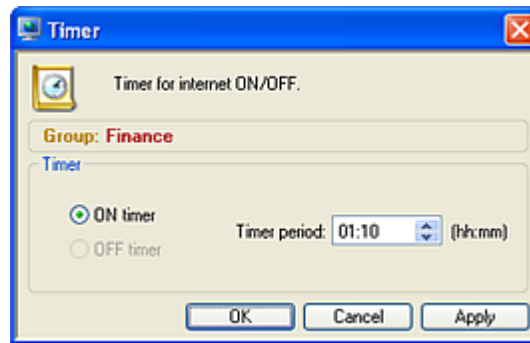


Figure 12. Timer


4. You can only use the Scheduler or the Timer one at a time. When in use, the timer will temporarily override the Scheduler settings. Once the timer has expired, the Scheduler will regain of the Internet settings for that group/client.

3.4 URL Filtering

URL filtering allows for the filtering of HTTP sites. URL filtering can only be applied at a group level.


3.4.1 Allowed List

BrowseControl has the functionality to allow access to certain web sites when the Internet connection has been turned OFF. This feature, referred to as **Allowed List**, is available to Groups only. That is, Allowed List is Group specific and cannot be applied to individual PCs/Users. Since this functionality is group specific, you can have certain URLs available to Clients within one group and deny access to Clients in other groups. Outlined below are the steps for applying the Allowed List.

1. Select the group for which you want to apply the Allowed list feature.
2. On the tool bar click on the URL Filter icon  or right click on the group and select **URL filter**. The URL Filter window will be presented (Figure 13).
3. The desired URL must first be added to the URL list on the left side of the screen. To do this, enter the URL addresses in the **Enter URL** box and click on the **Add** button.

NOTE: When entering URL addresses **do not enter "http://"**, just add the www address. It is not necessary to add the www prefix.

4. For example if you would like to access www.travel.yahoo.com then enter travel.yahoo.com into the list of URLs. If you want to allow access to sites starting only with yahoo.com then add "www.yahoo.com" in the list. To give access to the entire domain enter **yahoo**
5. The list of URLs you entered in Step 3 will be displayed on the left pane (Figure 13). Click the "Allowed list" tab. Select all the URLs you wish to make available to the Client

PCs, click on the  button to move the entries to the right pane of the Allowed List.

- Alternatively, you can import a list of URLs from a text file by clicking on the Import button. Each URL should be listed on a new line in the file.

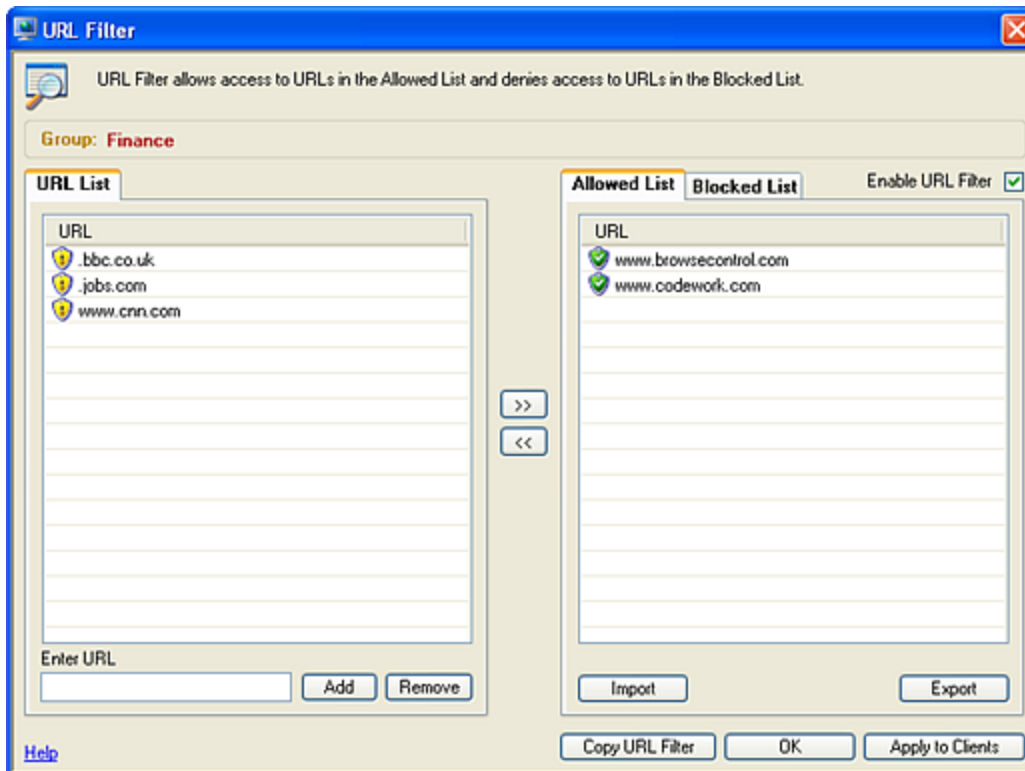



Figure 13. Allowed List

3.4.2 Blocked List

BrowseControl has the functionality to prevent access to certain web sites when the Internet connection has been turned ON. This feature, referred to as the Blocked List, is available to Groups only. That is, Blocked List is Group specific and cannot be applied to individual PCs/Users. Outlined below are the steps for applying a Blocked List:

- Select the group for which you want to apply the Blocked list feature.
- The list of URLs you entered (as described in the previous section) will be displayed on the left pane (Figure 14). Click on the Blocked List tab. Select all the URLs you wish to deny access to the Client PCs. Click on the  button to move the URL entries to the Blocked List pane. Alternatively, you can import a list of URLs from a text file by clicking on the Import button.
- Select *Apply to Client* to apply current settings to the group's clients. Select *OK* when finished modifying the URL filter.

4. Removing a URL from the URL list will remove it for all the Groups and the site will no longer be filtered.

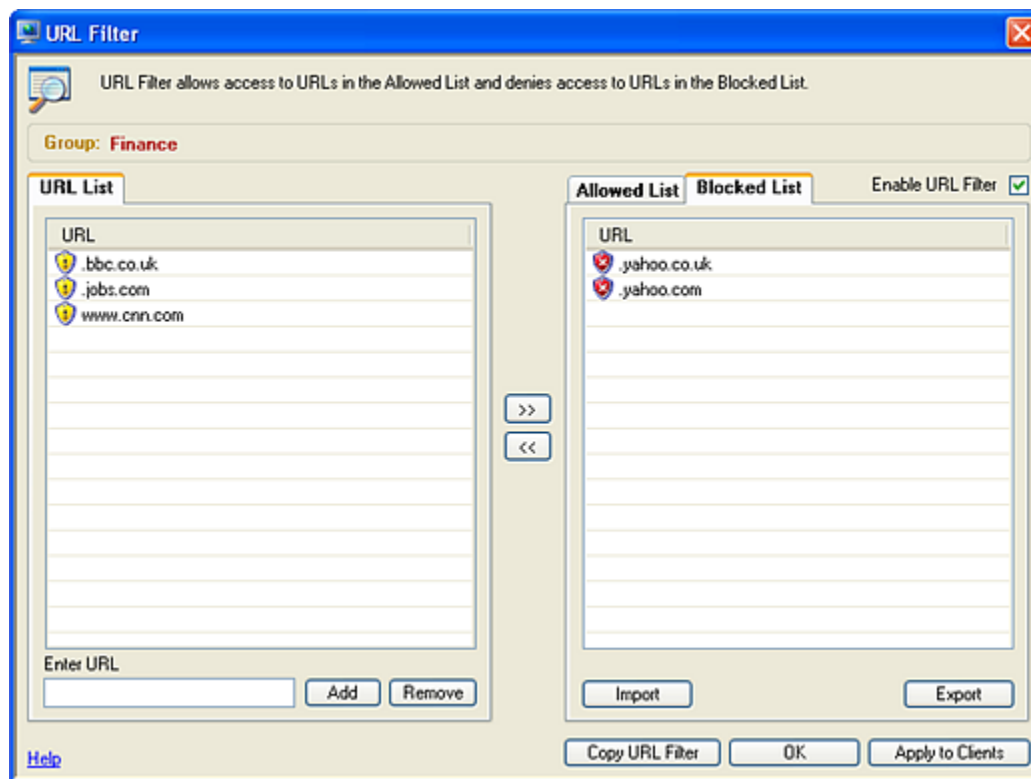


Figure 14. Blocked List


3.4.3 Copy URL Filter Settings to Other Groups

The URL filter settings of a group can be copied to one or more groups as follows:

1. Click on the *Copy URL Filter* button on the URL Filter screen.
2. Select the source group, settings to copy and the destination groups. Click on the *Copy* button. (Figure 26)

3.4.4 Customize Message When a Blocked URL is accessed

When a user tries to access an unauthorized URL, a customized message can be displayed to notify the user that access is denied to this URL. The message can be modified as follows:

1. Select the specific group then click on  on the tool bar, or right click on the specific group and select Group Settings.
2. On the Group Settings screen, click on the General tab.
3. Add your message to the URL Blocked List Message textbox.
4. There are several formats available for displaying the warning message (Figure 18):

- Pop-Up Window
- Display in Browser (IE only)
- Message Box

Alternatively, instead of displaying the warning message, users can be directed to a specific URL page. Select the Display Web Page button and enter the URL in the corresponding textbox. (**Note:** this URL should also be included in the **Allowed List**.)

3.5 Offsite Internet Access Control

Ensure that your organization's Internet permission policies are enforced on offsite systems as well. Allowed/Blocked lists, AppBlocker settings and any other BrowseControl settings can be configured to extend to laptops/workstations used by offsite or mobile users. A local database is installed on the client workstations to store the Allowed/Blocked list.

To enable Offsite Internet Access Control (this option is enabled by default):

1. Right click on the folder that your computers are under and select **Client Settings**
2. Click on **Enable Internet access** and select Apply the existing allowed list and blocked list.

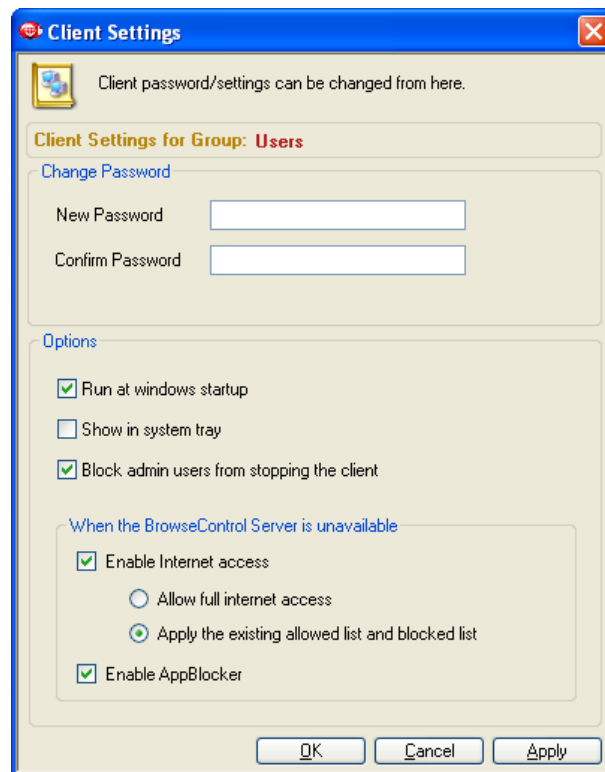


Figure 15. Client Settings

3.6 Block PCs/Users from Downloading Files

BrowseControl has the functionality to block certain file types from being downloaded using the Internet. Furthermore, it provides the functionality to block all downloads from a specific set of ports. This is a group specific feature.

3.6.1 Blocking Specific File Type Downloads

1. To prevent users in a group from downloading unwanted files from the Internet, right-click on the desired group and select **URL Filter**
2. Add the desired file extension to be blocked to the **Blocked List**. This will prevent files with the specified extension from being downloaded through the HTTP port.
3. An alternative, more convenient method to blocking the most troublesome file types is provided below.
 - i. Right-click on a group, select **Group Settings** and click on the **Filter Options** tab.
 - ii. Select the block downloads, block video downloads and block audio downloads checkbox. This allows the blocking of certain file types mentioned next to the checkbox (Figure 15).

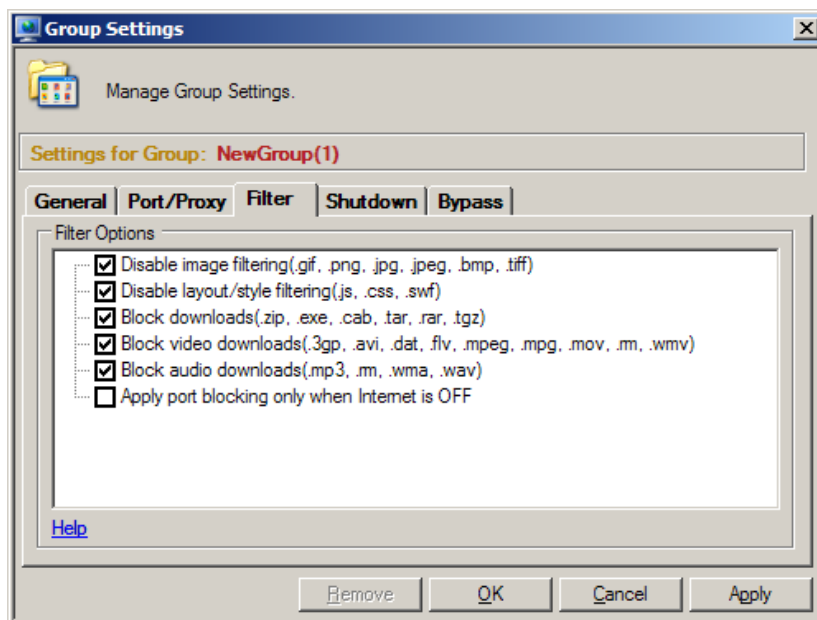


Figure 16. Block Downloads

3.6.2 Disable Layout/Style Filtering

Enabling this option will allow websites that use CSS and JavaScript to style the content of their site to display properly.


3.6.3 Blocking File Download from a Specific Port

1. Right clicking on a specific group.
2. Select Group Settings and click on the **Port/Proxy Settings** tab. Add the port and port type that you would like to block.
3. The group will no longer be able to download any files from this port.

3.7 Application Blocker

Application Blocking will prevent a user from activating specific applications that the administrator has blocked. This feature is Group specific. As a result you can block certain applications to Clients/Users within one group, and specify a different blocked list for other groups

3.7.1 Blocking Applications for a Group

1. Select the group for which you want to apply the App Blocker feature.
2. On the tool bar click on the App Blocker icon  or right click on a specific group and select App Blocker.
3. Before an application can be blocked, it must be added to the Application List. Enter the Original Filename of the application to be blocked, in the **Application Name** textbox. A description can also be entered for convenience.

NOTE: To manually locate the Original Filename of an application, right click on the exe file in **Windows Explorer** and select **Properties**. Select the **Version** tab and click on **Original Filename** in the **Item Name box** (Figure 16). The original filename is located in the adjacent Value box. The figure below gives an example for locating the Original Filename of Solitaire. Not all Original File names have the .exe suffix extension. e.g. FreeCell has no extension so just enter "FreeCell".

4. Alternatively, click on the Browse button and locate the exe of the application to be blocked. The Original Filename of the application will automatically be populated in the Application List. **In case the application does not have an Original Filename the application will automatically populate the Application list with the File's checksum.**

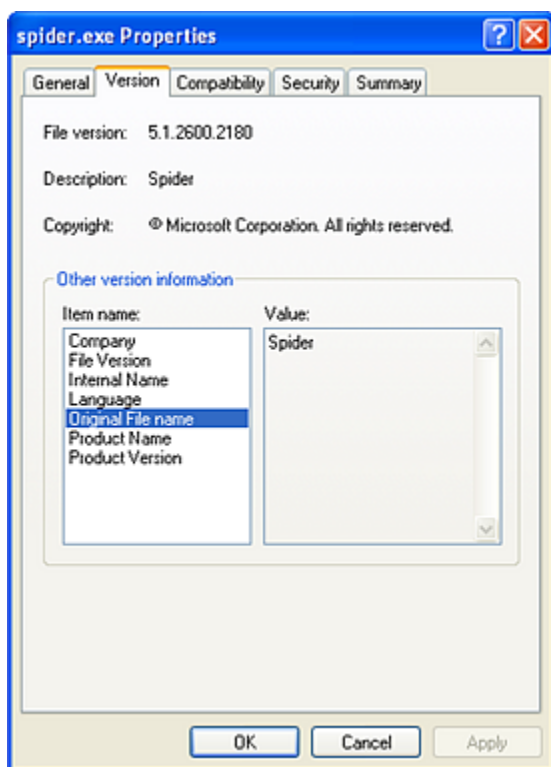



Figure 17. Getting the original filename

5. To add applications to the App Blocker list, select the applications to be blocked from the list of applications on the left pane (Figure 17) and move them to the right pane by clicking on  button. These applications will now be blocked for the PCs/Users under the specific Group. The App Blocker list can accommodate up to 200 applications.

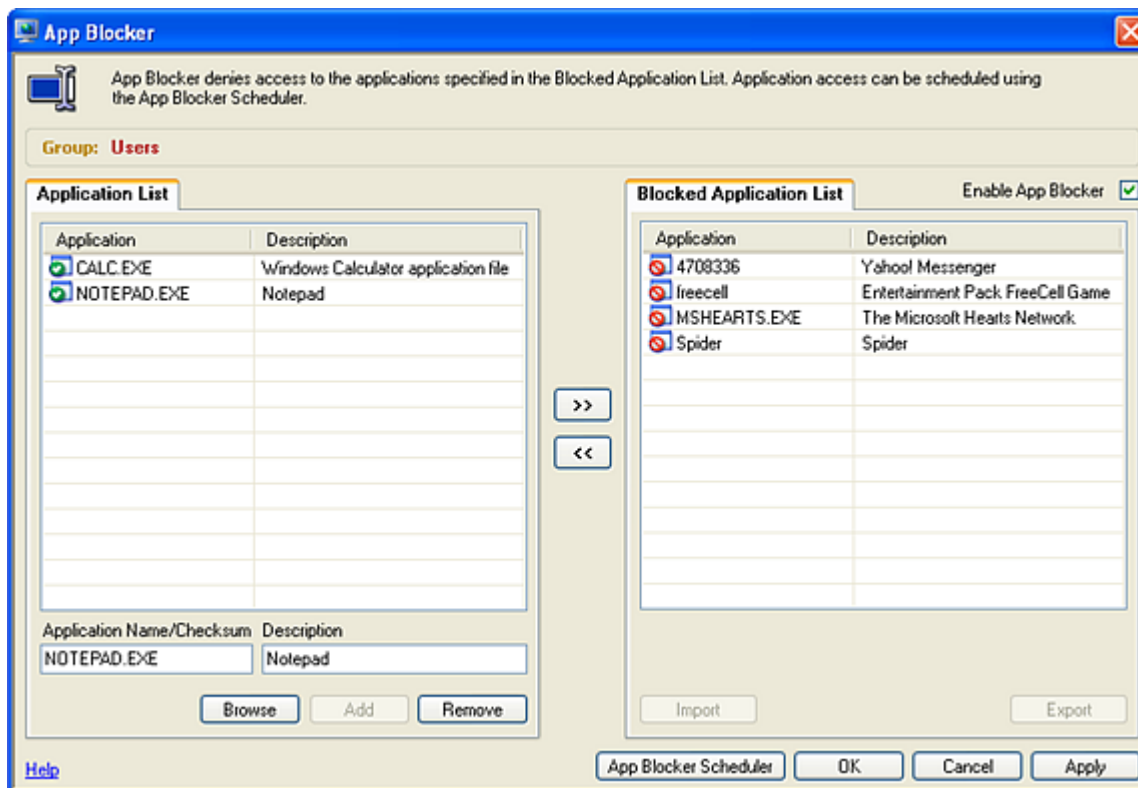



Figure 18 Application Blocker

6. When a user tries to access a blocked application, a customized message can be presented to notify the user that access is denied to this application. The message can be changed by selecting the specific group. Click on  on the tool bar or right click on the desired group and select **Group Settings**. Select the **General** tab and enter your message in the **App Blocker Message** textbox (Figure 18). Click on the *Apply* button to save the message. One can use up to 200 characters for both App Blocker and URL Filter customized messages.

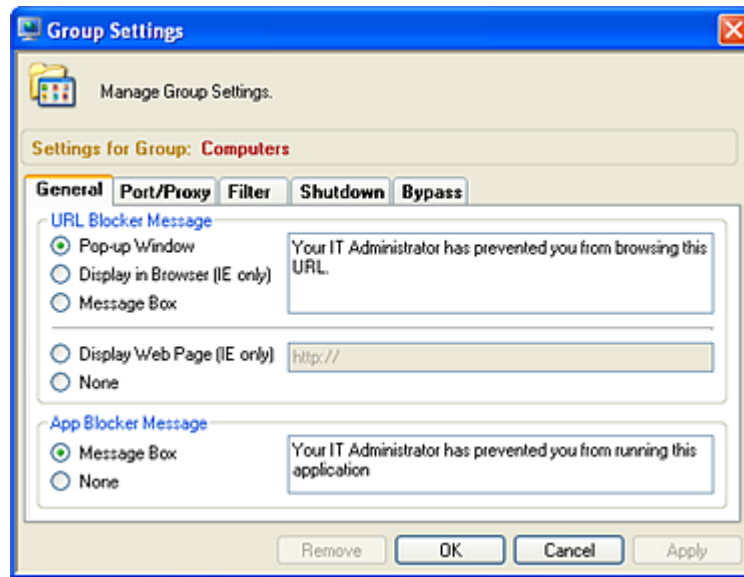



Figure 19. Application Blocker Message

3.7.2 Scheduler for Application Blocker

Schedules can be created to allow access to the blocked applications at specific times. This is a Group specific setting. To assign a schedule:

1. Right click on the desired group and select **App Blocker Scheduler**, or on the menu bar select **Tools → App Blocker Scheduler**, or on the toolbar click on the **App Blocker Scheduler** icon .
1. To add a new time period where the group will be permitted access to the Internet first select *Add*.
2. Create a schedule by selecting the schedule type and the start and end times. Weekly or monthly schedules for application access can be created (Figure 19).
3. Click on the *Add Schedule* button to add the defined time schedule. Up to 20 different start/stop time schedules can be set per Group.
4. To apply the schedule click on the *Enable Scheduler* button.
5. At the scheduled time, the users will be able to access the blocked applications. Access to the blocked applications will be terminated immediately, when the stop time is reached.

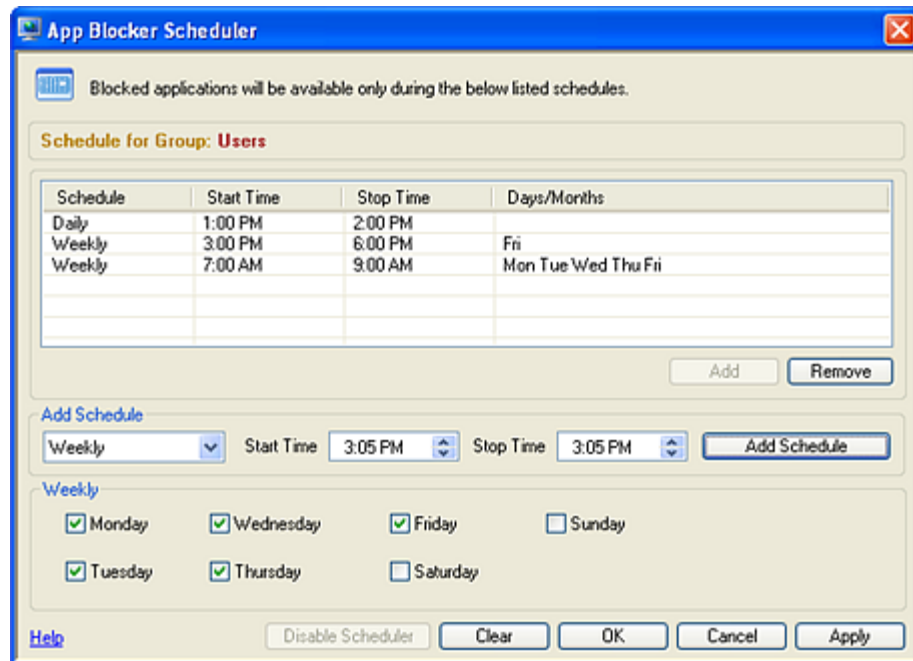


Figure 20. Application Blocker Scheduler

3.8 Port/Proxy Settings

Through the Port/Proxy settings you can define which ports are to be blocked. The Port/Proxy settings are group specific (Figure 20).

3.8.1 Port Settings

Port Settings for all newly added PCs

1. To establish port settings for all newly added groups/PCs/Users right click on the root group on the left hand pane of the BrowseControl Console
2. Select **Group Settings** and click on the **Port/Proxy Settings** to define the port settings.
3. As a Group/PC is added to the Console it inherits the port settings of the Root Group

Port Settings at the Group Level

1. To define port settings at the group level, right click on the specific group icon on the left hand pane of the BrowseControl Console
2. Select **Group Settings** and click on the **Port/Proxy Settings** to define the port settings.

Two types of port filters can be set:

- i. **HTTP filter:** This filter type is used to filter only the HTTP protocol. If HTTP filter is selected for a particular port, all the HTTP communication through that port is filtered according to the URL settings for the group.
- ii. **Blocked filter:** This filter type will block all the communication through the specific port.

3.8.2 Proxy Settings

If you are using a Proxy Server to access the Internet, then the BrowseControl Port/Proxy settings may need to be configured as follows:

1. On the BrowseControl Console, right click on the Computers icon. **Select Group Settings → Port/Proxy settings.**
2. Add your proxy server port to the Port No textbox. Set the Port Type to “HTTP” and assign a Filter Type of “HTTP Filter”. Click on the *Add* button.

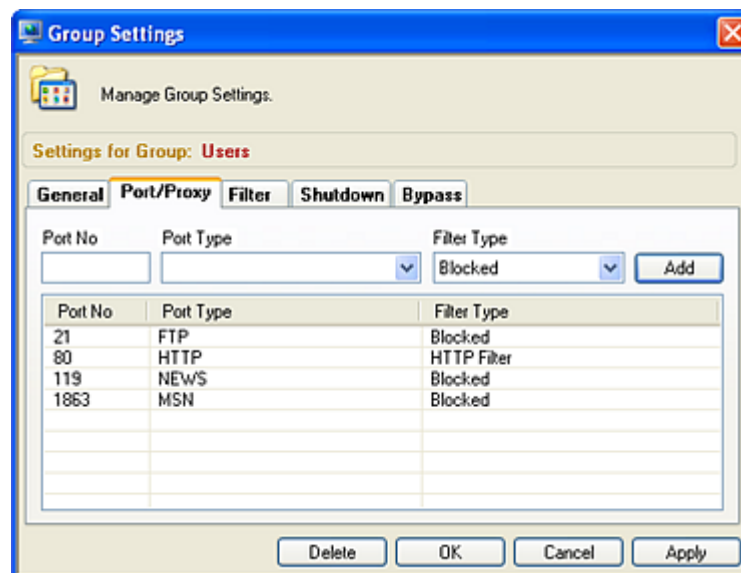


Figure 21. Port and Proxy Settings

3.9 Shutdown Options

Additional settings are available for the remote shutdown of PCs from the console. The settings include displaying a notification message to users and setting a time (in seconds) before the PCs shutdown.

Click on a group and select **Group Settings > Shutdown**. In the Shutdown Options window select the time to be allowed to the clients before the shutdown and customize the message in the Shutdown Message textbox.

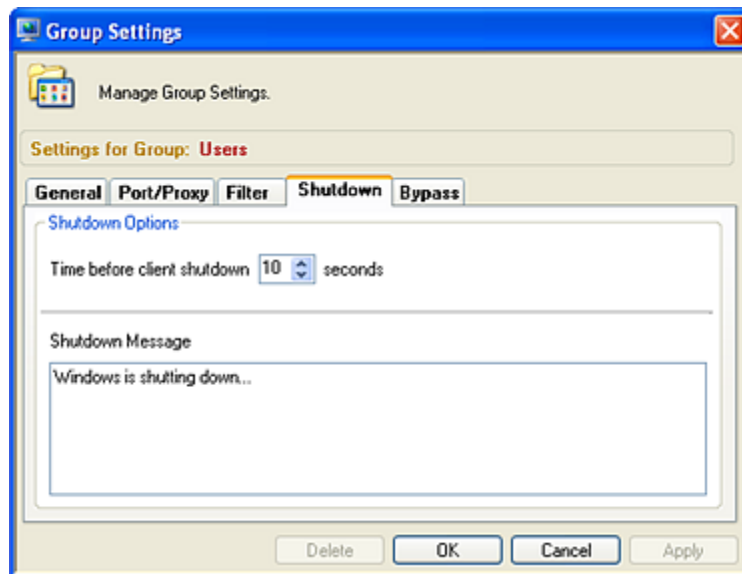


Figure 22. Shutdown Options


3.10 Bypass Applications

Legitimate applications such as FlexLM that require Internet access can now circumvent BrowseControl through the Bypass utility.


Applications added to this list will be unaffected by BrowseControl's Internet ON/OFF settings. This is useful for legitimate applications that require access over HTTP. They can be added as follows:

- On the BrowseControl Console, right click on the appropriate group. Select Group Settings → Bypass.
- Under the "Application List," enter the Original Filename of the application to be bypassed, in the "Application Name" textbox. Alternatively, click on the Browse button and locate the exe of the application to be blocked. The Original Filename of the application will automatically be populated in the list. **In case the application does not have an Original Filename the application will automatically populate the Application list with the File's Checksum value.**

3.11 Viewing the properties of a Group/Client/Users

- You can view the properties of a group or client by clicking on  on the toolbar. Alternatively, right click on the desired group or client and select **Properties**.
- The Client properties dialog box allows you to view useful information such as the Alias name, System Name, Group, IP Address, Connection Status, and Internet Status.
- The Group Properties allow you to view the number of Clients PCs that are allocated to a Group and the Group Name.

3.12 Switch Console Operator

- To switch from one user account to another, click on the logout button  on the toolbar, or on the menu select **File → Logout**. This takes you back to the login screen from where you can log into the Console with a different user name and password.

3.13 Configuration of the Client Service from the Console

The BrowseControl Client configuration can be modified remotely from the Console. This feature is group specific, i.e. changes made at the Group level will apply to all the Clients under the Group.

- To change the configuration for an individual Client PC, access the Client settings locally from the Client PC. Please refer to [Section 4.0](#) for more details.
- To access the Client configuration at the group level, right click on a specific group and select **Client Settings**.

3.13.1 Change the Password

1. Enter your new password in the new password textbox.
2. Enter the same password in the confirm password textbox.
3. Click on the *Apply* button to change the password. (Figure 23)

3.13.2 Display the Client in the System Tray

1. To display the Client on the system tray, check the “**Show in system tray**” checkbox (Figure 22).

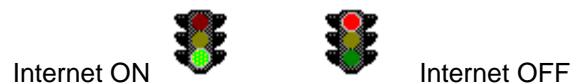


Figure 22. Client side icons

3.13.3 Offsite Internet Access and AppBlocker Control

If the Server is unavailable, the following settings can be applied to maintain the Internet and App Blocker permissions.

- To prevent Internet access if the Server is unavailable, deselect the option “**Enable Internet access**”. Users will be denied access to the Internet. (Figure 23)
- To retain the Allowed list and Blocked list if the Server is unavailable, select the option “**Apply the existing allowed list and blocked list**”.
- To apply the App Blocker settings if the Server is not available, select the option “**Enable App Blocker**”. Users will be blocked from running applications listed in the App Blocker list (Figure 23).+

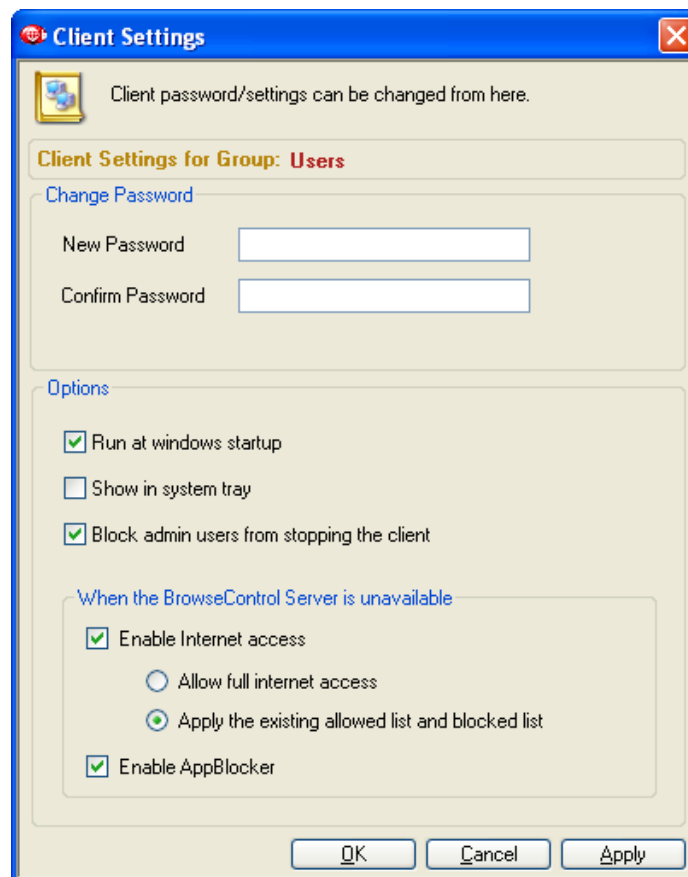


Figure 23. Client Settings

3.14 Manage the Client from the Console

3.14.1 Stop the Client Service

- From the Console, right click on the PC/User icon and select **Services** → **Stop Service** (Figure 24).

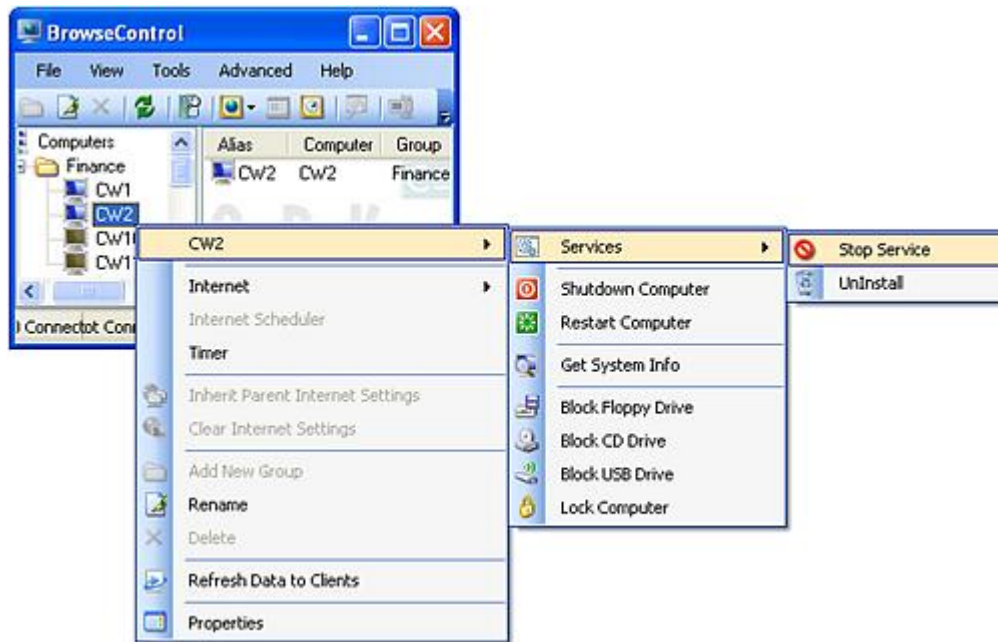


Figure 24. Client Administration

3.14.2 Uninstall the Client

To uninstall the client remotely using the console:

1. Right click on the PC/User icon and select **Services → Uninstall**.
2. Please **reboot** the Client PC to complete the un-installation

Alternatively, to uninstall the Client from the Client PC:

1. Run the following script at the run command (valid for Windows 2000, XP, 2003):

cwClient.exe -pv Admin

NOTE: Admin is the default case sensitive password. If you changed the password of the Client, then please substitute it in place of Admin.


2. Click on the Service tab and click on the Uninstall button.
3. Reboot the Client PC to complete the un-installation.

3.14.3 Shutdown the Client PC

- On the Console, right click on the specific PC/User icon, click on the **PC/User name (first menu item) → Shutdown Computer**.

3.14.4 Shutdown Scheduler

Schedules can be created to Shutdown/Boot Clients remotely. This is a group specific setting. To assign a schedule:

1. Select the desired group and select and click on the **Shutdown Scheduler** icon .
2. To add a new time period when the client systems in the group will be shutdown/boot up select *Add*.
3. Create a schedule by selecting the schedule type and the start and end times. Daily or weekly schedules for Shutdown/Boot computer can be created (Figure 25).
4. Click on the *Add Schedule* button to add the defined time schedule.
5. To apply the schedule click on the *Enable Scheduler* button.

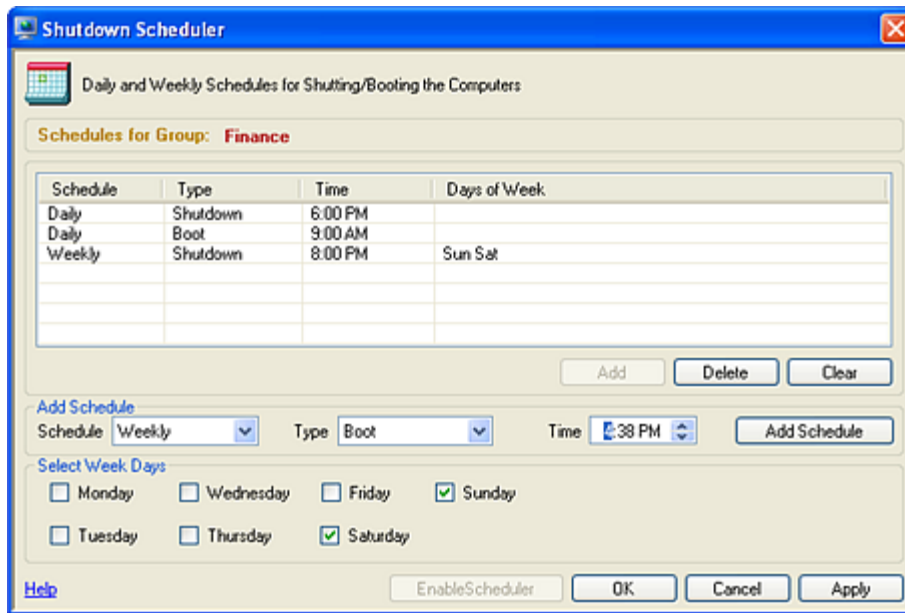


Figure 25. Shutdown Scheduler

3.14.5 Restart the Client PC

- On the Console, right click on the specific PC/User icon, click on the **PC/User name (first menu item) → Restart Computer**.

3.14.6 Get System Info of the Client PC

- On the Console, right click on the specific PC/User icon, click on the **PC/User name (first menu item) → Get System Info**.

3.14.7 Block Floppy/CD/USB Drive of the Client PC

- To remotely block a Client floppy drive, right click on the specific PC/User icon, click on the **PC/User name (first menu item) → Block Floppy Drive**.
- To remotely block a Client CD drive, right click on the specific PC icon, click on the **PC/User name (first menu item) → Block CD Drive**.
- To remotely block a Client USB drive, right click on the specific PC/User icon, **click on the PC/User name (first menu item) → Block USB Drive**.

3.14.8 Lock the Client PC

This feature will remotely lock a Client PC's screen, keyboard and mouse. This is a very useful feature for a teacher to get a student's attention!

- To lock a Client PC, on the Console right click on a **PC/User icon** → the **PC/User Name** → **Lock Computer**.
- Select **OK** to confirm action

NOTE: The client running the BrowseControl Console cannot be locked

3.14.9 Boot the Client PC

- To remotely boot a Client PC from the Console, please ensure that the **Wake-On-LAN** feature has been enabled in the BIOS of the Client PC. To boot a Client PC, on the Console right click on a **PC/User icon** → the **PC/User Name** → **Boot Computer**.

3.15 BrowseControl Console Options

3.15.1 New System Management – Setting the Root Directory.

By default all new Client PCs/Users, appear under the Root Group. Newly installed clients, can automatically be added to the appropriate groups.

- On the Console menu select **Tools** → **Options**.
- On the **General** tab, click on the drop down box and select the Group that the newly installed Clients will be grouped under (Figure 26).

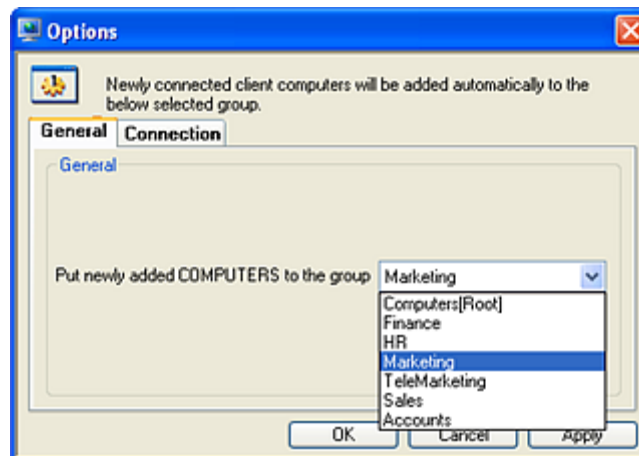


Figure 26. Server Options

3.15.2 Connecting the Console to the Server

- The connection settings between the Console and Server can be accessed by selecting **Tools → Options** from the Console menu (Figure 27). Click on the **Connection** tab to access the settings. The BrowseControl Server IP address and the Console Port data can be edited from this screen. By default, the Console port is 8998; however, this can be set to a range of 4000 to 32767.
- If the Console port is modified, then please make the corresponding changes from the Server interface. Please refer to [Section 2.1](#) for changing the Console port for the Server.

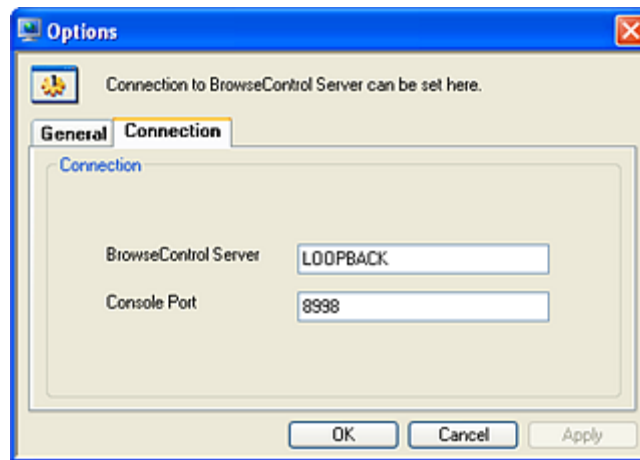


Figure 27. Console Connections

3.15.3 Password Protect the Console

In order to password protect the console, user accounts need to be created. There are two types of user accounts:

1. **Administrator**: the administrator can create or delete user accounts, set permissions to use the features of BrowseControl for the user accounts, as well as use all the features of BrowseControl.
 2. **User**: users of this account can access only those features that have been allowed by the Administrator, however the users don't have permission to access the following features:
 - Root directory
 - User Management
 - Registration of the software
 - General settings.
- To create a new user, on the tool bar select **Advanced → Operators**. On the "Operators" screen, click on the **Add** button and enter the username and password information (Figure 28)
 - BrowseControl can be password protected by selecting the **"Enable Password Security"** checkbox. This feature can only be enabled through the administrative

account. When this feature is enabled, you will be prompted for the username and password when launching the BrowseControl Console.

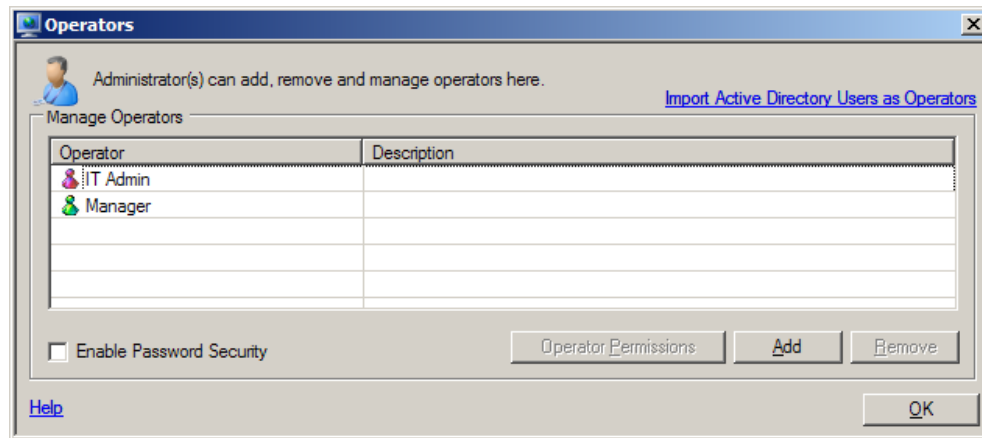


Figure 28. Operators

To set permission for the users:

3. Select the User
4. Click on User Permissions button.
5. Select the features that you would like to allow/deny to the users (Figure 29).

Import Users from Active Directory to Operator accounts

1. Click on Import Active Directory Users as Operators
2. Enter the domain name, a domain user name and password. Click import users
3. Select the Active Directory user you want to import
4. Select the role you want to assign to the user.
5. Click ? to Add to Operators.

Note: Due to Microsoft's security policy, the password for the AD user will not be transferred into the Operator's account.

Instead, the default password of the operator will be the AD username in lower cases.

(For example, the user JohnSmith will have a operator password of *johnsmith*.)

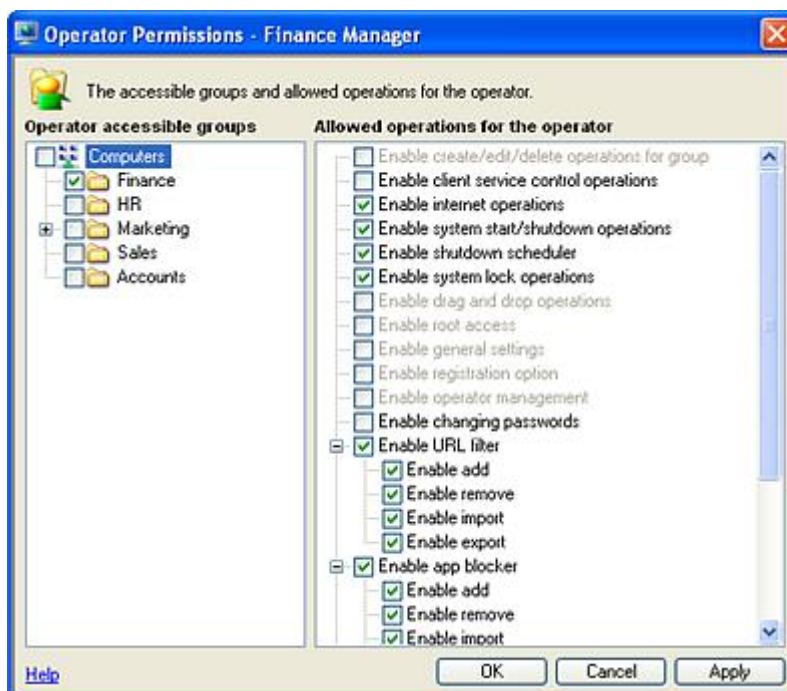







Figure 29. Set User Permissions

User Permissions Explained

◆ Disable create/edit/delete operations for group	If selected, user is denied access to Add New Group  , Rename Group/System  , Delete Group/System  features on the Console.
◆ Disable client service control operations	If selected, user is denied permission to Stop Client Service, Uninstall Client Service
◆ Disable drag and drop operations	If selected, user is denied permission to drag and drop feature of BrowseControl.
◆ Disable internet operations	If selected, user is denied access to Internet ON/OFF, Internet Scheduler  and Timer  .
◆ Disable system start/shutdown operations	If selected, user is denied permission to shutdown, restart or boot the Client system from the Console.
◆ Disable system lock operations	If selected, user is denied permission to lock the Client system from the Console.
◆ Disable root access	This disables the user's access to the root group. Access to root group is permanently disabled for a user. This feature is accessible only to administrators.
◆ Disable general settings	User is denied access to the General tab on the Options window. (Tools > Options). This feature is accessible only to administrators.
◆ Disable registration option	A simple user of BrowseControl does not have the permission to register the software. This feature is accessible only to administrators.
◆ Disable user management	A simple user of BrowseControl does not have access to the user management feature. (Advanced > Operators). This feature is accessible only to administrators.

◆ Enable URL filter	If selected, users will be able to access the URL filter.
◆ Enable add	If selected users will be able to add URL's to the URL filter.
◆ Enable remove	If selected users will be able to remove URL's from the URL filter.
◆ Enable import	If selected users will be able to import URL's to the URL filter.
◆ Enable export	If selected users will be able to export URL's from the URL filter.
◆ Enable app blocker	If selected, users will be able to access the app blocker.
◆ Enable add	If selected users will be able to add application names to the URL filter.
◆ Enable remove	If selected users will be able to remove application names from the URL filter.
◆ Enable import	If selected users will be able to import application names list to the URL filter.
◆ Enable export	If selected users will be able to export application names list from the URL filter.
◆ Enable application scheduler	If selected, user will have permission to access the application scheduler
◆ Enable group settings	If selected, user will be able to access the group settings from the Console (This allows the users to block/unblock the ports at the Port/Proxy setting tab and modify, enable or disable the warning message.)
◆ Enable client settings	If selected, user will have permission to modify the Client settings from the Console, which includes modify password for the Clients, display client icon in the system tray etc.
◆ Enable copying settings	If selected, user will have permission to copy settings of one group to other group(s). For example the internet settings or the app blocker settings of one group can be copied to other groups.

3.15.4 Changing the Password on the BrowseControl Console

To change the password for a logged in User:

6. On the Console menu select **Tools → Options**, click on the **Password** tab (Figure 30).
7. Type in the Old password, New and the Confirm Password and click *Apply* button.



Figure 30. Change the password

3.15.5 Changing the Port of the BrowseControl Console

1. On the Console menu select **Tools → Options**, click on the **Connection**.
2. Type in the new Port number and click the *Apply* button.

3.15.6 Copy Group Settings

Settings applied to one group can be copied to one or more groups.

1. On the Console, select **Advanced → Copy Settings** (Figure 31).
2. Select the source group
3. Select the settings to be copied.
4. Select the destination group(s) and click on the **Copy** button.

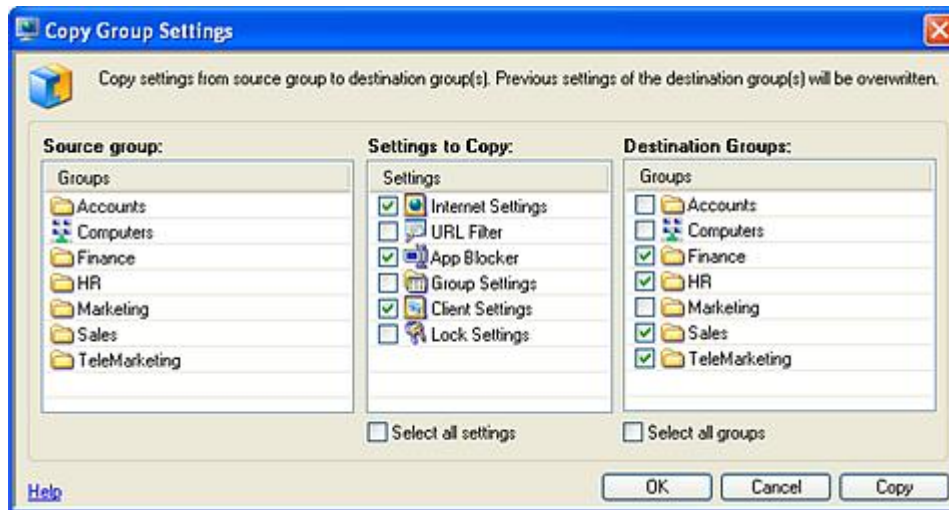


Figure 31. Copy Settings

3.15.7 Import Users

Active Directory users can be imported to the BrowseControl Console making it easier to organize users in the user based BrowseControl.

1. Switch BrowseControl into User Mode via the BrowseControl Server Manager
2. On the Console, select **Advanced → Import Users**
3. Enter the Domain name, User name and Password
4. Click *Import Users*
5. Click on *Add Users* to add the users listed in the window to the BC Console.

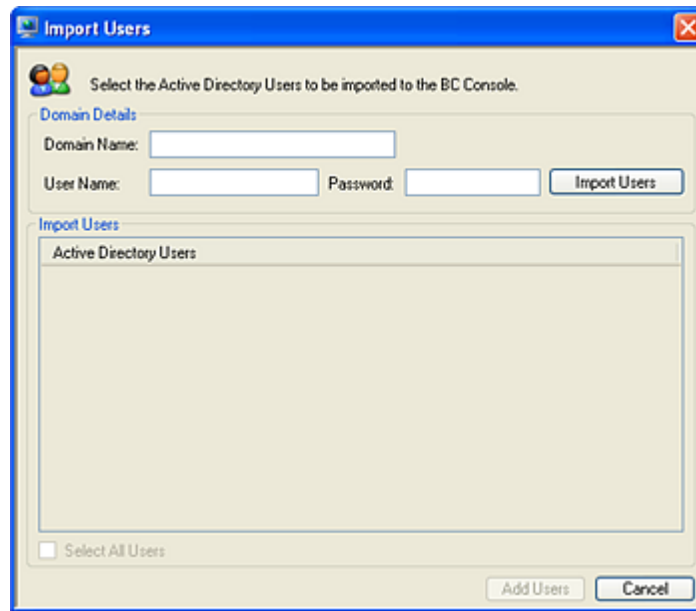
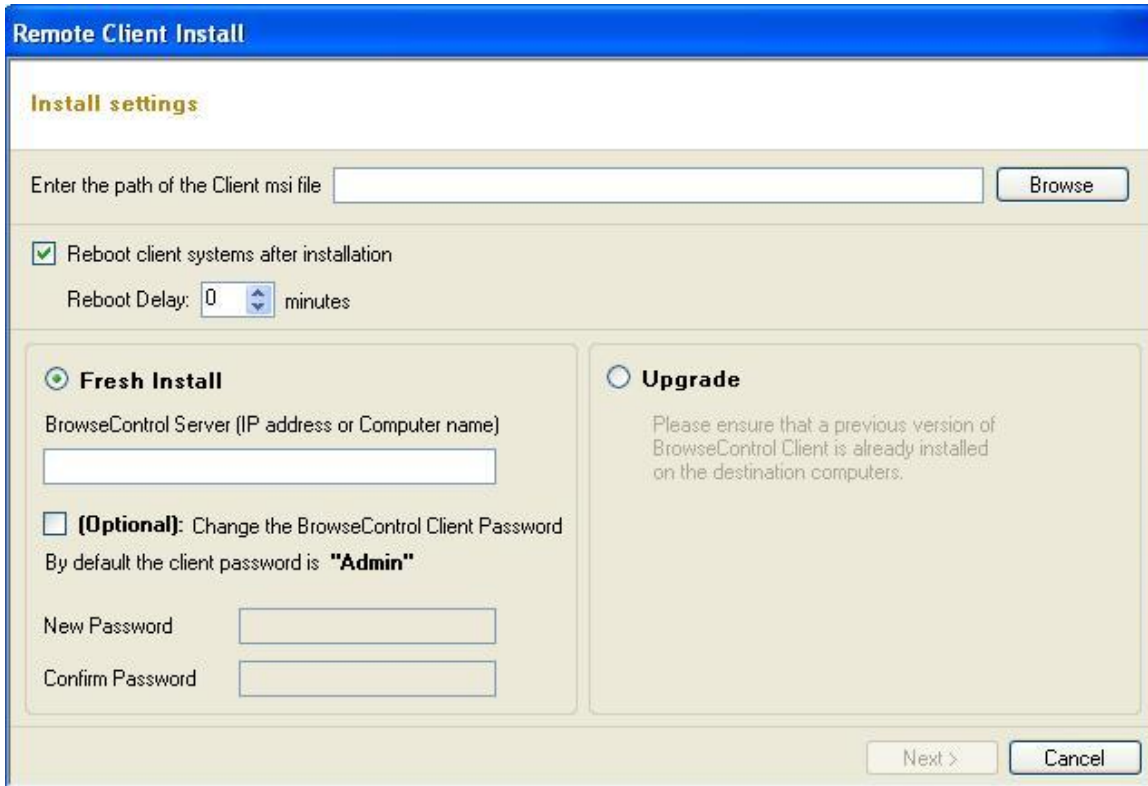


Figure 32. Import Users

3.15.8 Remote Install Clients

BrowseControl Clients can be remotely installed from the Console.

1. From the Console, on the menu bar click on **Advanced** → **Remote Install Client(s)**.
2. Enter the path of the Client msi file on the Server computer.
3. Enter the Server name/IP address and the Client password. In case the Client password is not mentioned then the password is taken as the default 'Admin'. Click *Next*.
4. Select the PC's on the network where the Clients are to be installed. Click *Next*
5. Enter the Username and Password of an Administrator account of the PC where the Client has to be installed. Click *Next*.
6. This would install the Client pack on the selected PC.



Remote Client Install

Install settings

Enter the path of the Client msi file

☒ Reboot client systems after installation

Reboot Delay: minutes

☒ **Fresh Install**

BrowseControl Server (IP address or Computer name)

☐ **(Optional):** Change the BrowseControl Client Password

By default the client password is **"Admin"**

New Password

Confirm Password

☐ **Upgrade**

Please ensure that a previous version of BrowseControl Client is already installed on the destination computers.

Figure 33. Remote Install Clients

3.15.9 Redirect Clients

This BrowseControl utility can be used to redirect BrowseControl Clients connection to the desired Server remotely.

- The Server Name/IP Address to which the Clients are to be redirected will be retrieved automatically by the Console.
- Enter the Password of the Client which is to be redirected.
- You can either select to connect all BrowseControl Clients to the mentioned Server or specify the Clients that are to be redirected.
- Alternatively you can force all BrowseControl Clients with the Given Password to be connected to the current Server by checking the "Force connection to the current server" checkbox. This will force the Clients to get connected to the current Server even if they are connected to other Servers.

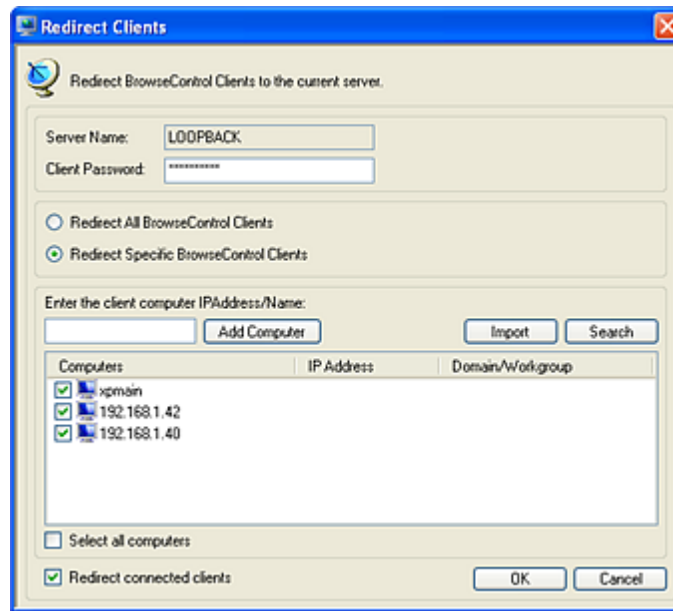


Figure 34. Redirect Clients

3.15.10 Registration

To register BrowseControl with your permanent license key, on the Console, select **Help → Registration** and follow the wizard prompts (Figure 33). Enter the organization name, the number of licenses and the license key code. Please note that this information is case sensitive.

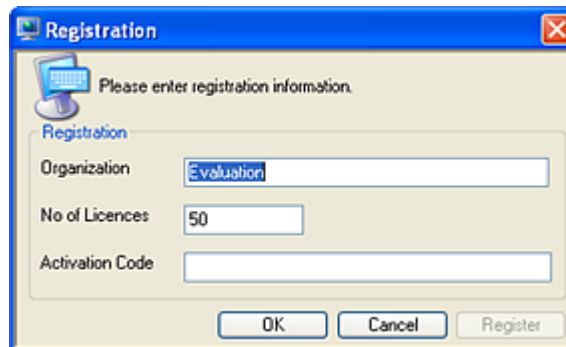


Figure 35. Registration

4.0 Client Settings and Administration

4.1 Client Service Configuration – Window 2000, XP

The BrowseControl Client should be installed on those PC(s) where Internet access is to be managed.


- To activate the configuration screen, at the run command of the BrowseControl Client enter:

cwClient.exe -pv Admin

NOTE: Admin is the default case sensitive password. If you changed the password during the installation of the Client, then please substitute it in place of Admin.

The Client configuration settings can be modified as follows:

- **Make the Client Visible**

To make the Client icon visible, on the system tray of the Client PC, on the Console, right click on the specific Group under which the Client PC exists, select Client Settings. Select the “Show in system tray” check box. On the Client PC the Client icon  will appear in the system tray.

- **Activate the Client Configuration Screen**

Right click on the Client icon and select Open. You will be prompted for a password (default = Admin). The BrowseControl (Service) screen (Figure 34) will be activated. Through this interface, the Client configurations can be set.

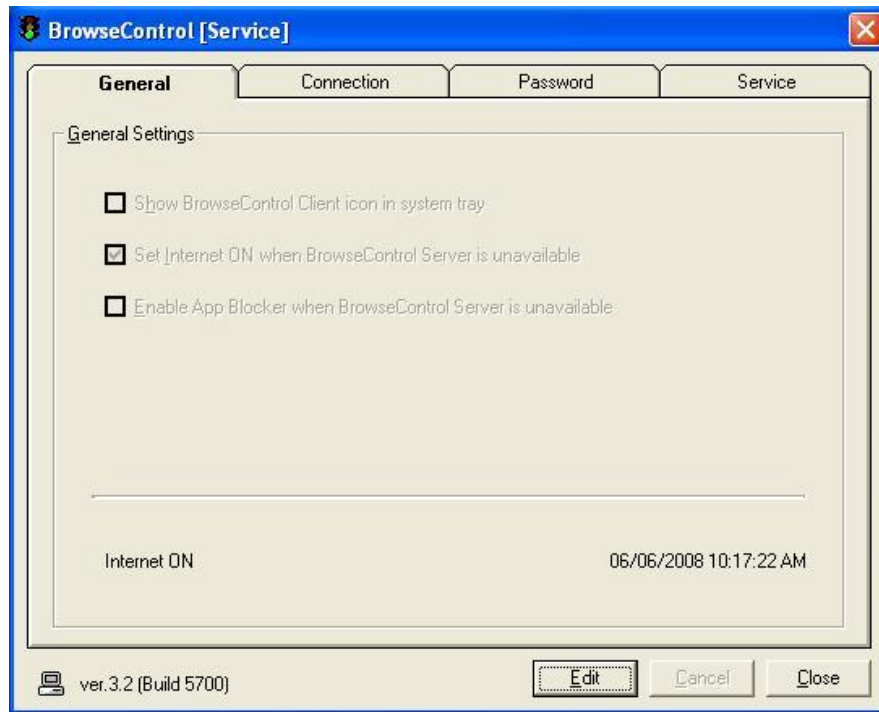


Figure 36. Client Interface

- **Set Internet ON when Server is unavailable**

When the Server is not available; the default setting allows the Client PCs access to the Internet. To prevent Internet access if the Server is unavailable, on the **General** tab of the Client Configuration screen, deselect the check box “**Set Internet ON when Server is unavailable**”. This option will completely deny access to the Internet.

- **Enable App Blocker when Server is unavailable**

When the Server is not available, the default setting is to allow users access to all applications. To deny Clients access to those applications in the App Blocker list, on the **General** tab of the Client Configuration screen, select the checkbox “**Enable App Blocker when Server is unavailable**”.

- **Modify the Server IP address**

To modify the IP address or the Computer name of the BrowseControl Server, click on the **Connection** tab of the Client configuration screen and click on the Edit button to make any changes.

- **Modify the Server Port**

The BrowseControl Server Port is 8999 by default. The port number is stored in the **Connection** tab of the Client configuration screen.

- **Modify the Client Password**

The Client password can be changed by clicking on the Password tab and click on the Edit button (Figure 35). Enter the Old, New and Confirm Passwords. By default Old Password is “Admin” (case sensitive).

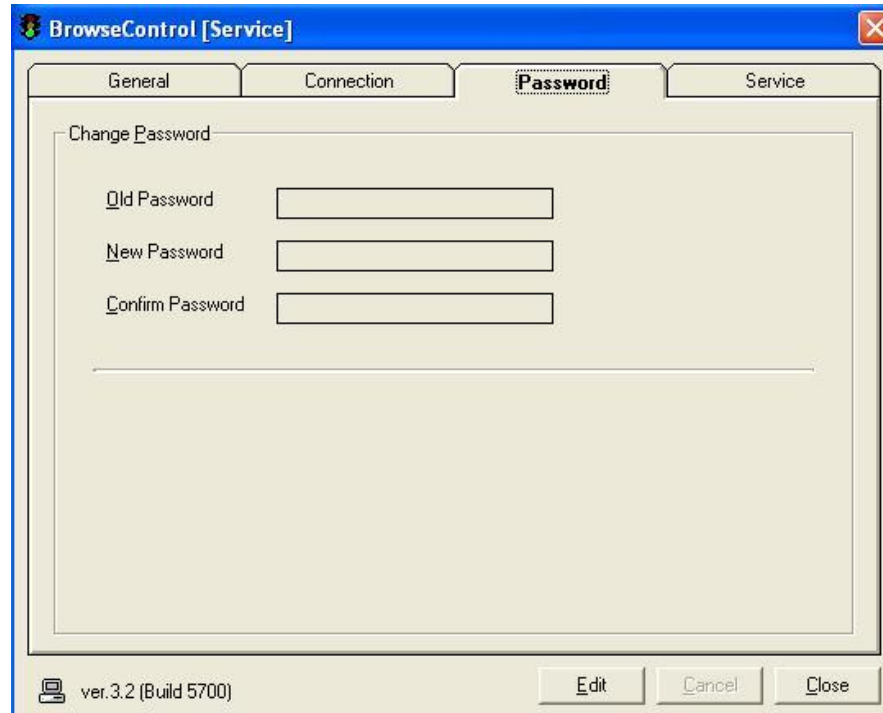


Figure 37. Changing the Client Password

- **Stop Client Service**

To temporarily allow Internet or to allow access to specific applications, the BrowseControl Client Service will need to be stopped. On the BrowseControl Service screen, click on the **Service Tab** and click on the **Stop Service** button (Figure 36).

To resume the Client service:

If the Client is running on an NT based system, restart the BrowseControl Client Service from the Service Control Manager (**Control Panel → Administrative Tools → Services**) or reboot the system.

- **Uninstall the Client**

There are four ways to remove the BrowseControl Client.

- i. From the BrowseControl Console, right click the specific PC icon and select **Service → Un-install**.
- ii. On the BrowseControl Client interface, click on the **Service tab** and click on the *Uninstall* button
- iii. At the run command of the BrowseControl Client enter:

cwClient.exe -pu Admin

NOTE: Admin is the default case sensitive password. If you changed the password during the installation of the Client, then please substitute it in place of Admin.

- iv. For silent uninstallation of the BrowseControl Client, at the run command enter:

cwClient.exe -pum Admin

Reboot the Client PC after uninstalling the BrowseControl Client.

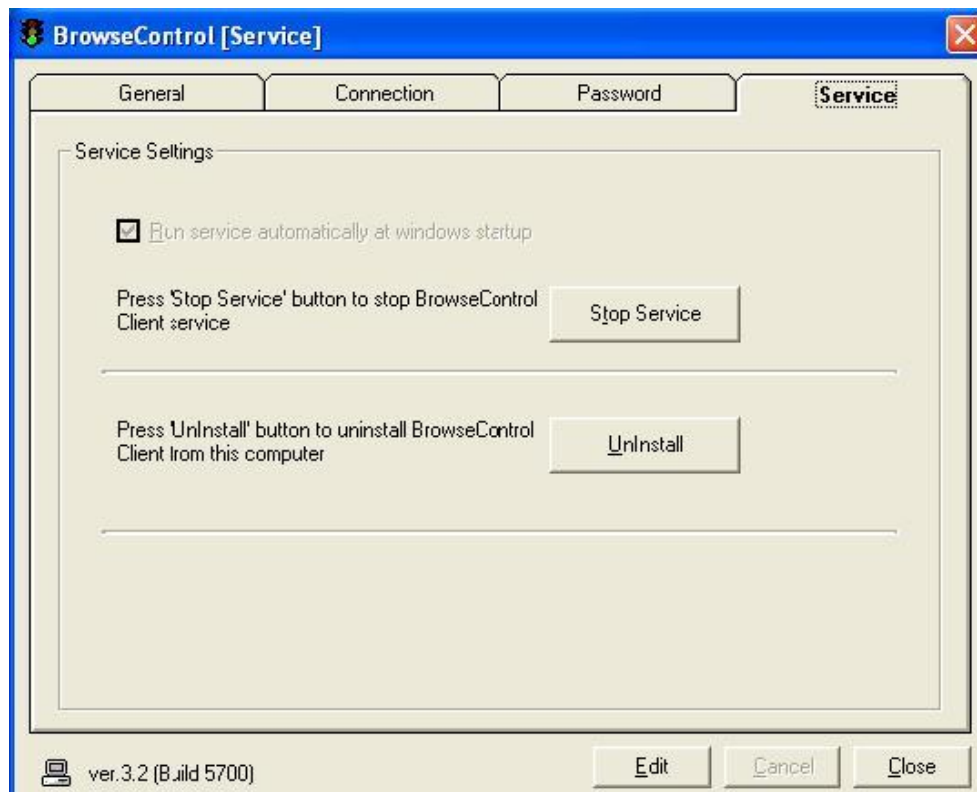


Figure 38. Stop Service

4.2 Client Service Configuration – Vista

- **Modify the Server IP, Server Port**

On **Vista** Clients, run the command prompt as Administrator and enter the following script:

cwBCAgent.exe –pv Admin

Please note that Admin is case sensitive. If the password was changed during the installation of the Client, then please substitute it in place of “Admin”.

This will bring up the Client interface. On the interface, click on the Edit button to modify the **Server** name/IP or Server Port number.

- **Uninstall the Client – silent uninstall**

Run the command prompt as Administrator and enter the following script:

cwClient.exe –pu Admin

Please note that Admin is case sensitive. If the password was changed during the installation of the Client, then please substitute it in place of “Admin”.

Reboot the PC after the uninstall.

4.3 Command line parameters – Windows 2000, XP, 2003

- Command line parameters on the Client PC can be used to make the BrowseControl Client visible. The below script activates the Client interface in order to make any changes to the client configuration:

cwClient.exe –pv Admin

NOTE: “Admin” is the default password. If the password has been changed, then please “Admin” with your password.

- The command line arguments of the Client component are:
cwClient.exe –psnwcum [Password] [Server Name] [Port No] [New Password] [Confirm Password] [Make Visible] [Uninstall] [Silent Uninstallation]
- For msi file installation parameters, please refer to Section 1.4.2

5.0 System Requirements

Please note that BrowseControl is not compatible with Citrix, Terminal Services environment or 64-bit operating systems.

Components	Hardware Requirements	Software Requirements
BrowseControl Server	Processor: Pentium II Memory: 128MB RAM Disk Space: 100 MB plus additional space for data growth	Operating System: Windows 2000/2003, XP, Vista. Networking Protocol: TCP/IP
BrowseControl Console	Processor: Pentium I Memory: 64MB RAM Disk Space: 50 MB	Operating System: Windows 2000/2003, XP, Vista Networking Protocol: TCP/IP
BrowseControl Client	Processor: Pentium I Memory: 16MB (32MB is recommended) Disk Space: 5 MB	Operating System: Windows 2000/2003, XP, Vista Networking Protocol: TCP/IP For Windows 2000: Requires Windows Installer 2.0 or above. Download here .

6.0 FAQs

For the Frequently Asked Questions section, please visit:

<http://www.browsecontrol.com/faqs.htm>

7.0 Support

Email: support@codework.com.

NOTE: Our preferred support method is via email. The target response time to this e-mail queue is 24 hours. Please include your name, e-mail address, phone number, system configuration, symptoms, and any other helpful information

8.0 Purchase Licenses

For pricing and/or ordering information, please contact any of the following offices:

EUROPE

Codework Limited

Atlas House, 1 Simonsway, Manchester, M22 5PP, United Kingdom

Tel: +44-(0)161-499-7888

Fax: +44-(0)161-499-7899

Email: info@codework.com

USA

Codework Inc.

1623, Military Rd #556, Niagara Falls, NY 14304-1745, United States of America

Tel: 905-278-8278

Fax: 905-278-0645

Email: info@codework.com

CANADA

Codework Inc

629 Sequin Crescent, Mississauga, Ontario, L5H-1W4, Canada

Tel: 905-278-8278

Fax: 905-278-0645

Email: info@codework.com

INDIA

Codework Solutions Pvt Ltd.

Ground Floor, "Thapasya", Infopark, Kakkanad, Kochi, Kerala, India - 682030

Tel: +91-484-4055678

Fax: +91-484-4061003

Email: India@codework.com

OTHER COUNTRIES

Please email bcontrol@codework.com for the name of a local reseller in your country.

Appendix A

Windows Installer 2.0 or above:

For Windows 2000 download [here](#).