

SCREEN ANYTIME v6.6

ADMINISTRATOR MANUAL

Record user session of anyone at anytime.



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Document version v6.6, Jul 1, 2024

1. INTRODUCTION

Screen Anytime is a set of software which record computer operations into video log files. Aiming at such requirements in special industry, it provides a continuous, stable and long-term keeping solution. Details of operation in current or past time, on server or on workstation, will be presented to you with clear view sorted by time line, terminals and users. Based on our advanced SSCV3 technology, that is highly-compression, effective and stable during recording, you can record and keep logs of years (Typically, 4G/per month/per workstation). Centralized management and real-time monitor are also supported in Screen Anytime.

2. OVERVIEW

After installation, Screen Anytime will put the shortcut of the recorder to the start group of Windows by writing the registry value in 'HKLM...\Windows...\Run'. Once a user session starts, no matter login from local or remote, the recorder will run until the end. During this period, the recorder will continually write the data to the file in the specified folder, which Administrators can run Screen Anytime to manage, review and replay.

If power off suddenly, the unclosed log file can be recovered next time opening Screen Anytime.

MAIN FEATURES:

✓ **To record, manage, search and playback any visible operations of any user at any time**

The video logs of computers include all screen changes, sounds, mouse movements and application title changing. (Note: It does not record keyboard, mail and so on contents involving the privacy). Managers can look for a log through Screen Anytime main program according to the time, the users and so on. And playback the content needed easily. For the important clips, self-play EXE, AVI and MP4 formats are supported to export it. By searching a substring of the application title, a special moment can be found quickly.



Figure 1: Timeline

✓ Support the multi-user log-in, and log-in through different ways.

Screen Anytime supports multi-user systems, video logs can be recorded separately when more than one user log-in at same time. If the users log-in through RDP/TS, Citrix, VNC, RemoteApp or some other remote controlling system, their operations can be recorded as well as log-in from local. This feature is important for recording server's video log.

✓ Support distributed or centralized management of log files

The video log in default will be saved and managed at the local, but it may also be set as the synchronization to the server to receive centralized management. Each server with the Screen Anytime server edition installed can accept synchronized requests from other 64 terminals at same time. The server is not limited to the same local network.

✓ Support real-time monitoring and remote assist

The real-time monitoring module allows the manager to look over the current running status on their computer. The server will check the authorizations in the list of Screen Anytime users before providing the list of terminal addresses to the tool. During the monitoring, managers can apply for 'Remote Assist' to take over the controlling of the remote terminal.

And a alternate method, 'last screens' function, can monitor all clients by web page and delay within 1 minute by decoding the last frame been uploaded.

✓ Ability to configure filtration

Screen Anytime may record the log under specified conditions. These conditions include the time section, range of users and filtering according to the application titles (e.g. only record the assigned application).

✓ The high compressibility and high efficiency

Do not worry about the file size of the log. Based on the second generation of screen video compression technology (SSCV3), the compressed file size may be 2-3 times smaller than the similar technology. For example, to synchronize log files from 50 terminals to 1 server, suppose that those terminals operate for 8 hours a day, then the 1TB disk space may easily save for 3-6 month-long logs at least.

Our codec has been optimized fully, an ordinary due-core server recorded 1024x768 RDP session can only take smaller than 1% CPU resources, and a workstation with 1680x1050 desktop, which CPU takes not exceed 5%. The performance on the other CPU platform is also good, which is not readily noticeable when running in the background.

√ Independent web service providing browsing and replaying

Administrators can access the records on the server through the browser (IE, firefox, etc.). The web version Screen Anytime provides the same functions as local, including browsing, searching and replay the records. The server edition includes a built-in http server that can run independently without installation of IIS and SQL.

√ Performance reports show statistics on how time spend

The boss always wants to know whether their employees are really spending their time on work and for what percent they are focusing. From v4.5, with this new function of Screen Anytime administrators can see a pie-chart showing exactly how their time is used, for local or everyone in remote. The reports can be set to generate weekly, monthly or manually, and can easily be viewed as HTML format.

SYSTEM REQUIREMENTS

1. Server Edition: Windows 2003 32/64 bits Server and above.
Workstation Edition: Windows 7/8/10 and above.
2. (Recommend)Two or more processor/two core CPU, 512M or more RAM.
3. (Recommend)At least 10GB or more disk space.

3, SETTINGS

At the first time running Screen Anytime, you need to setup the software with 'File and Directory', 'Record', 'Range', 'Application' and 'Privacy' pages.

FILE AND DIRECTORY

Figure 2: File and directory setup page

Output folder

In this folder, the file name follows this rule:

Output Folder\Year-Month\UserName.Date-Hour-Minute-Second.slv

This folder structure makes it easy to backup records month by month. The recorder will access the folder and write the files under user name 'SCR_ANYTIME_USER'. So if the file system is NTFS, please check and make sure that the folder and its subfolder have 'Full controls' for 'SCR_ANYTIME_USER'. You can also remove access to 'Authenticated users' to prevent other users from deleting their videos.

A typical security setting of the folder,

- 1, Full control of SYSTEM
- 2, Full control of Administrators
- 3, Full control of SCR_ANYTIME_USER
- 4, Limited control (read and list) or totally removed of other users, include 'Users' and 'Authenticated Users'.

Size Limits

To avoid your disk out of space, you can limit the maximal disk use and how long the records will be kept. When it exceeds, the program will delete the old files. So, remember to backup data if needed.

For server edition, you may also want to apply those rules on remote files transferred from workstation to this server. Check 'apply rules on remote files' for that. About remote files, see following paragraph.

Synchronize

By setting the address and port of the server, Screen Anytime can transfer the recorded files to the specified Server to accepting the centralized management while the recorder runs.

Server to Server Synchronizing

If the transferring client is a 'server edition' that already collects remote files from others (sub-network), check on 'synchronize remote files' can transfer those records which coming from other computers to next upper-level server.

This feature is useful to build a 'server-tree' to collect records and centralizing them to 1 server. Because 1 server can only handle limited connect in at same time, for a network with, such as 1000 computers, you may need a server-tree to collect records level by level.

RECORD

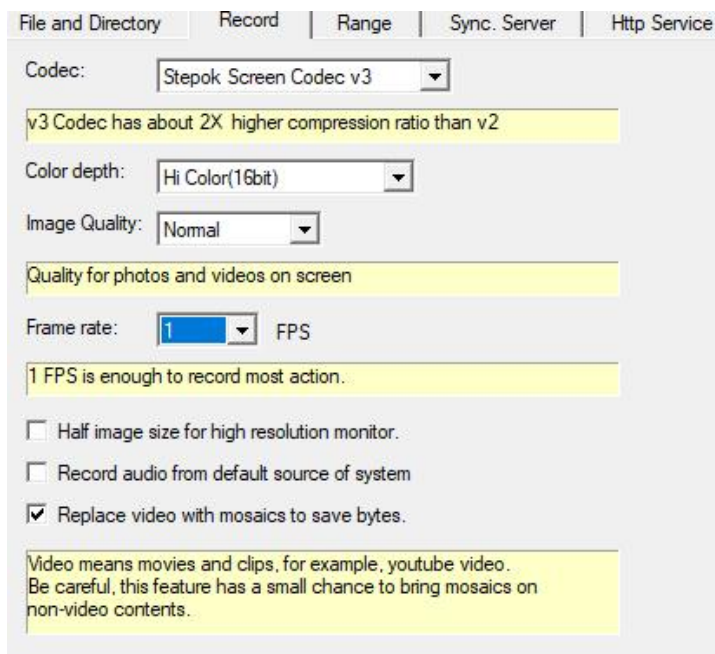


Figure 3: Record setup page

Codec

The default codec used in the recorder is v3. However if the recorder is using v3 codec, but the version of the server is under v6.0, there could be some compatibility problem. To solve this without upgrading the server, you can

choose v2 as the codec so the client will work better with the old version server.

Frame rate

Define how many frames per second the recorder should capture. Although a higher frame rate can capture more screen changes, it brings bigger file and occupies more CPU time. Most of the time, one frame per second is fast enough to know what happened.

A testing result for your reference:

CPU load: %2

1 frame per second

800x600, high color, login with remote desktop

2.8G Pentium D.

Color Depth

In default, Screen Anytime will try to use 16bit high color mode to record. You can choose a lower one to save more disk space, depending on your need.

Half Size

If the computer is using a high resolution monitor, like a 4K setting. This option can record the screen with 1/2 resolution ratio, which could help reduce the file size a lot.

Record Audio

Check to record audio from default source with 11,025Hz mono quality. The source of sound input can be set in 'Sound Property' in 'Control Panel' of the system. In default, it is microphone.

Mosaic videos

Video means movies and clips on screen, e.g Youtube. Playing video and recording it by Screen Anytime could bring large file sizes. By checking this option, the recorder will try to detect video playing and replace it with mosaics.

However it could set wrong mosaics on other contents occasionally, normally it will not affect too much but please be aware of this possibility.

RANGE

Figure 4: Range setup page [Server Edition Only]

Users

Screen Anytime can be set to record certain users and specified time range. After installation, a local user group will be created with the name 'ScrAnytime_List'. Any users in this list can be set as 'record' or 'not record'. In default, Screen Anytime will record all users. You can use the user account management tool of Windows to set the group.

Time

By checking the 'except' option and input the time in 24hrs format, you can set Screen Anytime to record a specified time range. You can also control the time range to cover specific week-days. There are 2 modes of time-range settings,

A, record all except the range you set.

B, record none except the range you set.

When the recorder runs out of range, the tray icon will turn gray and show a tip as 'Paused'.

APPLICATION

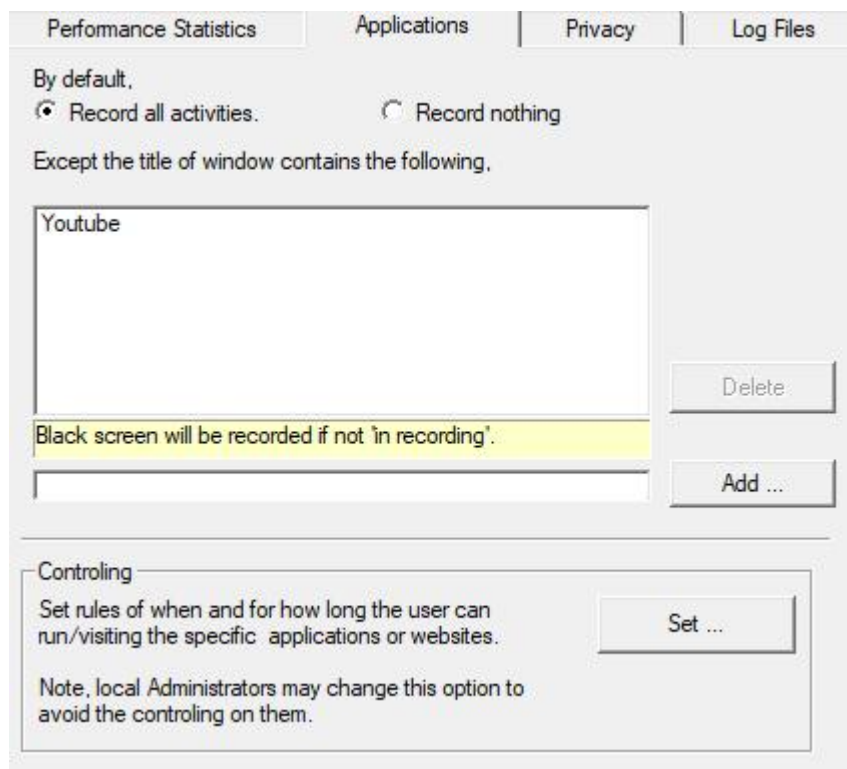


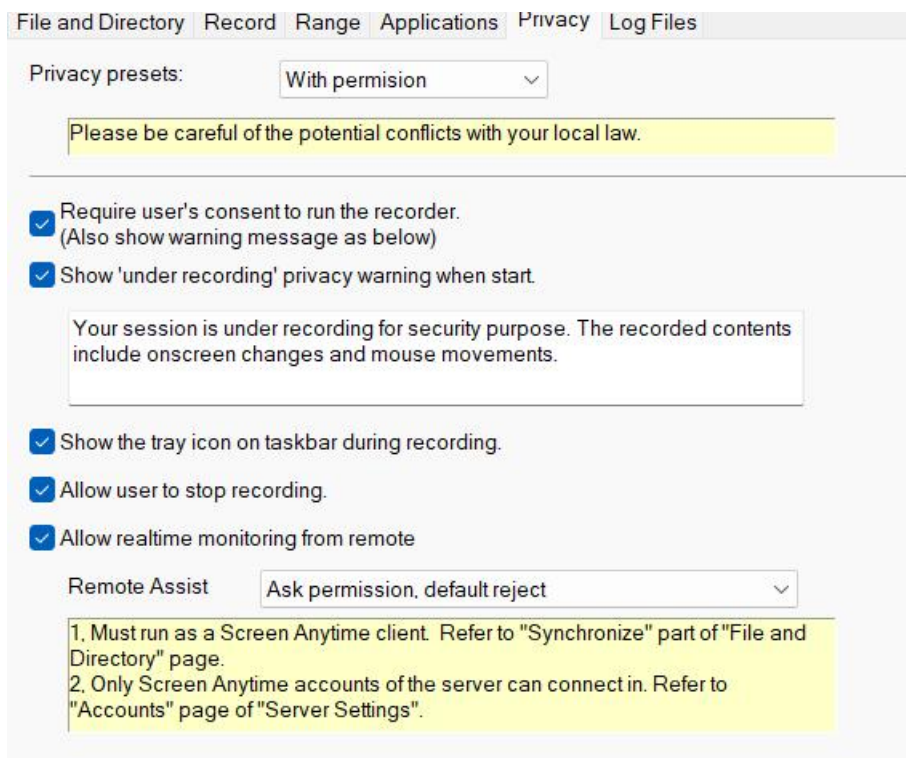
Figure 5: Application filter page

Screen Anytime supports recording the specified application. You are required to input all or part of window titles of the application to lists where the program will compare with. The video will keep black in order to save the image size when recording is not required, but maintain a continuous timeline. The black can be alternatively skipped by the density indication of the player when playback.

Behavior of Non-Administrators can also be controlled here. Click the 'Set' button in the controlling area, it will pop up a dialog to set controlling rules. In each rule, you can limit a program with the keyword in its windows title, with 3 types of controlling. "Disabled", "Maximal usage of a day" or "Time range". Keyword "*" means for all screen time.

Max 10 rules can be added here. A rectangle will pop-up when the user breaks one of those rules. It will block the screen so the user can not operate any more until the disabled program is closed. For Administrators this may not work because an Administrator can easily run Screen Anytime to reset those rules.

PRIVACY



File and Directory | Record | Range | Applications | Privacy | Log Files

Privacy presets:

Please be careful of the potential conflicts with your local law.

Require user's consent to run the recorder.
(Also show warning message as below)

Show 'under recording' privacy warning when start.

Your session is under recording for security purpose. The recorded contents include onscreen changes and mouse movements.

Show the tray icon on taskbar during recording.

Allow user to stop recording.

Allow realtime monitoring from remote

Remote Assist

1. Must run as a Screen Anytime client. Refer to "Synchronize" part of "File and Directory" page.
2. Only Screen Anytime accounts of the server can connect in. Refer to "Accounts" page of "Server Settings".

Figure 6: Privacy setup page

As an application runs behind, the user may not notice that his/her behavior has been monitored and recorded. To protect the privacy of the user, the Administrator can set Screen Anytime to ask consent, to give a warning, to show a tray icon, or to allow the user to stop and close the recorder.

Sometimes on the contrary to above, Administrators do not wish the users to know there is a recording process behind, preventing them from terminating the process by force before they do something harmful to the server. It is called 'Silence running'.

There are 3 presets in this dialog for your choosing,

With permission: A pop up message box will ask the user for the permission of running the recorder. If the user clicks 'Cancel' then the recorder will not run.

With warning: A warning will be shown after the recorder starts. If the user doesn't want it to run, the recorder can be stopped by clicking the tray icon and selecting 'stop' from the pop-up menu. (Those 2 options are checked under this preset).

Silence running: User will not know the recording and can not terminate the process.

Also, if the 'realtime monitoring' is checked, a manager can check this computer remotely without any delay and provide remote assistance if it is accepted by the

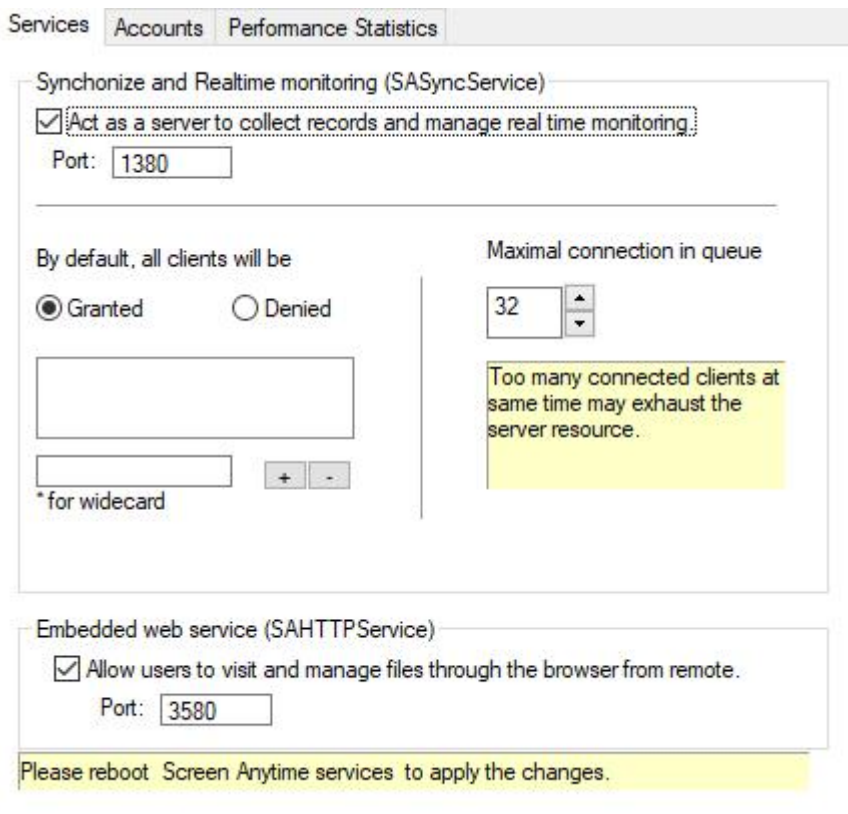
user.

After setup, a restating of system is recommended. Please also be careful of the potential conflicts with your local law.

4, SERVER SETTINGS

The following settings are for 'server edition' only. Screen Anytime server editions have 2 services running behind them, they are 'Screen Anytime Service' for uploading records and real time monitoring and 'Screen Anytime HTTP service' for visiting records with a web browser.

SERVICES



Services Accounts Performance Statistics

Synchronize and Realtime monitoring (SASyncService)

Act as a server to collect records and manage real time monitoring.

Port:

By default, all clients will be

Granted Denied

+ -

*for widecard

Maximal connection in queue

▲ ▼

Too many connected clients at same time may exhaust the server resource.

Embedded web service (SAHTTPService)

Allow users to visit and manage files through the browser from remote.

Port:

Please reboot Screen Anytime services to apply the changes.

Figure 7: Services page

You may set the Server Edition of Screen Anytime which acts as the central server of video files. And then achieve the centralized management of remote video files by configuring the synchronize page on the client (simple workstation edition or the workstation edition).

The synchronized video files are saved to Output Folder\ Remote\ <Pc name> \Year-Month \. If the remote video files are synchronized, you can browse the local video or remote video via the switch button on the left of the interface.

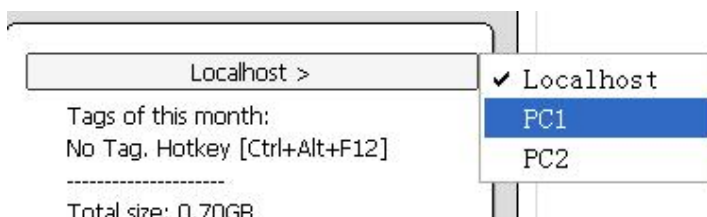


Figure 8: Switch between local and remotes.

You may also enable/disable built-in HTTP service to allow users to visit records from the internet browsers like IE, Firefox, and so on.

The default port of Screen Anytime http service is 3850, you can visit the server with URL like this,

<http://<screen anytime server address>:3850>

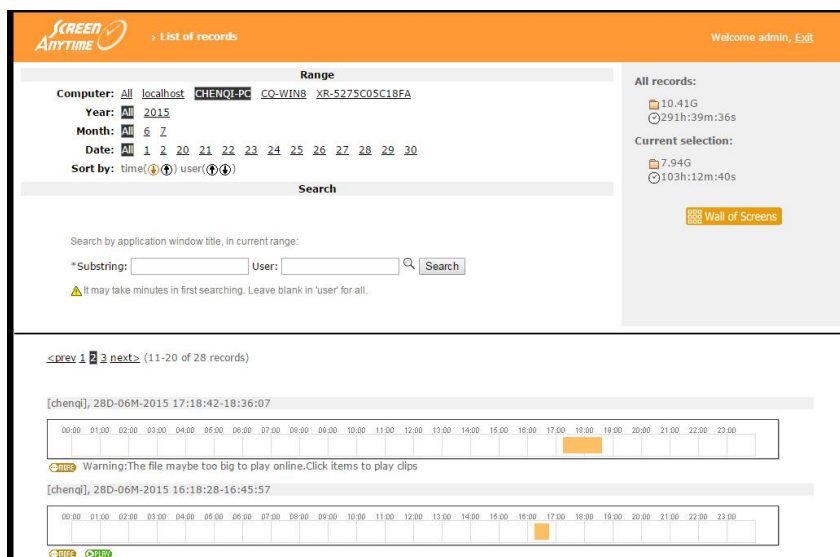


Figure 11, Sample of web version

There are more discusses about these 2 services in chapter 'TIPS'.

ACCOUNTS

To access HTTP service or to use the real time monitoring module, you need a username/password pair to login the Screen Anytime server. Those accounts are set here.

Services Accounts Performance Statistics

The following accounts can access recorded files remotely either through a web browser or the real time monitoring tool.

Name	Access range
admin	*
temp	*PC*

Name:

Password:

Numbers and letters

Psw repeat:

Access range:

[How to set?](#)

Figure 10, Accounts

You need to add at least 1 user for login. The access range is useful to define which clients the account can visit. The synchronizing function allows the server to collect records from other workstations/servers. Records from different computers will be stored in different folders. And the computer name that is also used as folder name, which is set in the 'File and Directory' page of the client settings, will be compared with the '**Access range**' parameter here.

For example in the picture there is a user named 'temp', who can only visit computer names with the substring 'PC'. So user 'temp' would see something like 'PC1', 'Sub_PC1', 'PC2', etc. They all have substring 'PC' inside, just as what we set in 'access range'.

A typical usage of 'access range' is, administrator can give it a rule when name a computer, such as 'groupname_username', for example, 'devgroup_jack'; Then apply different 'access range' for different group leader, for example, leader of development department may have a account 'dev' that have a range of 'devgroup*', so he can only visit the records from his group.

PERFORMANCE REPORT

This setting is valid for server edition after v4.5. From where the administrator can set the server to generate performance reports with fixed time-span for specific users. About 'performance report', see '**Tips**' - '**Performance report**'.

Http Service Performance Statistics Applications Privacy

Make reports for performance. The report will show how many how the users spend their time on different applications.

Weekly Monthly Quarterly

Make instant report ...

User range

Local computer All remote computers

Remote computers with a range

*

localhost, *, <name>, <name>*, *<name>*

You can see a list of all reports when visit server by HTTP, or, you can

View and manage reports ...

Check **'Weekly'**, **'Monthly'** or **'Quarterly'** for when the server will make the report. The server will start statistics last span on the first day of a new span.

User range: You can set the range of concern. From 'local' to 'Remote' or a group with a name keyword. Here the name means the 'PC name' set on client's 'File' page.

5, MANAGEMENT RECORDS

RECORDS IN FOLDER

The files of local are saved with the name.

Output Folder\Year-Month\UserName.Date-Hour-Minute-Second.slv

The files of remote are saved with the name

Output Folder\ Remote\ Pc name \Year-Month \ UserName.Date-Hour-Minute-Second.slv

VERY IMPORTANT: Users may simply remove the old records by deleting the files. To prevent it, please read 'Tips: File protecting'.

RECORDS IN SCREEN ANYTIME

Start Screen Anytime and you will see an interface like this,

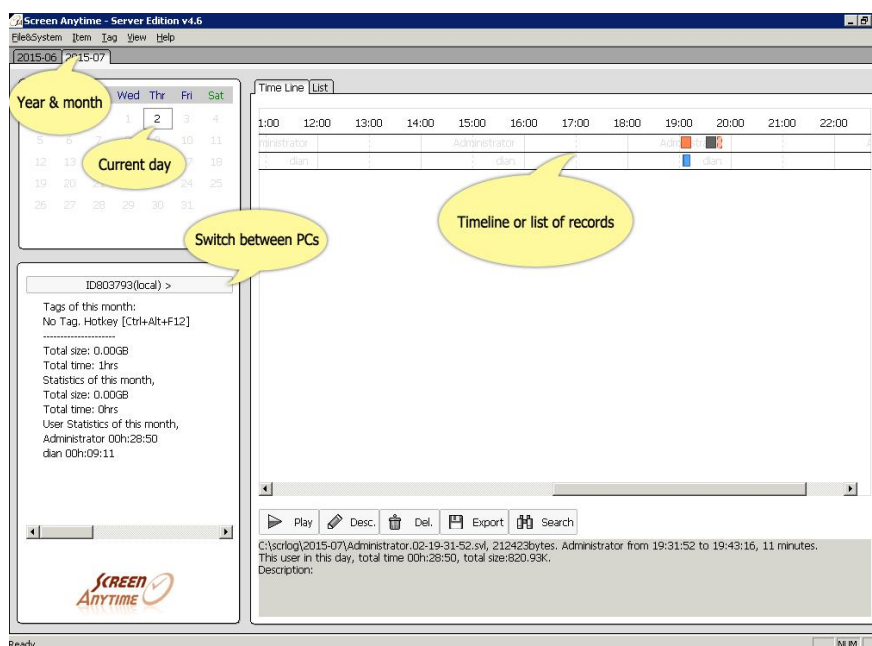


Figure 12: Interface of Screen Anytime

The month with records will be listed on top of the window. Select a month then you will see the calendar of it. In this calendar, dates with records will be shown in black, the others in gray.

Select a day and the records will be shown on the right view with a timeline or list. In the timeline, each file will be presented as a segment which starts from the corresponded x position on the timeline. The files of different users are expanded on y axis. A normal session file will be shown as a solid rectangle filled with color, and surrounded with a frame (■). When the file is not properly closed, it will be a dot-line frame instead (▤). For files under recording, the color is lighter than normal (■). For files of remote APP, it will show as a narrow bar. Moving the cursor over the item will show the details in the pop-up tips..

For the list view as follows,

User	Start	End	Duration	Size	Logo...	End Reason
Administrator	13h:18:00	13h:28:15	00h:10:15	2.83M	STEP...	Unexpected stopping
Administrator	13h:29:21	13h:29:29	00h:00:08	98.64K	STEP...	User stop recording
Administrator	13h:29:30	13h:29:36	00h:00:06	115.54K	STEP...	User stop recording
Administrator	13h:40:13	13h:40:38	00h:00:25	205.10K	STEP...	Unexpected stopping
Administrator	13h:40:40	13h:41:48	00h:01:08	464.15K	STEP...	Log off or shut down
Administrator	13h:42:07	13h:42:46	00h:00:39	428.29K	STEP...	Log off or shut down
Administrator	13h:49:39	13h:50:04	00h:00:25	364.77K	STEP...	User stop recording
Administrator	13h:50:05	13h:50:08	00h:00:03	82.37K	STEP...	User stop recording
Administrator	13h:50:38	13h:50:48	00h:00:10	186.23K	STEP...	User stop recording
Administrator	13h:50:50	13h:50:52	00h:00:02	76.30K	STEP...	User stop recording
Administrator	14h:01:05	14h:01:23	00h:00:18	229.54K	STEP...	User stop recording
Administrator	14h:06:10	14h:06:27	00h:00:17	244.34K	STEP...	User stop recording
Administrator	14h:07:25	14h:07:51	00h:00:26	273.46K	STEP...	Unexpected stopping
Administrator	14h:07:55	14h:08:16	00h:00:21	327.49K	STEP...	User stop recording
Administrator	14h:08:40	14h:11:33	00h:02:53	1.14M	STEP...	User stop recording
Administrator	14h:12:45	14h:12:50	00h:00:05	150.24K	STEP...	User stop recording
Administrator	17h:27:29	19h:59:20	02h:31:51	61.93M	STEP...	Log off or shut down
gq	14h:19:25	14h:20:02	00h:00:37	69.28K	STEP...	User stop recording
gq	14h:20:03	14h:20:16	00h:00:13	67.60K	STEP...	User stop recording
gq	17h:27:40	17h:28:16	00h:00:36	19.55K	STEP...	Unexpected stopping
gq	17h:28:20	17h:28:25	00h:00:05	29.32K	STEP...	Unexpected stopping
gq	17h:28:27	17h:28:28	00h:00:01	19.55K	STEP...	Unexpected stopping
gq	17h:28:34	17h:28:45	00h:00:11	48.85K	STEP...	Unexpected stopping

Figure 13: List view

You can see details about these files. There are some items that need to be explained.

End Reason: there are 6 kinds of reasons that a recorder will close a file,

1. User session ends, log off or shutdown the computer.
2. Every 3 hours. To prevent the large file which is hard to replay, the recorder will close the file after 3 hours recording, and start a new one. * From v4.6 the limits of 3 hours have been removed.
3. After midnight 0:00, the recorder will close the current file and start a new one.
4. During the expected time. See range setup page.
5. Abort recording. Users close the recorder by normal way or Administrator stops and closes all files under recording.
6. Unexpected reason. The possible reason could be unexpected error, unexpected power off, or force terminated by users.

You should pay more attention to reason 6. If the user closes the recorder by force, he/she may not want Administrator to know what he/she is doing. Screen Anytime has some ways to prevent process being terminated but it is still possible to kill the process of recorder in lower system driver level. If this case does happen, you can review the movie to make sure and look up other system logs for more information. Screen Anytime will help you know who and when.

REPLAY, ADD DESCRIPTION, DELETE AND EXPORT

Select a file in list or time line of Screen Anytime, then you can do the following things, including:

Replay

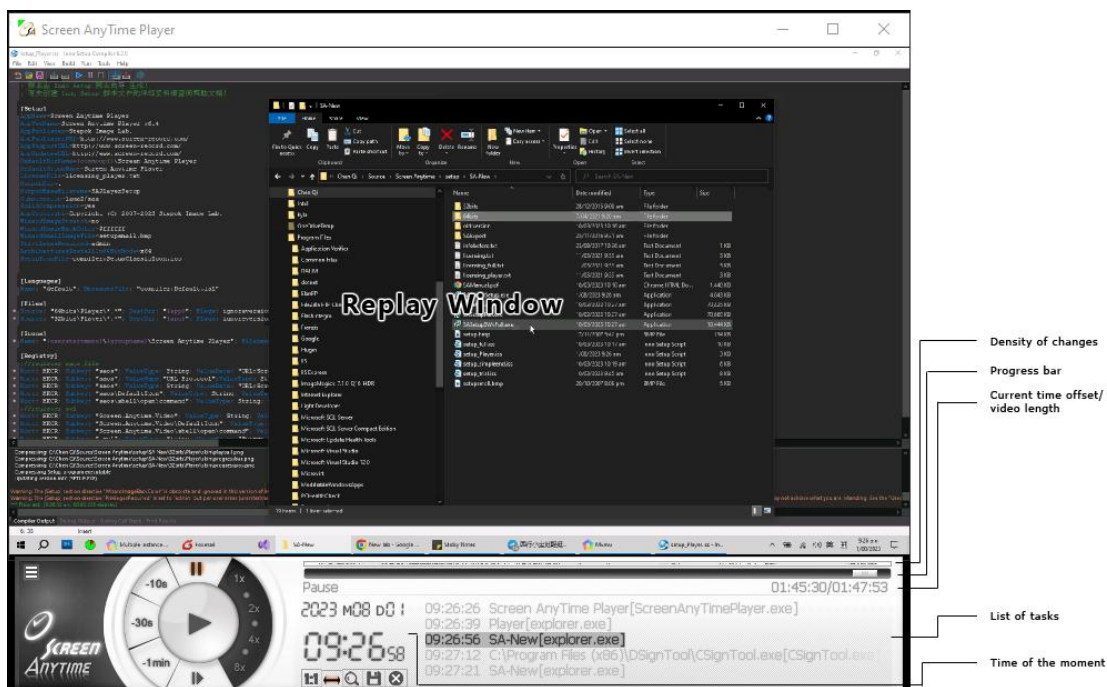



Figure 14: The player

In player, you can play, pause or play frame by frame. Click or drag the progress bar to jump to any time.

Fast playing:


Dragging and holding the control ball to reach 1-8x speed of replaying. Release it to return default 1x speed replaying.

Searching and Jumping:


Click the task list to jump to the next task or click the search button  to find a moment in the list of all tasks of the current file. On the left side of the panel, there are 3 buttons you can click for a fixed-time jumping of '-10s', '-30s' and '-1min'. Press 'Shift' to switch to positive numbers of '+10s', '+30s' and '+1min'.

Buttons:



In order: 'real-size show', 'stretch', 'search/jump', 'export', 'exit'. 'menu' button  on top-left;

Jump over idle time:

Click the 'search/jump' button , then click 'Jump over idle time (black screen)' button. The player will find and jump to the next moment when the mouse cursor was moved.

Add Description

You can add some descriptions into a file.

Delete

Delete a file from disk and remove it from the list.

Export

Export segments to a self-play exe file or an avi/mp4 file.

TAGS FOR SPECIAL MOMENTS

Screen Anytime has a feature that supports tags for special moments. Any user can mark a moment for later looking up by adding a tag. Hotkey for this function is Ctrl-Alt-F12' while recording.



Figure 15, Add moment tag

In this pop-up dialog, you can give this moment a short description which can be searched and viewed later in Screen Anytime. In the 'moment time' section, you can set the tag time to before/after the time dialog pop-up or the time dialog closed.

This tag is listed at the left of the Screen Anytime window after a month is selected. Double click it, you can go back to replay the moment. It can also be searched in 'searching a moment' function besides the general keyword searching of title.

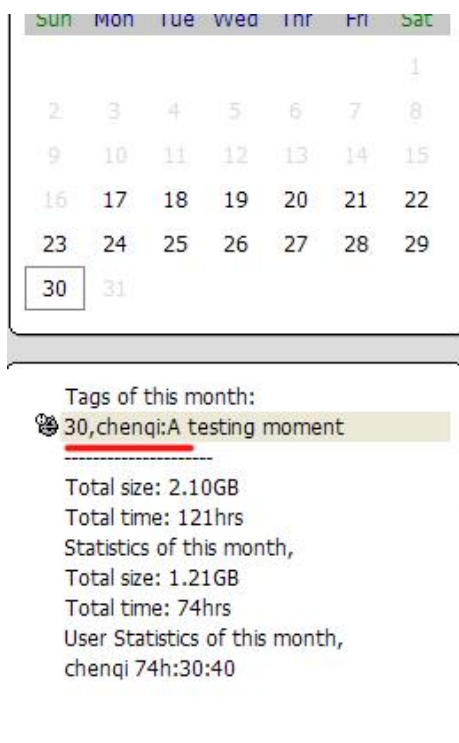


Figure 16, Show moment tag on left

6, TIPS

FILE PROTECTING

To protect the records from deleting, modification and reading by non-administrator users, you can,

1. Use NTFS file system instead of FAT/FAT32.
2. Never give common users the privilege of Administrator.
3. Based on 1 and 2, set the output folder's security property. Disable access rights of everyone except 'Administrator', 'SCR_ANYTIME_USER' and other necessary accounts. The very important thing is to make sure 'SCR_ANYTIME_USER' has 'Full controls' including read, write and create folders in the output folder and its subfolders.

Therefore, common users can not access files in the folder, and can not delete, modify or copy them.

A typical security settings may looks like,

- 1, Full control of SYSTEM
- 2, Full control of Administrators
- 3, Full control of SCR_ANYTIME_USER
- 4, Limited control (read and list) or totally removed for other users, include 'Users' and 'Authenticated Users'.

IMPORTANT: Screen Anytime will apply setting 3 when creating the folder by default (may not, if the folder is created manually instead of created by Screen Anytime), but will not apply setting 4. Please review the settings of the folder by yourself. If you don't know how to do it or don't understand, you may set the folder to a position only you know where.

SAVE DISK SPACE

The following settings can help saving disk space,

1. Set maximal limits of total size and time. Refer to 'Configuring-File setup page'.
2. Use lower frame rate and color depth. Refer to 'Configuring-Record setup page'.
3. Set your screen-saver to a simple one or just disable it. Avoid using complex screen-saver like 'Aquarium'.
4. Disable wallpaper, and use classic Windows theme.
5. Use half-size recording.

The statistics of total disk usage can be found at the left side of the main interface.



Figure 17, Statistics

BACKUP AND REOPEN

It is easy to back up the records that just copy the files you need into any outside storages. Warning, the files on disc have no protection, and therefore anyone can replay them on any computer where Screen Anytime is installed.

In Screen Anytime, you can reopen the backup records by using the function 'File-From another place' from the menu and select a folder. For example, the path of a DVD-ROM. Screen Anytime will look in this folder for all svl files and update views based on the result.

SEARCH A MOMENT

The search function is very useful in filtering out special user actions from a time range. The recorder will catch every change of the foreground window, and write down their window titles. By searching text in titles or program exe files of these applications, Screen Anytime can bring you back to the moment of their opening.

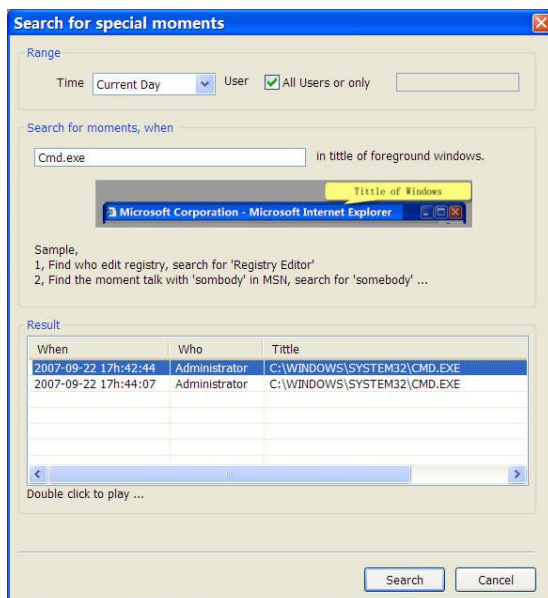


Figure 18, search dialog

Here are some examples, (these could be varied in different system)

To Find, Who and When	Search Term	Original Window's Title
Changed registry	'Registry'	'Registry Editor'
Conversation with Tom on MSN	'Tom'	'Tom - Conversation'
Visited google	'Google'	'Google - Microsoft Internet Explore' or some other navigators.
Use text editor	'notepad'	The exe name is 'notepad.exe'

Table 1, Typical samples of search function

CLOSE CURRENT RECORDING AND REPLAY

In default, the recorder of Screen Anytime will keep running to the end of the windows session. Until then the file will not be closed and the size of the file will keep getting larger. If you need to stop recording to close the file, you can call the menu 'Item - End current recording' to close them manually. In this function, you can instruct the recorder to stop or resume as a new file after the current file is closed.

The 'End reason' shown in the list for a manually closed file is 'User stop

recording’.

REAL TIME MONITORING

Administrators can monitor workstations with delays under 1 seconds by the real time monitoring tool. (new tool after v6.5)

You can find this tool under the menu of Screen Anytime ‘File&System’ - ‘Real time Monitor’. You can also get this tool by installing ‘Screen Anytime utilities’ instead of ‘Screen Anytime’.

Before monitor other computers, you need to do the following settings,

1, *Have a Screen Anytime admin account on the Screen Anytime server. See ‘Server Settings’ for more detail.*

2, *Check the ‘Enable real time monitor from remote’ option on the Screen Anytime client, which connects and uploads its files to the server. See privacy settings above.*

After login with the admin account of the server, you will see a list of thumbnails of all running computers which connect to the server and with ‘real time monitoring’ enabled. Double click one of them to open and see the up to time screen activities. Once the computer screen is opened, the manager can apply ‘Remote Assist’ to control this computer under the permission of the user.

All network traffic is going through the server. As long as the server has a public IP address, you can access all clients from anywhere on the internet.

MONITORING WITH SOME DELAY

To monitor all clients, no matter whether the option ‘real time monitoring’ is enabled or not, there is an alternate way called the ‘Wall of screens’ function. You can find it in the server edition of Screen Anytime or the web page version.

This monitoring function will decode the latest frame from the uploaded files. What you see is the last frame of the last file, sorted by time, and for each client. Once the files have been uploaded to the server, you can see it.

Another advantage of this method is, you don’t need a special client to run it. On any computer, by visiting the website of Screen Anytime (HTTP service needs to be on), you can see all recent screens by clicking on the ‘Wall of screens’ button on the web page after log-in.

Here is a sample of this method on web page,

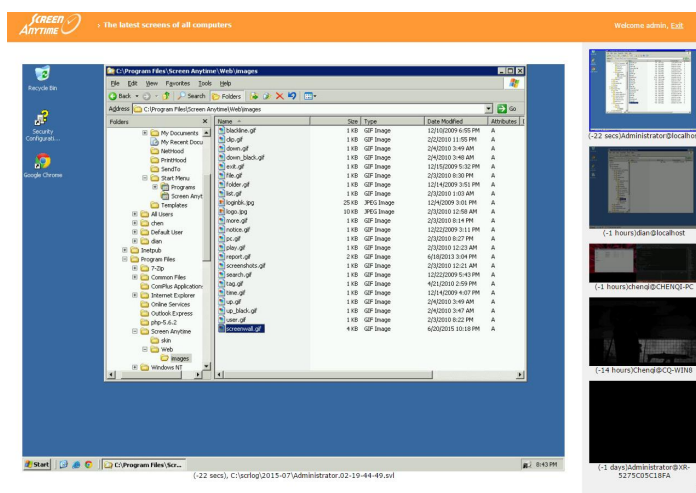


Figure 19, wall of screens

The thumbnails on right are all users of all computers (including local and remote) on the server. If the thumbnail is black, it means the session is not currently running. Otherwise, you can select to view its latest frame. The list of thumbnails will refresh every minute. The big image on the left is the image of the selected user, it will refresh every 5 seconds. And you can see the delay on the text. Click pages you can access more users and clients from the list.

The bad part is, the 'last screen' method has a longer delay than the real time method. The delays varied from case to case and depended on the following facts. If the uploading progress is fast enough, the delay depends on the network speed and the refresh speed of the server, which is typically under 1 minute. If the uploading is not fast enough, you have to wait for the upload to catch up with the recording to see the latest screens. Therefore, the delay will be longer..

PERFORMANCE REPORT

The performance report can let the administrator know on a specified computer, how the time is spent on different applications.

The applications are classified by their exe file name. The program will statistic the total time for each application within a time-span. The idle time will be excluded

from the statistics. If there is no mouse movement in 5 minutes, the program will treat the status as idle.

Administrators can make an instant report in Screen Anytime (**File menu- Performance Statistics**) for any period they want or make it an automatically repeat rule.in '**Setup-'Performance Statistics**' page (Server edition only).

The following figure is a sample of a typical report.

Performance Report - WORK01

Summary

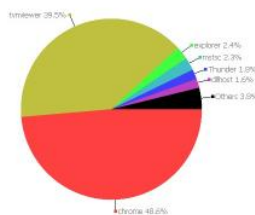
time range: [07/1] from 5/22/2013 to 6/1/2013
 total non-idle time: 19.5 hour(4)
 total idle time: 37.5 hour(4)

color example:

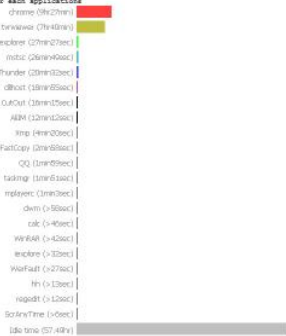
the different colors are assigned to the top used applications in the report.

Application statistics

1. Ratio of Applications (idle time not included)

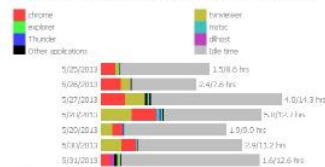


2. Time for each Applications



Time for each day

time format: m/h/r - running time (without idle), All time (include idle)



Timeline brief

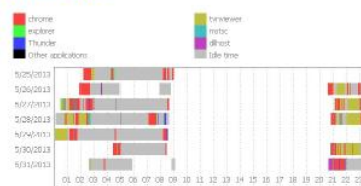


Figure 20, Performance report

There are 2 ways to read those automatically generated reports. You can open it at the Screen Anytime program from the menu 'File/Manage Performance Reports' or from the webpage, accessed remotely by HTTP services (server edition), Click on the links on top-right of the list page.

RECORD REMOTEAPP

RemoteApp is a TS feature since Windows 2008 server. It allows administrators to publish any program installed on the server to their users. The RemoteApp feature will generate a special RDP file, by which remote users can run the on-server program as in local. It is useful when the Administrator does not wish to publish the whole RDP desktop to remote users.

Without the desktop, the Screen Anytime will not record it automatically. Therefore, to record RemoteApp sessions, you need to set it manually.

The way Screen Anytime recording RemoteApp is simple, that you need to publish ScreenLog.exe instead of the original program, and set the original program as the parameters in the command line..Here is a sample.

To publish and record 'NotePad.exe'.

’.

	Original settings	New settings
Program path	C:\Windows\notepad.exe	<The Screen Anytime Path>\ScreenLog.exe
Program icon	C:\Windows\notepad.exe,0	C:\Windows\notepad.exe
Command line	<NULL>	-run "C:\Windows\notepad.exe"
Command line option	<N/A>	Enforced (value 2 in registry)

If the program have a command line, like "notepad.exe a.txt", you can simply attach the command line behind the command line of ScreenLog.exe, like this

-run "C:\Windows\notepad.exe" **a.txt**

When a user uses this RDP file to connect to the server, it will run ScreenLog.exe the recorder first. Then the recorder will run and record the real program until its ending. All recorded RemoteApp files will have a ".app" extension in their names.

RECORD BY APPLICATION SESSION

Some clients may not wish to record everything. They only want to record specified applications/programs.To do that, the first way is setting the application page in setup, refer to setup chapter.

Another way is setting the recorder to run with the program only. It is exactly the same as recording RemoteApp (please see previous topic).

You need,

- 1, You need to disable the default auto-running of the recorder by using the 'msconfig' tool. So the recorder will run only when you need it.
- 2, You need to pack all as you demanded in one '.bat' file(or any other script or wrapping way). So the user will run this file instead of the original, that each using session of the program shall be recorded.Please read above 'record RemoteApp' part for details

SERVICES

Screen Anytime server editions have 2 services installed on the server, the 'Screen Anytime Service' and 'Screen Anytime HTTP Service'. You can find them on the services list (Control Panel/Administrative Tools/Services).

Screen Anytime Service will create a TCP port to receive uploading records from clients. This port can be set in the 'Server' page of setup. It also creates a UDP port for responding to the request of a local real-time monitor process. This service is installed as an 'auto-start' with the system. So it always runs. The corresponding exe file is 'SASyncService.exe' under the program file folder. If anything wrong with this service, for example, you can use command line to fix problems manually with parameters in following

- '-i', Install service.
- '-u', Uninstall service

The http service will be launched by 'Screen Anytime Service' if the service is enabled in the 'Http service' page of setup. It will create a TCP port, allowing web browsers to visit records on the server remotely. It is an all-in-one HTTP service that does not depend on IIS, so you need do nothing in your IIS or other web services. This service also supports '-l', '-u' parameters in the command line to install/uninstall.

The workstation edition includes only 'Screen Anytime Service' compared to the server edition.

DELAYING

The video you can see in Screen Anytime is not in real time. There is a delay from the event to the time you can play in Screen Anytime. For local recording, the minimal delaying time depends on the buffer inside the program. It normally will be under 10 seconds if kept refreshing. For remote uploaded files, it could be longer depending on network bandwidth. 1-5 minutes for most of the time.

7, TROUBLESHOTS

Recorder says: "Due to user account changes. Current user can not access destination folder."

Check local user accounts, and make sure 'SCR_ANYTIME_USER' exists. Check registry value 'HLM\Software\Stepok\ScreenAnytime\File\UserIDRef' in existence. If not, reinstall Screen Anytime under Administrator account. If it is there, but can not

work, delete user 'SCR_ANYTIME_USER' and run Screen Anytime to create a new user account.

Recorder Says: “The folder of screen records has not been set. Please run Screen Anytime”

Run Screen Anytime, and run 'File-Setup' function to set the folder.

Recorder Says: “Can not write files, and please check the user 'SCR_ANYTIME_USER' to have right of access

Make sure the folder exist, and check the security property of the folder. Make sure user 'SCR_ANYTIME_USER' have 'full controls' including read and writes in this folder and its subfolder.

Can not record contents in media player

It is not a bug. The capture function of recorder is based on GDI, which can not capture some movie scene in media player, rendered by overlap way.

Can not terminate 'ScreenLog.exe' process in 'Task manager'

The recording process is protected by Screen Anytime. You can not terminate it unless Administrator allows users to close it by setting option in 'Screen Anytime-Setup-Privacy'. Administrator can terminate it with function 'Screen Anytime-Item-Stop current recording'.

Can not play movie on web page

The web page version of Screen Anytime uses SWF format to show movie clip. Because the recorded video files are normally huge, it will take time to be converted to SWF format, and more time in downloading. For big files, playing clips is recommended than playing all.

Can not start Screen Anytime

Only Administrator can use this program to configurate and replay.

CPU cost too much

Set FPS in 'Screen Anytime-Setup-Record' page to a lower number if your processor is not powerful enough.

Windows Vista UAC warning

Since running Screen Anytime need Administrator privilege, in Windows Vista, it is marked with a UAC shield, which will show warning every time launching. This is normal.

Any other questions, please visit our forum at:

<http://www.stepok.net/ScrecForum>

8, LICENSING

TRIAL VERSION AND FULL VERSION

The trial version for public evaluation has a trial period of 60 days. To continue using this product after trial days, you need to purchase a license key.

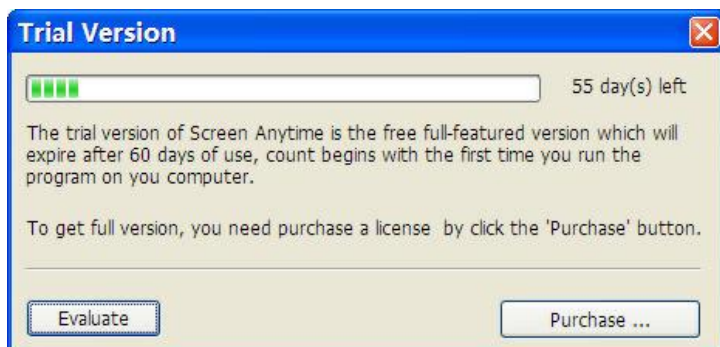


Figure 21: Trial version

If you have purchased a license key, we will send you a link of the full version. You need to download and install it, then enter the key you have purchased to activate the product.

SERVER EDITION AND WORKSTATION EDITION

The following table compares the differences between two editions,

Features	Server Edition	Workstation Edition	Simple Edition	Wk
System		Windows or Windows server		
Licensing	Per server	Per PC	Per PC	must work with server edition
Record&replay	Yes	Yes	Record only	
Settings	All	Most	Most	
Backup&reopen	Yes	No	No	
Centralized server	Yes	No	No	
Http server	Yes	No	No	
Statistics	Yes	No	No	
Monitoring	Yes	No	No	
Price	Contact us			
Purpose	Monitor server	Local	24x7	Monitor whole

Act as server, record and replay company, include works with servers and simple wk everyone edition

Table 2, Comparison between server edition and workstation edition

9, LINKS

Website

<http://www.screen-record.com>

A stepok sub-site of screen recording related products.

Purchase

Server Edition

<https://secure.avangate.com/order/cart.php?PRODS=1435926&QTY=1>

Workstation Edition

<https://secure.avangate.com/order/cart.php?PRODS=1435959&QTY=1>

Server Edition + Simple Wk Editions

Please [contact us](#) for quotation of multiple licenses..

Free Quotation (for more than 1 license)

<http://www.screen-record.com/quotation.htm>

Resellers

<http://www.screen-record.com/Partners.htm>