



Super Reporter

Version 1.0

User Manual

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User Manual



About Cayin

Cayin Technology is established by a group of professionals specializing in development, researches, engineering, and sales/marketing. Cayin devotes itself to providing complete digital signage solutions in various applications, such as transportation, education, retail, hospitality, corporation, financial and public institutions. In order to best facilitate the deployment of Cayin products, we also provide tailored hardware and software services to satisfy customers' demands for almost limitless applications.

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Super Reporter is a professional software package which helps to collect and record logs of every SMP player, and allows administrators to manage these logs afterwards. Super Reporter has to be installed on a Windows PC. Once installed, the PC will become a professional log server.

1. System Requirement

- **Operating System: Windows XP Home/Professional**
- **Display resolution: 1024 x 768 or above**
- **Processor : Intel Pentium III 866 MHz, AMD Athlon 1.0 GHz, or above**
- **Memory: 256MB minimum, 512MB or better is recommended**
- **Hard Disk: 10MB for program and configurations, 20GB for storing log records.**

2. Version & Edition

Super Reporter version 1.0 includes 4 editions – Basic, Intermediate, Advanced, and Premium. A free trial version is also available. The main difference between the 4 editions is the supported project quantity. The following table shows the differences for comparing the 4 editions.

Edition	Project Quantity
Trial (30 days free trial)	1
Basic	1
Intermediate	3
Advanced	10
Premium	256

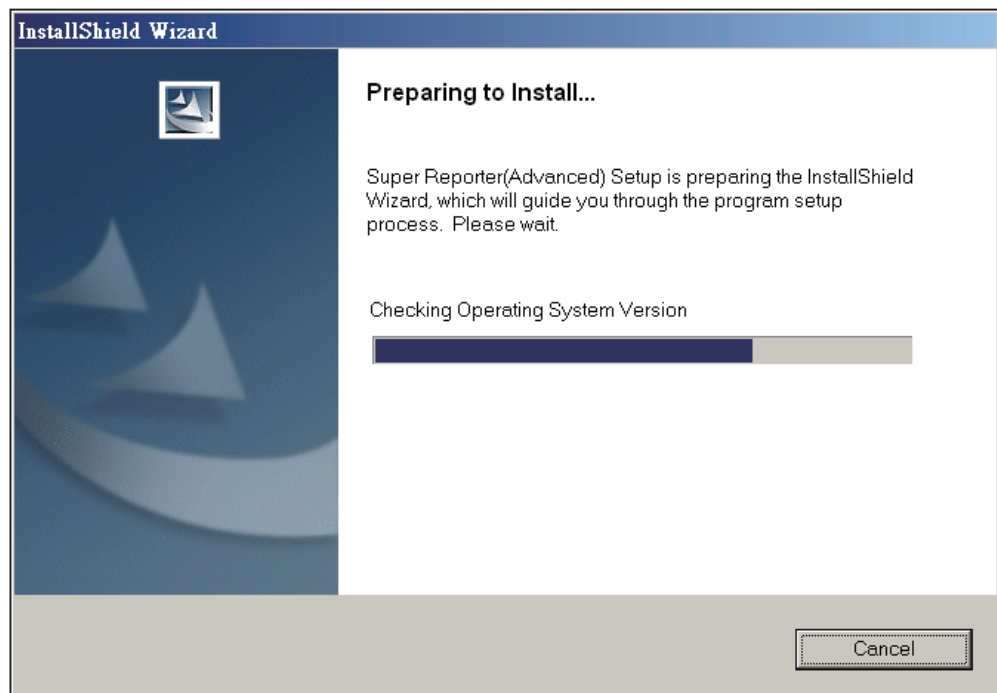
3. Software Installation

NOTE

You can find Super Reporter Trial setup program in folder “\Super Reporter Trial” of CMS or SMP Product CD.

Follow the following steps to install Super Reporter on PC. Make sure the PC meets the system requirements beforehand.

1. Put Super Reporter CD into the CD-ROM of the PC. The installation program will execute automatically.
2. If the Setup program does not execute automatically, browse the CD and click on **Setup.exe** to execute it.
3. Click on **[Next]** after you see the Welcome window.





NOTE

Super Reporter installer copies 3 executable programs to your PC: **log_rcv.exe**, **Cyreport.exe** (Super Reporter), and **cyrm.exe**.

'log_rcv' collects log records via Syslog protocol. It runs under DOS mode. Installer will create a shortcut of log_rcv.exe in 'Start' menu to make this program execute automatically after the system boots up.

'Cyreport.exe' (Super Reporter main program) is a Windows program. It helps to manage projects and log records and generate reports.

'cyrm.exe' is a command-line program. You can generate reports by using it with batch file or Windows schedulers, and send reports via email.

4. Enter Username, Company, and Serial Number, and then click on [Next].

The screenshot shows the 'Customer Information' step of the installation wizard. The title bar reads 'Super Reporter(Advanced) - InstallShield Wizard'. The main heading is 'Customer Information' with the instruction 'Please enter your information.' Below this are three input fields: 'User Name' containing 'BRENDA WANG', 'Organization' containing 'CAYIN', and 'Serial Number' containing 'AB0005' and '5F4F5E'. There are two radio button options for installation scope: 'Anyone who uses this computer (all users)' (selected) and 'Only for me ()'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a dashed border.

5. Give the installation folder path of Super Reporter and click on [Next]. Wait a few seconds until the Setup program finishes.

The screenshot shows the 'Destination Folder' step of the installation wizard. The title bar reads 'Super Reporter(Advanced) - InstallShield Wizard'. The main heading is 'Destination Folder' with the instruction 'Click Next to install to this folder, or click Change to install to a different folder.' Below this is a folder icon and the text 'Install Super Reporter(Advanced) to: C:\Program Files\Cayin\Super Reporter\'. A 'Change...' button is located to the right. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a dashed border.

4. Collecting Logs

1. Appoint Super Reporter PC as SMP's syslog server, (**Log-->Syslog Server**), enter the PC's IP address here, and check log category item 'playback'.

The screenshot shows the 'Web Manager' interface for 'SMP (Signage Media Player)'. The left sidebar contains a menu with the following items: SYSTEM STATUS, PLAYBACK, SKIN MANAGER, MEDIA FOLDER, NETWORK SETTINGS, SYSTEM, and LOG (which is currently selected). Below the menu is an 'APPLY' button. The main content area is titled 'LOG' and contains a 'Log Settings' section. The instructions state: 'Log function helps you to create or read log records. Syslog function allows separate log software to retrieve or further analyze. Select log categories to define the log records you would like to keep in the player or server. Click "View Log" or "Export" to check the log records.' The configuration includes a checked checkbox for 'Enable Syslog' and a text input field for 'Syslog server IP address' containing '61.59.251.129'. Under the 'Category' section, there are five checked checkboxes: 'System', 'Network', 'Media player', 'Playback', and 'Miscellaneous'. At the bottom of the settings area are buttons for 'View Logs' and 'Export'. A 'SAVE' button is also present. The footer of the page contains the text: 'Copyright © Cayin Technology Co., Ltd. All rights reserved. US, TW Patent Pending'.

2. Run 'log_rcv.exe' at the path: **Start-->All Program-->Cayin-->Super Reporter-->Log_rcv**. This will make the system start to collect log records.

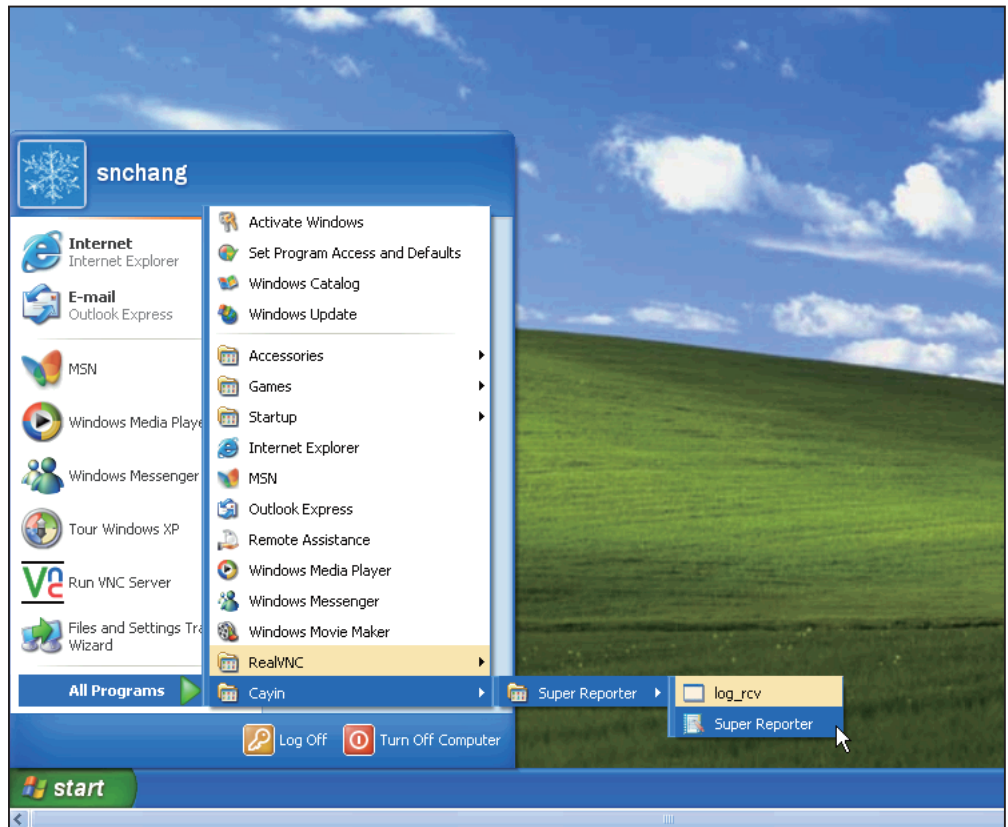


5. Create and Manage Project

5-1 Create Project

Super Reporter only generates reports per project(s), so project(s) have to be created before doing any log and report management. Different editions of Super Reporter allow different manageable project quantities. After the installing procedures, follow the steps to create project(s).

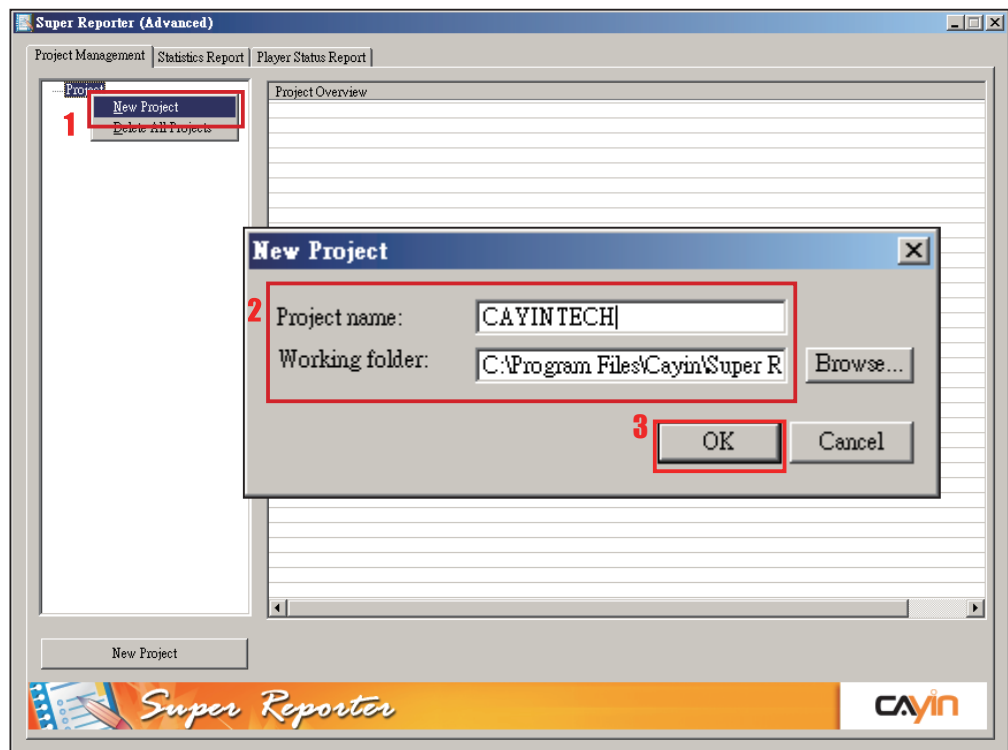
1. Execute Super Reporter at the path: **Start-->All Program-->Cayin-->Super Reporter-->Super Reporter.**



NOTE

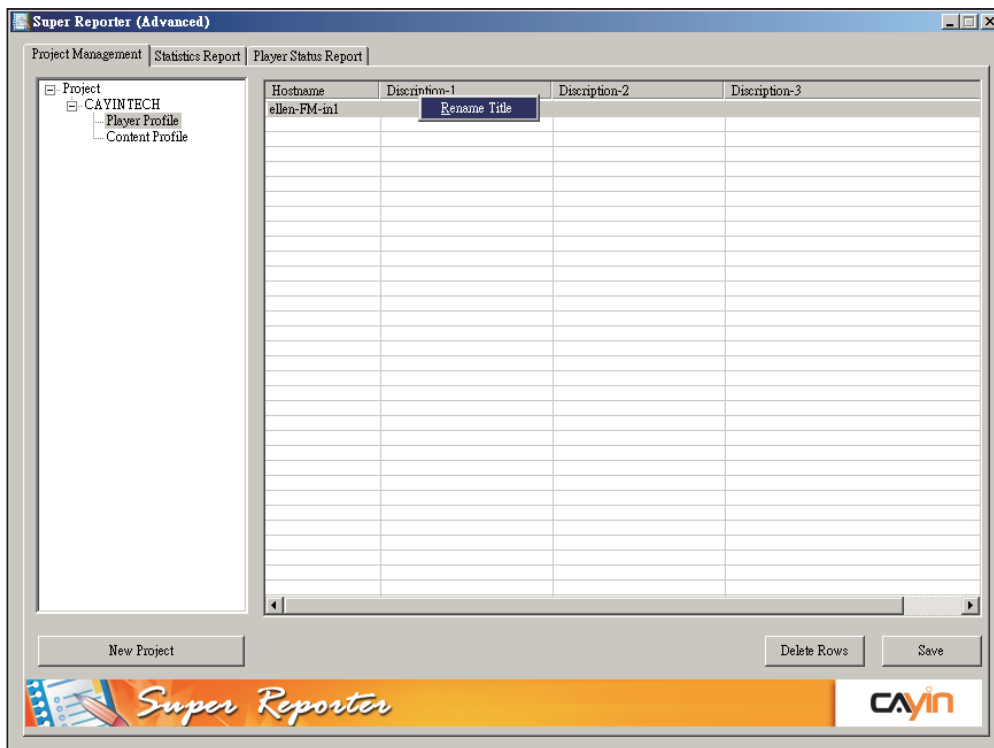
On the same PC, only one log_rcv.exe can be executed at the same time. Using the same working folder on the local computer for all projects is necessary.

2. After Super Reporter starts, choose page **'Project Management'** and click on **[New Project]**. In the dialog box **'New Project'**, enter the name of project. In the dialog box, you also find the path of **'Working folder'**, which has to be the same folder of the program file **'log_rcv.exe'** and is, as default, the same as the location of the path of Super Reporter. Normally it is not necessary to change the default path. If you need to specify another folder, where a log_rcv.exe program must be installed and executed, click on **[Browse...]** then specify it.

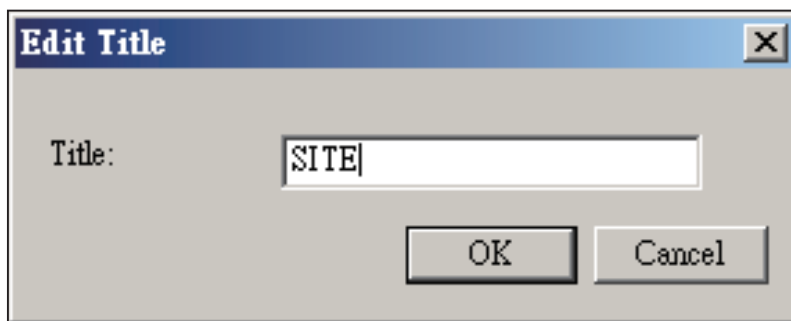


3. Click **[OK]** to confirm the settings.

2. You can add at most three description fields to help you identify players. Use mouse and right click title of the field ‘Description-x’, then choose ‘Rename Title’. However, this is optional.

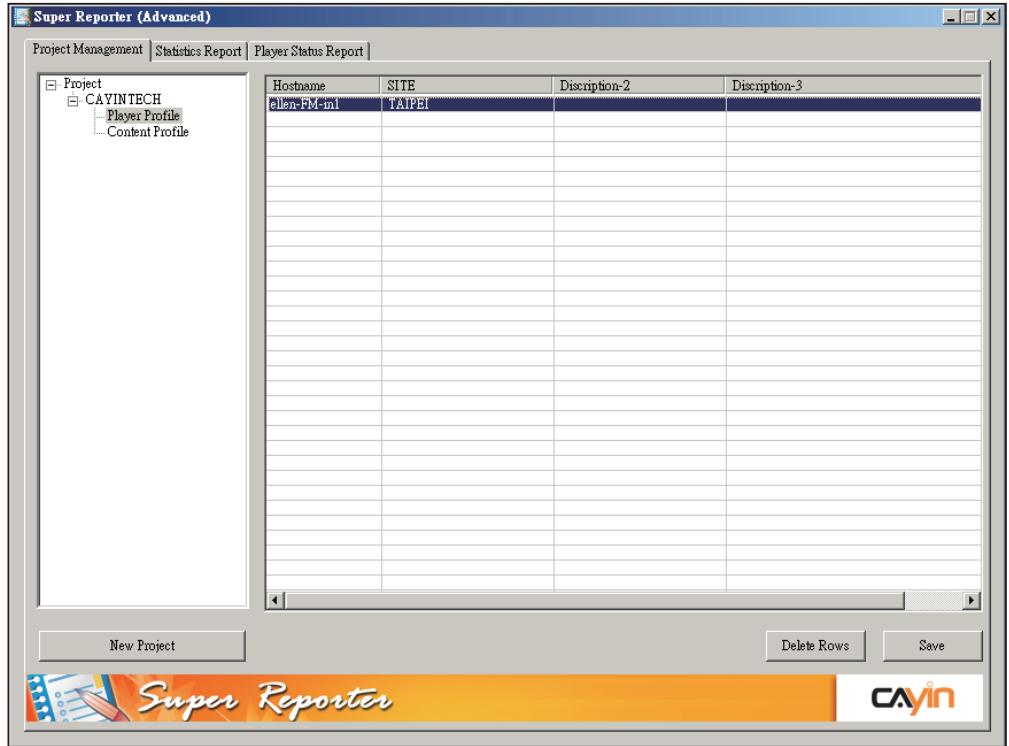


3. At ‘Edit Title’ dialog-box, enter a new name of description field (eg. Location).





4. Similar to hostname field, you can start to enter the description of the field by double clicking on the field. Click **[Save]** after finishing editing.

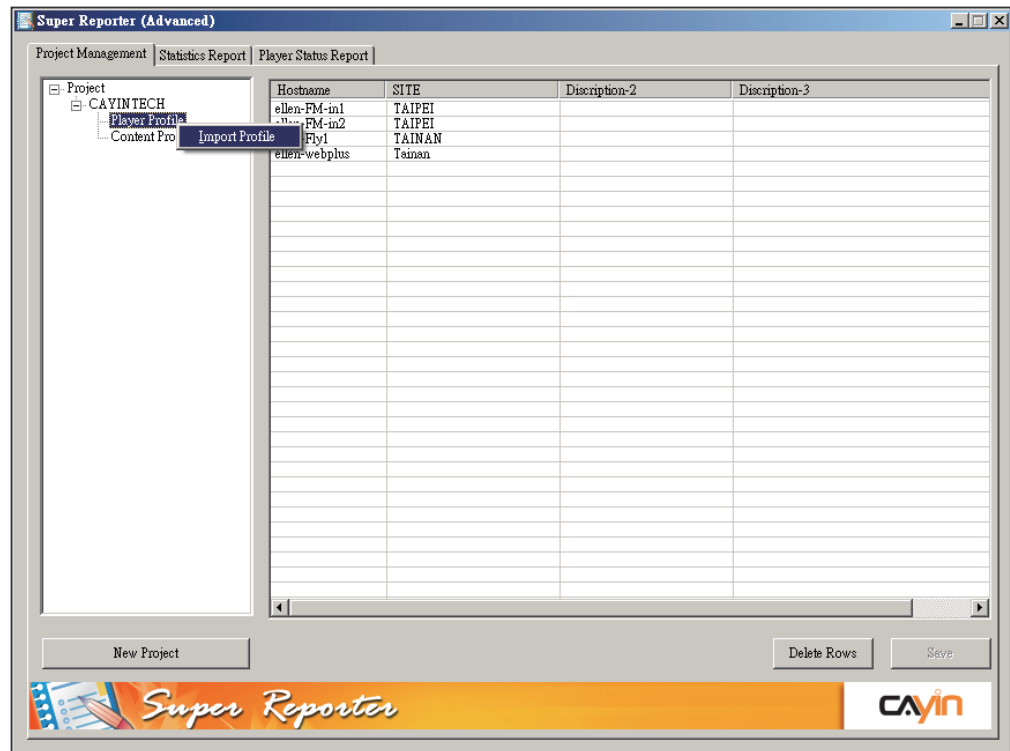


5-3 Import Player Profile

You can also choose to add player profiles from Cayin's Super Monitor by '**Import Profile**' command. You must export the player profile from Super Monitor first. Please refer to Super Monitor's User Manual for the '**Export**' function.

Please follow below steps to import player profiles to Super Reporter.

1. Right click on project's Client Profile node.
2. Select "Import Profile".



3. Choose an '.ini' file that is exported from Super Monitor, then click [Open].
4. You can choose either [Replace] to replace current players with new players or [Merge] to add new players and replace identical players.



NOTE

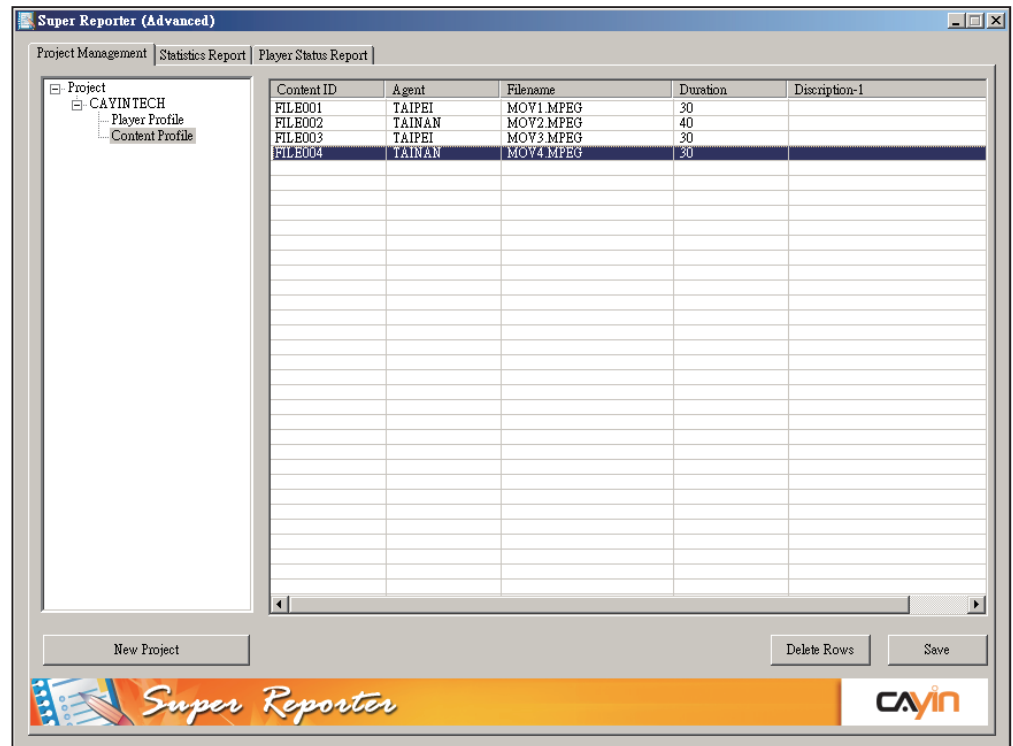
Super Reporter can only create statistics for playback items with 'Billing' logs as follows:

- a. SMP-PRO series: items of multimedia and image slideshow.
- b. SMP-WEB series: items of web play-list and embedded video in HTML items.

5-4 Add and Manage Content Profile

Super Reporter needs content file information to generate statistic reports. For each content file, you should enter its content ID, agent, and filename in Content Profile fields.

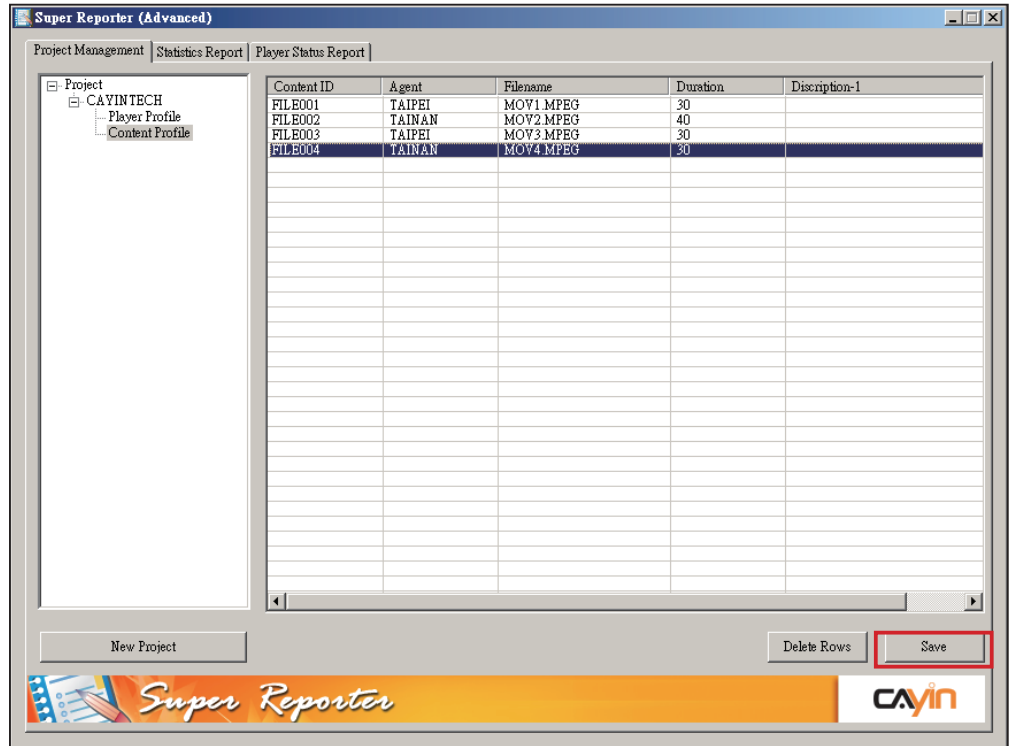
1. Click on tree node '**Content Profile**'. You can see the fields on the right.
2. Double click on field '**Content ID**', and enter an ID according to your own rule. However, each Content ID must be unique.
3. Enter '**Agent**' field, if you want your content files to be grouped for later easier production of reports. In '**Statistic Report**', content files will be grouped by each individual '**Agent**'. You can leave this field blank, if you don't need it.
4. Enter filename of content (e.g. '**MOV1.MPGE**' or '**MOV1**'). Super Reporter uses this filename to trace playing and billing records in collected logs. You can omit file extension (e.g. '**.mpg**') here.



NOTE

If you leave this field blank, Super Reporter uses the actual playback time to calculate the duration. Due to the unavoidable program execution error, actual playback time may have little difference each time.

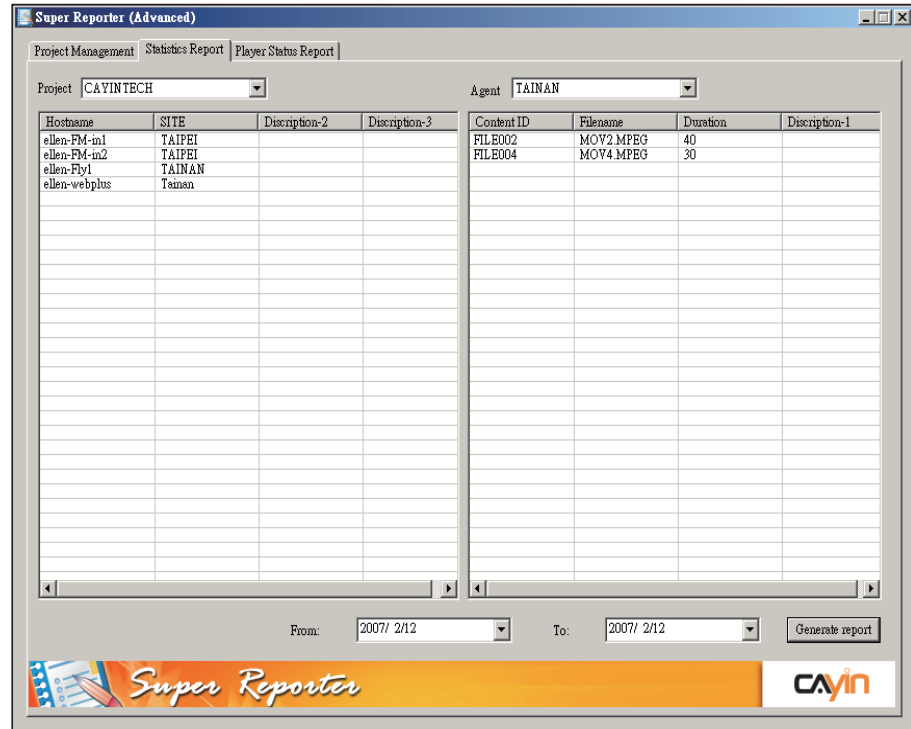
5. Enter playback duration (by seconds) of multimedia files. For example, a video file playback time is 10 seconds, enter 10 here.
6. Click **[Save]** to commit all changes.





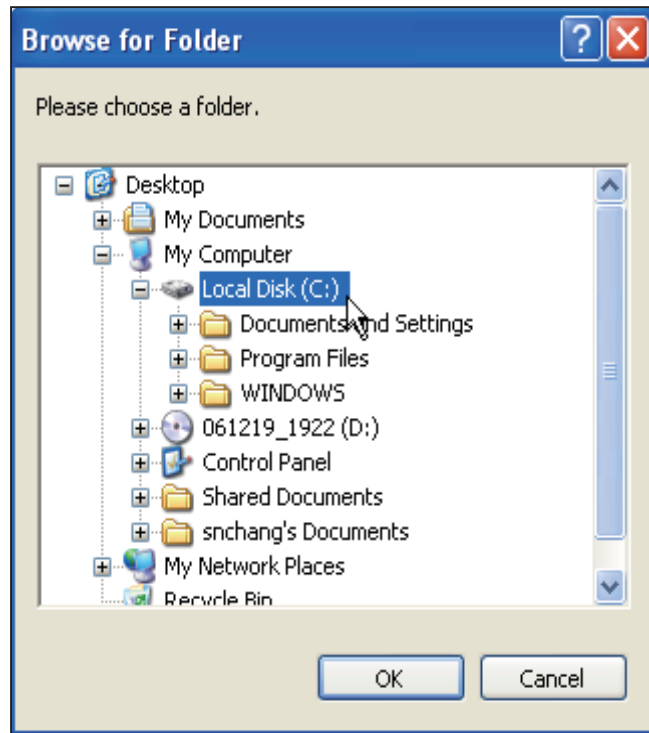
6. Statistics Report

You can generate detailed playback lists and statistics per project by using Statistics Report.



Follow the steps to generate a statistics report.

1. Click on **'Statistics Report'** page, and choose a project on the left menu and an agent on the right menu.
2. Choose a player(s) on the left window and a content file(s) on the right window. If you select nothing on the left or right window, it means you want to generate reports for all players or all content files.
3. Select report's start date at **'From'** menu and end date at **'To'** menu, and then click on **[Generate report]**. You will be asked to choose a folder to save the generated report files.



4. Super Reporter will generate several files. **'report.txt'** is a statistics file of multimedia playback per day and host. The file with **'Content ID.xls'** shows the playback details of content files.

From	2006 November 01 LD-00015(LD-00015)	To	2006 December 11 Kkbox		
2006 November 01	count:	2716	duration:	81480	
2006 November 02	count:	2794	duration:	83820	
2006 November 03	count:	2793	duration:	83790	
2006 November 04	count:	2746	duration:	82380	
2006 November 05	count:	2748	duration:	82440	
2006 November 06	count:	2783	duration:	83490	
2006 November 07	count:	2738	duration:	82140	
2006 November 08	count:	2685	duration:	80550	
2006 November 09	count:	2715	duration:	81450	
2006 November 10	count:	2692	duration:	80760	
2006 November 11	count:	2712	duration:	81360	
2006 November 12	count:	2697	duration:	80910	
2006 November 13	count:	2596	duration:	77880	
2006 November 14	count:	2560	duration:	76800	
2006 November 15	count:	2667	duration:	80010	
2006 November 16	count:	2702	duration:	81060	
2006 November 17	count:	2601	duration:	78030	
2006 November 18	count:	2635	duration:	79050	
2006 November 19	count:	2431	duration:	72930	
2006 November 20	count:	2297	duration:	68910	
2006 November 21	count:	2579	duration:	77370	
2006 November 22	count:	2642	duration:	79260	
2006 November 23	count:	2634	duration:	79020	
2006 November 24	count:	2489	duration:	74670	
2006 November 25	count:	2421	duration:	72630	
2006 November 26	count:	2448	duration:	73440	



7. Player Status Report

Assuming that successful log receiving represents normal functioning of the SMP players, Super Reporter can also display connected SMP players' status of a specific project and date by monitoring their log receiving status.

1. Select project, date (today as default), and **'Status Period'**.
2. You can check the Log receiving status in the window. If Super Reporter receives player's log records normally, it will display green sign in front of the hostname. If Super Reporter cannot receive an SMP player's log record within the time duration of **'Status Period'**, it will regard the player's status abnormal and display warning sign in front of the hostname. Such abnormal status may be caused due to network problems, or malfunction or shutdown of SMP players. You should proceed to verify the problems and solve them. All SMP players' status will be shown below as a summary in the window of **'Connection Summary'**.

Status	Hostname	Log Time	SITE	Discription-2	Discription-3
●	ellen-FM-in1	18:51:17	TAIPEI		
▲	ellen-FM-in2		TAIPEI		
▲	ellen-Fly1		TAINAN		
▲	ellen-webplus		Tainan		

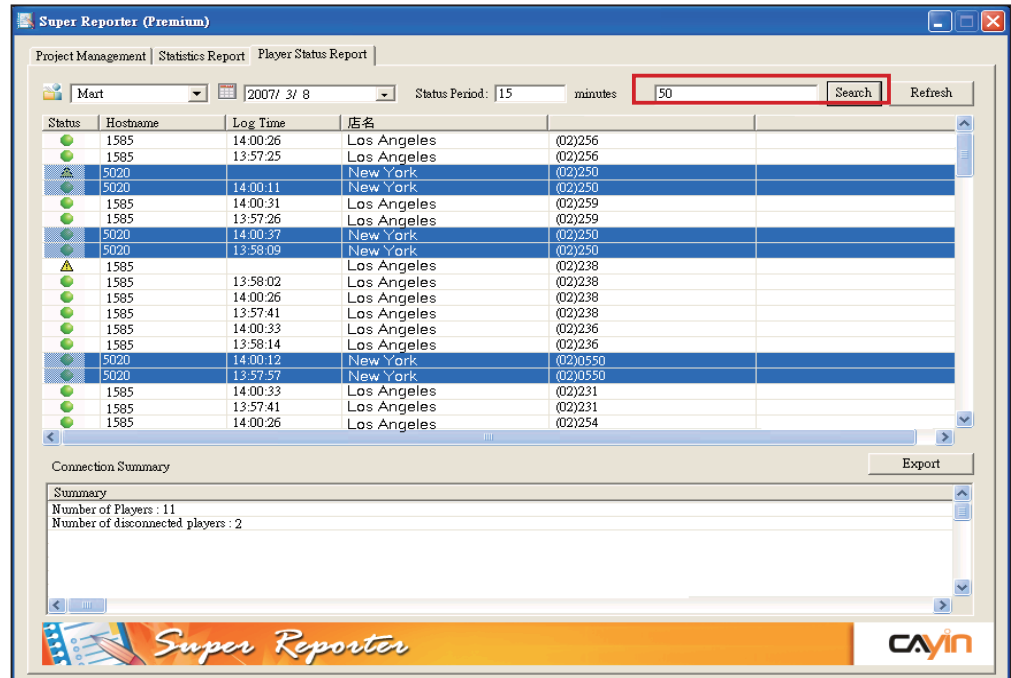
Connection Summary Export

Summary
Number of Players : 4
Number of disconnected players : 3
Disconnected player 1 : ellen-FM-in2 TAIPEI
Disconnected player 2 : ellen-Fly1 TAINAN
Disconnected player 3 : ellen-webplus Tainan

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7-1 Search for Players

If you want to search for a specific player(s) with a keyword of hostname or description, please enter the keyword in the field and click on **Search**. The search result will be shown with blue color bar(s).



The screenshot displays the Super Reporter (Premium) interface. At the top, there are tabs for 'Project Management', 'Statistics Report', and 'Player Status Report'. Below the tabs, there is a search bar with a dropdown menu set to 'Mart', a date selector for '2007/ 3/ 8', a 'Status Period' of '15 minutes', and a search input field containing '50'. A red box highlights the search input field and the 'Search' button. Below the search bar is a table with columns: Status, Hostname, Log Time, 店名, and a fifth column with values like (02)256. The table contains 11 rows, with the first two rows highlighted in blue. Below the table is a 'Connection Summary' section with an 'Export' button. The summary shows: 'Summary', 'Number of Players : 11', and 'Number of disconnected players : 2'. At the bottom of the window, there is a 'Super Reporter' logo and the 'CAYIN' logo.

Status	Hostname	Log Time	店名	
●	1585	14:00:26	Los Angeles	(02)256
●	1585	13:57:25	Los Angeles	(02)256
●	5020		New York	(02)250
●	5020	14:00:11	New York	(02)250
●	1585	14:00:31	Los Angeles	(02)259
●	1585	13:57:26	Los Angeles	(02)259
●	5020	14:00:37	New York	(02)250
●	5020	13:58:09	New York	(02)250
▲	1585		Los Angeles	(02)238
●	1585	13:58:02	Los Angeles	(02)238
●	1585	14:00:26	Los Angeles	(02)238
●	1585	13:57:41	Los Angeles	(02)238
●	1585	14:00:33	Los Angeles	(02)236
●	1585	13:58:14	Los Angeles	(02)236
●	5020	14:00:12	New York	(02)0550
●	5020	13:57:57	New York	(02)0550
●	1585	14:00:33	Los Angeles	(02)231
●	1585	13:57:41	Los Angeles	(02)231
●	1585	14:00:26	Los Angeles	(02)254



7-2 Export Connection Summary

By using the following steps, you can generate and export 'Connection Summary' of specific date and project.

1. Click 'Player Status Report' page, and select a project and a date.
2. Click [Export] to export and save the connection summary.

The screenshot shows the 'Super Reporter (Advanced)' application window. The 'Player Status Report' tab is active. The interface includes a navigation bar with 'Project Management', 'Statistics Report', and 'Player Status Report'. Below this, there are dropdown menus for 'CAVINTECH' and '2007/ 2/12', a 'Status Period' field set to '1 minutes', and a search box containing 'smp-pro2'. A table displays player status data:

Status	Hostname	Log Time	SITE	Discription-2	Discription-3
●	ellen-PM-in1	18:51:17	TAIPEI		
▲	ellen-PM-in2		TAIPEI		
▲	ellen-Fly1		TAINAN		
▲	ellen-webplus		Tainan		

Below the table is a 'Connection Summary' section with an 'Export' button highlighted in a red box. The summary text reads:

Summary
Number of Players : 4
Number of disconnected players : 3
Disconnected player 1 : ellen-PM-in2 TAIPEI
Disconnected player 2 : ellen-Fly1 TAINAN
Disconnected player 3 : ellen-webplus Tainan

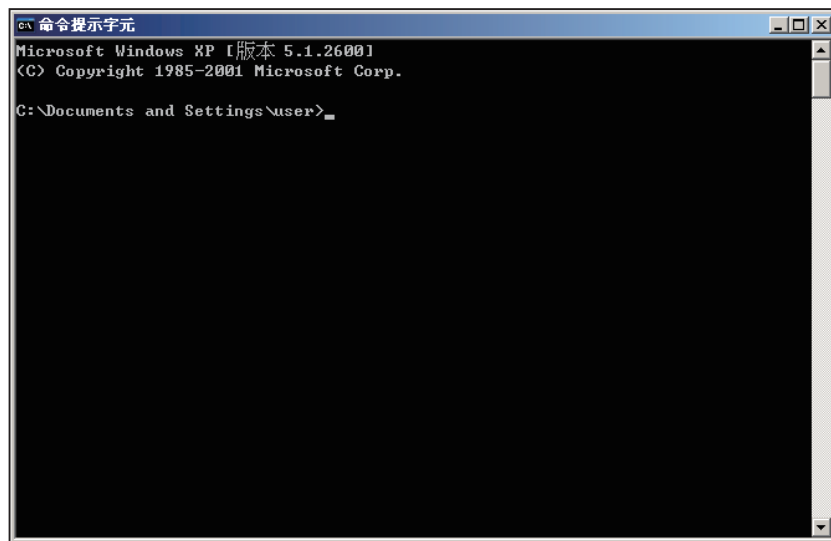
The footer of the application features the 'Super Reporter' logo and the 'CAVIN' brand name.

8. Generate Report by Command-line

‘**cyrm.exe**’ is a program, which generates reports by DOS command-line. Incorporating with batch files or Windows Schedulers, Super Reporter can automatically send reports daily or weekly. The following table includes the parameters that you need to configure by command-line while using ‘cyrm.exe’.

8.1 Use cyrm.exe and parameters

1. Open DOS command-line window. Select ‘**Start-->All Programs-->Accessories-->Command Prompt**’.



2. Execute (example): “**C:\program files\cayin\super reporter\cyrm.exe**” parameter1 parameter2.....

Example:

On February 1st, if you want to generate a report of project ‘site-taipei’ including data from January 1st to January 31st and also send it to marketing staff and save a copy into your PC, the command can be issued as the follows:

```
cyrm -l -c -d 31 -i -p site-taipei -o e:\test -m marketing@your-company.com -s smtp.your-company.com -u username;password
```

NOTE

You have to execute the command at the same path as cyrm.exe



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Parameters	Example	Description
-p "project name"	-p "Taipei Project"	Name of project
-m recipient1;recipient2;...	-m user1@yourcompany.com	Recipients' email address. Use semicolon, " ; ", to separate them if several.
-o "path to save a copy of report"	-o c:\report	[Optional] Folder to save a copy of report. This folder should be an existing one.
-s "smtp server"	-s smtp.yourcompany.com	SMTP server IP or domain name
-u username;password	-u mis;mis_password	[Optional] If SMTP server needs username and password for sending email, include them here.
-t "Email subject"	-t "Weekend Report"	[Optional] Email subject
-l	-l	Generate 'Player Status Report'
-e [n minutes]	-e 15	[Optional] Specify 'Status Period'. It must be used with '-l'together.
-c	-c	Generate statistics report
-d [n days]	-d 5	Generate statistics report including data from 'n' days ago to today. If today is March 10th and given -d 5 here, the program will generate a report including data from March 5 th to 10 th, for totally "n+1" days.
-i	-i	[Optional] While using parameter -d, adding -i will make the report except today in it. For the above example, if you use '-d 5 -i', the report will include data from March 5th to 9th for totally "n" days.

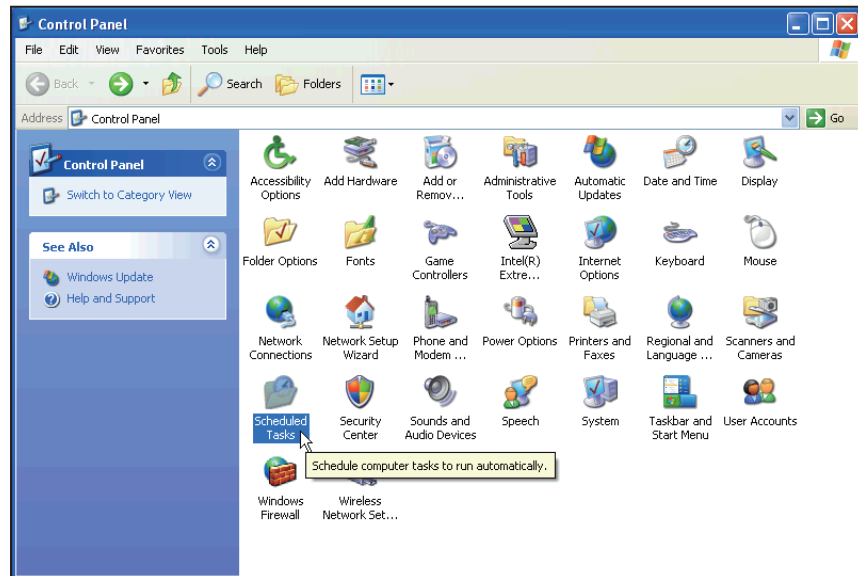
8.2 Use 'cym.exe' with Windows Scheduled Tasks

NOTE

"Windows Scheduled Tasks" is a tool that you can schedule any scripts, program, or document to run at a time that is most convenient for you. Scheduled Tasks starts every time you start Windows XP and runs in the background, and it starts each task that you schedule at the time that you specify when you create the task

Windows Scheduled Tasks and 'cym.exe' can be incorporated with Super Reporter to automatically and periodically generate reports.

1. In Windows Control Panel, run '**Scheduled Task-->Add Scheduled Task**'.

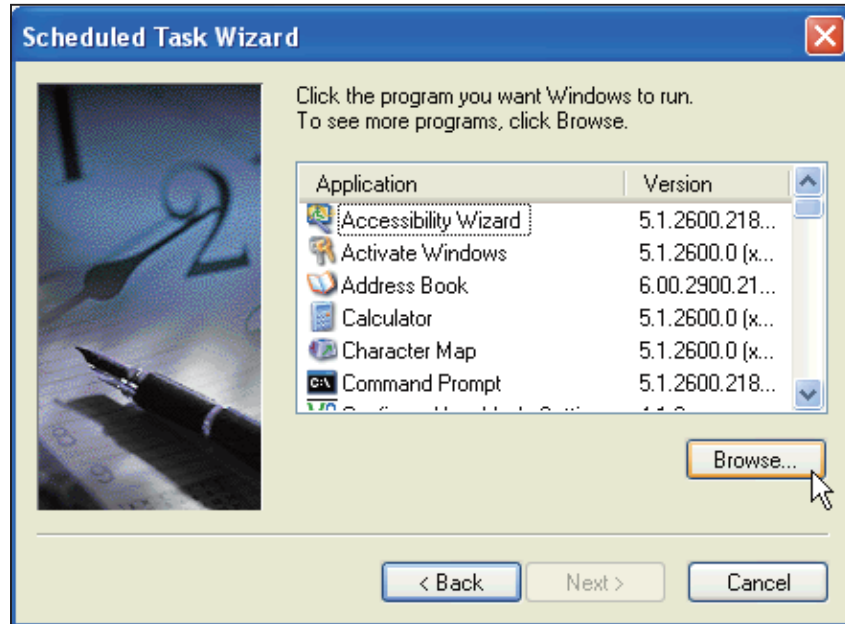


2. Double click on [New Task].

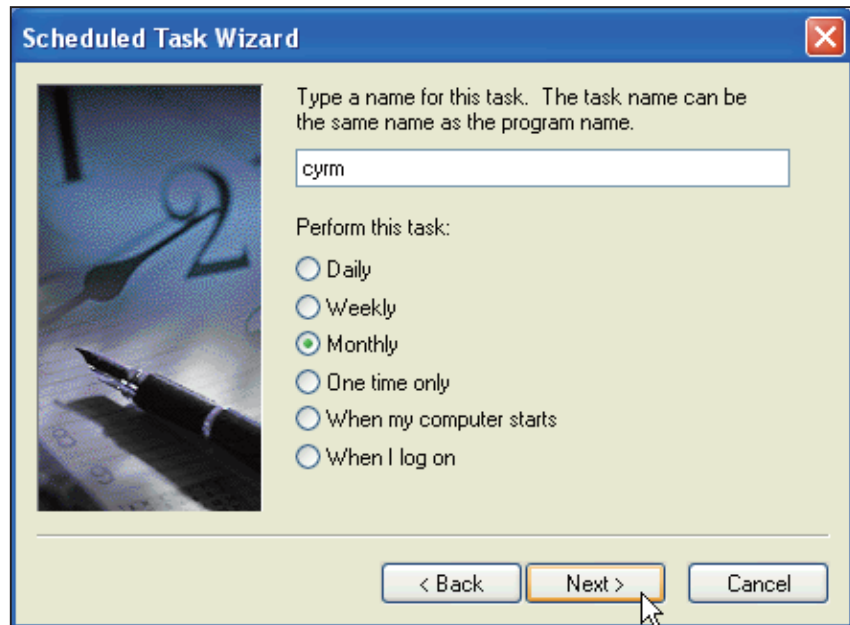




3. Click on **[Browse]** to locate 'cym.exe'.



4. Enter a task name, click **[Next]**.



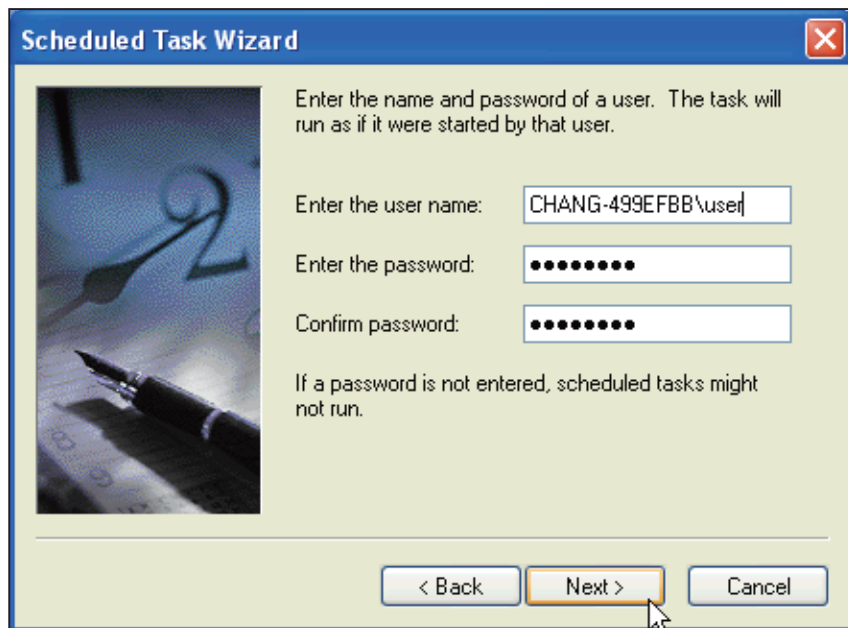
5. Specify a schedule here.



NOTE

A password is required for the Windows account access. Otherwise, Windows Scheduler may not work.

6. Enter your Windows username and password here.

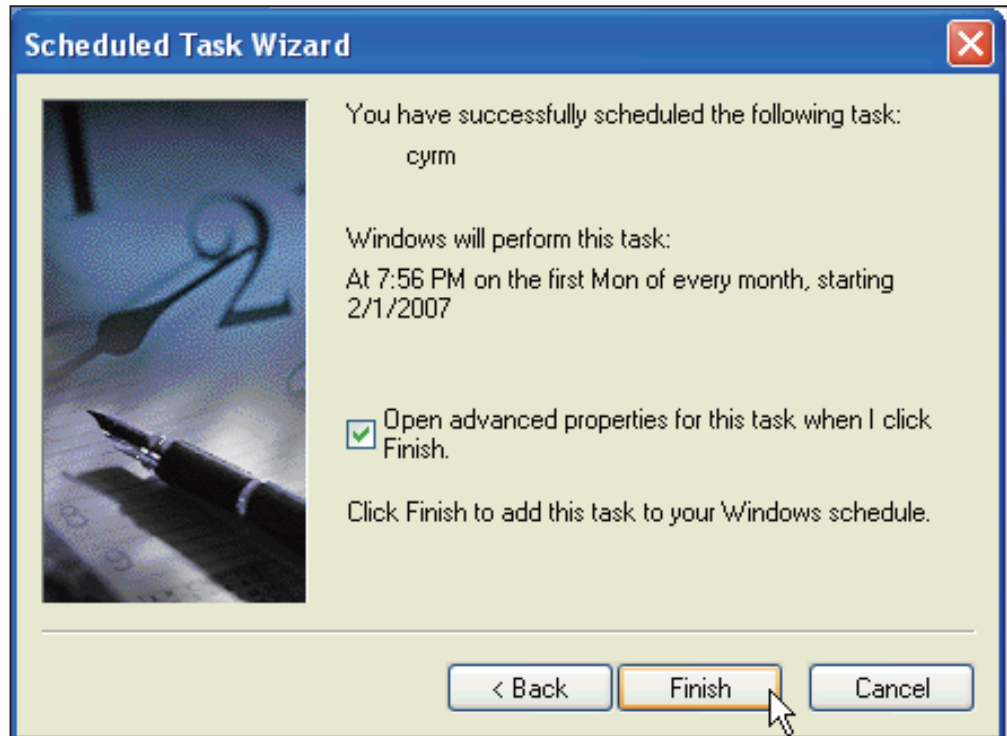




7. Check on 'Open advanced properties for this task when I click Finish' and click on 'Finish'.

NOTE

You can write a "batch file" to execute multiple tasks. Assign Windows Scheduler to execute this batch file at a specific time; then Super Reporter will generate reports automatically.



8. In the advanced dialog window, enter the "cyrm.exe" file in the 'Run' field (Task=>Run). Click [OK] to complete the setting of the task.

