

# MEDIALON N



## MEDIALON **SCHEDULER**

Scheduling Software For Show & Media



# **MEDIALON SCHEDULER**

## **SCHEDULING SOFTWARE FOR SHOW & MEDIA**

### **User Manual**

Medialon  
101 rue Pierre Sépard  
F92324 Châtillon Cedex France  
Tel: +33 (0)1 46 55 60 70  
Fax: +33 (0)1 46 55 54 83

Medialon Inc.  
2977 McFarlane Road, Suite 301  
Miami, FL 33133, USA  
Tel: +1 305 445 4045  
Fax: +1 305 445 4048

support@medialon.com  
[www.medialon.com](http://www.medialon.com)

# **FINAL USER'S LICENSE AGREEMENT FOR MEDIALON SOFTWARE & PLUG-IN**

**IMPORTANT - READ ATTENTIVELY:** By loading and installing the software on your computer, you indicate your acceptance of the following Final User's License for Medialon Software & Plug-In product (the "License Agreement") which is either: (i) printed on a licence card with the software; (ii) on-line in the software application. If you do not agree to the terms of this License Agreement, for a full refund, promptly return this product to the place you obtained it.

The License Agreement is entered into between you (the final user, a legal entity or natural person), and Medialon, 101 rue Pierre Séward, 92324 Chatillon Cedex France, SA with a capital of 311 538 € registered at Nanterre RCS B 383 966 009 00029, and concerns the aforementioned software product, any attached add-in software, the documentation in electronic format and any example or educational software (the "Software").

You shall inform all authorized users of the Software of the terms and conditions of this Agreement.

## **License granting**

The Software is protected by Intellectual Property Right, copyright law and by international agreements. Any partial or total reproduction or distribution of the Software, by any means whatsoever, is strictly prohibited. Any person not respecting these provisions shall be guilty of the crime of forgery and shall be liable to the penal penalties provided for by law.

The Software is not sold but transferred under license. You are authorized to install, use, run ONE copy of the Software on ONE computer. If you use a network server, you can install one copy of the Software on it, but you must acquire a user's license for each distinct customer computer using the Software. You are not authorized to use the Software for shared work time or on behalf of a third party.

All other rights not expressly granted in the present contract are reserved by MEDIALON SA, in particular the present contract grants you no right in relation to the service or trade mark belonging to MEDIALON SA. MEDIALON SA is the sole holder of the right to make any and all required corrections to the Software in order to comply with the Software documentation.

Save as otherwise provided by law, you are not authorised to reconstitute, reverse engineer, to de-compile or disassemble the Software product

If the software product is an update, you must, in order to use it, be the holder of a user's license for the original product. An update replaces the product that gave you the right to the update.

The original holder of the license for the software product is only authorized to transfer this contract once and permanently, to another end user provided that he provides written notice to MEDIALON SA and the recipient agrees to be bound by and subject to the terms and conditions of this Agreement. This transfer must include all the software elements including without limitation the most recent update and all prior versions, electronic and paper documents and the certificate

of authenticity.

## **Copyright**

All ownership rights and copyrights relating to the Software, any attached add-in software, the documentation in electronic or paper format and any other example or educational applications are proprietary of MEDIALON SA. MEDIALON SA retains all title and ownership of the Software and Software Documentation. All intellectual property rights relating to the APIs and contents to which the product can give access are proprietary of the respective owners of these APIs and contents, and can be protected by regulations and international agreements relating to copyrights and intellectual property rights.

## **Limited warranty**

MEDIALON SA warrants that the magnetic media on which the Software is recorded and any Software Documentation will be free from defects in material and workmanship under normal use for a period of one (1) year from first date of purchase (date of invoice). MEDIALON SA also warrants that the original copy of the Software will perform substantially in accordance with the accompanying Software documentation for one (1) year from the date of receipt.

MEDIALON SA does not warrant that the functions contained in the Software will meet your all requirements or that the operation of the Software will be error free or uninterrupted.

Your exclusive remedy for breach of MEDIALON SA warranty shall be (i) in case of defects in the media, the replacement by MEDIALON SA of any magnetic media not meeting the warranty and (ii) in case of any defect in the Software, MEDIALON SA shall use reasonable efforts to provide maintenance, modifications or fixes in a timely manner, or at its option replace the Software, provided the Software is returned with a copy of your receipt. This limited warranty is void if failure of the Software has resulted from accident, abuse, alteration or misapplication. Any replacement Software will be warranted for the remainder of the original warranty period two (2) months, whichever is longer.

MEDIALON SA is not responsible for problems caused by changes in, or modifications to, the operating characteristics of any computer hardware or operating system for which the Software or any upgrade or update is procured, nor is MEDIALON SA for problems which occurs as a result of the use of the Software in conjunction with software of third parties or with hardware which is incompatible with the operating system for which the Software is being procured.

## **Infringement**

MEDIALON SA, at its own expense, will indemnify and defend you against any action brought against you to the extent that it is based on a claim that the Software or any upgrade or update of the Software used within the scope of this Agreement infringes any French patent or copyright provided that MEDIALON SA is promptly notified in writing of such claim. MEDIALON SA shall have the right to control the defense of all such claims, lawsuits, and other proceedings. In no event may you settle any such claim, lawsuit, or proceeding without MEDIALON SA's prior written approval. MEDIALON SA shall have no liability for any claim under this section if a claim for a French patent or copyright infringement is based on the use

of a superseded or altered version of the Software if such infringement would have been avoided by use of the latest unaltered version of the Software made available to you, or in the event such claim is based upon any modification or enhancement to the Software made by you or on your behalf. In the event a third party infringement claim is sustained in a final judgment from which no further appeal is taken or possible, or if your use of the Software is enjoined by a court, then MEDIALON SA shall, in its sole election and at its expense either (i) procure for you the right to continue to use the Software pursuant to this Agreement; (ii) replace or modify the Software to make it non-infringing; or if (i) and (ii) are not reasonably feasible, (iii) terminate this Agreement and refund to you the depreciated value of the Software, based on straight line depreciation over a period of 5 years. The foregoing obligations state MEDIALON SA's entire liability and your exclusive remedy of and MEDIALON SA shall have no other liability or obligation with respect to any actual or alleged infringement of any intellectual property rights under this Agreement

### **Limitation of liability**

MEDIALON SA's entire liability to you or another party for any loss or damage resulting from any claims, demands or actions arising out of this Agreement shall not exceed the license fee paid to MEDIALON SA for the Software ("License Fee"), net of dealer or distributor margins, notwithstanding any failure of essential purpose of any limited remedy.

### **No other warranties**

Except for the express warranty provided under heading Limited Warranty above, the Software and its related documentation are provided "As Is" and without a warranty of any kind, whether express, implied, statutory and MEDIALON SA specifically disclaims the implied warranties, terms or conditions of merchantability, non-infringement and fitness for a particular purpose.

### **No liability for consequential damages**

ACCORDING TO DANGEROUSNESS OF CERTAIN KIND OF EQUIPMENTS WHICH CAN BE CONTROLLED BY THE SOFTWARE, THE LIABILITY OF MEDIALON SA IS SUBMITTED TO THE STRICT COMPLIANCE WITH THE MANDATORY SAFETY RULES AS DESCRIBED INTO THE SOFTWARE DOCUMENTATION.

Save as otherwise provided by law, in no event and more particularly in case of breach of the safety rules as described into the Software documentation, shall MEDIALON SA be held liable for any special, indirect or accessory damage, of any nature whatsoever, including without limitation body or material injury, loss of profit, interruption of activity, loss of information or other pecuniary losses which may result from the use or the impossibility to use the Software, and this even if the company MEDIALON SA has been notified of the possibility of such prejudice.

### **Termination**

This Agreement is effective until terminated. This Agreement will terminate if you fail to comply with any provision of the Agreement. Upon termination, you shall destroy all copies of the Software, including security keys and modified copies, if any.

## **Maintenance and support**

Maintenance, including the provision of upgrades and updates to the Software, and telephone support is available from MEDIALON SA only through a maintenance plan. Updates and upgrades are not available separately.

## **General provisions**

If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.

This Agreement shall be interpreted and construed in accordance with the laws of France. Any dispute arising out of this Agreement shall be submitted to Paris Commercial Court (Tribunal de Commerce de Paris).

MEDIALON SA  
101 rue Pierre Sépard  
92324 Châtillon Cedex  
France

[www.medialon.com](http://www.medialon.com)



# Table of Content

<b>Table of Content</b> . . . . .	<b>9</b>
-----------------------------------	----------

## INTRODUCTION

<b>Schedules for Show &amp; Media</b> . . . . .	<b>15</b>
-------------------------------------------------	-----------

<b>Overview of Medialon Scheduler.</b> . . . . .	<b>17</b>
--------------------------------------------------	-----------

Main Features . . . . .	.17
Calendar . . . . .	.17
Schedules. . . . .	.17
Administration. . . . .	.17
Redundancy . . . . .	.17
Concept and Architecture . . . . .	.18
Medialon Scheduler Objects and Interactions . . . . .	.19
Calendar and Schedule Organization . . . . .	.19
Schedule Event . . . . .	.19
Medialon Scheduler License Options . . . . .	.20
Medialon Scheduler Solo. . . . .	.20
Medialon Scheduler Multi . . . . .	.20
Medialon Scheduler Installation. . . . .	.21

## MEDIALON SCHEDULER SERVER

<b>Installation of Scheduler Server</b> . . . . .	<b>25</b>
---------------------------------------------------	-----------

Software Installation . . . . .	.25
---------------------------------	-----

<b>Scheduler Server Runtime Modes</b> . . . . .	<b>27</b>
-------------------------------------------------	-----------

Windows Service . . . . .	.28
Console Application . . . . .	.30
Console Commands . . . . .	.30

## MEDIALON SCHEDULER CLIENT

<b>Installation of Scheduler Client</b> . . . . .	<b>35</b>
---------------------------------------------------	-----------

Software Installation . . . . .	.35
---------------------------------	-----

<b>Medialon Scheduler Client Interface.</b> . . . . .	<b>37</b>
-------------------------------------------------------	-----------

Medialon Scheduler Server Connection. . . . .	.37
User Access . . . . .	.38
Editor. . . . .	.38
Viewer . . . . .	.38
Administrator . . . . .	.38
Medialon Scheduler Client Main Window. . . . .	.39

<b>Scheduler Server Configuration . . . . .</b>	<b>41</b>
Server Modes . . . . .	42
Stand Alone Server . . . . .	42
Redundancy Mode . . . . .	42
Folders . . . . .	42
Calendar and Schedule Folder . . . . .	42
Auto Reload When Files Changes . . . . .	42
Log Folder . . . . .	43
Targets . . . . .	43
Passwords . . . . .	44
Date/Time . . . . .	45
Day Rollover Hour . . . . .	45
Time Source . . . . .	45
Miscellaneous . . . . .	45
Primary Server Settings . . . . .	46
Secondary Server Settings . . . . .	47

<b>Scheduler Client Configuration . . . . .</b>	<b>49</b>
Themes . . . . .	49
Date Format . . . . .	50
Action Confirmation . . . . .	50

## SCHEDULES PROGRAMMING

<b>The Schedules . . . . .</b>	<b>53</b>
Schedules Creation . . . . .	54
Schedules Edition . . . . .	55
Schedule Tab Overview . . . . .	55
Schedule Tab Command Bar . . . . .	55
Schedule Tab Events List . . . . .	58
Schedule Event . . . . .	58
Inserting a New Event . . . . .	58
Event Edition . . . . .	59

<b>The Calendar . . . . .</b>	<b>63</b>
Definition . . . . .	63
Calendar Views . . . . .	63
Calendar Month View . . . . .	64
Calendar Week View . . . . .	64
Calendar Day View . . . . .	65
Calendar List View . . . . .	66
Calendar Entries . . . . .	66
Creating Calendar Entries . . . . .	66
Editing Calendar Entries . . . . .	67
Calendar Entry Management . . . . .	68

## SCHEDULER EVENTLOG

<b>The Logs . . . . .</b>	<b>71</b>
Schedule Logs . . . . .	71
System Logs . . . . .	74
Client Logs . . . . .	80

## ANNEXES

<b>Scheduling Medialon Manager . . . . .</b>	<b>83</b>
Medialon Manager Setup . . . . .	.85
Manager On Network Settings . . . . .	.85
Manager Server Port . . . . .	.85
Option . . . . .	.86
Medialon Manager User Groups . . . . .	.87
User Group Creation . . . . .	.87
Sub Group Creation . . . . .	.87
Adding Object to User Groups . . . . .	.87
Share Objects . . . . .	.88

## REFERENCES

<b>Scheduler Client Menus . . . . .</b>	<b>91</b>
File Menu . . . . .	.91
Help Menu . . . . .	.92
<b>Keyboard Shortcuts . . . . .</b>	<b>93</b>
<b>Action on Double Click . . . . .</b>	<b>94</b>
<b>INDEX . . . . .</b>	<b>95</b>
<b>NOTE . . . . .</b>	<b>99</b>



# INTRODUCTION

**In this section you will discover the main architecture of Medialon Scheduler, what its main elements are and how they interact with each other.**



# Schedules for Show & Media

The introduction of our first audiovisual Control Software in 1999 was driven by our vision of giving the power to the user with an easy and opened programming environment using non proprietary hardware.

Our user friendly, powerful and IT based audiovisual control solutions, are used for simple to mission critical applications such as Museum media control, Theme Parks wide control, Entertainment show control, Corporate Showrooms, etc.

Medialon Scheduler is a Windows based application to schedule any type of events programmed in Medialon Manager Show & Media Control Software.

Medialon Scheduler is designed to schedule and supervise several exhibitions, shows or automation applications using Medialon Manager from one central location. It is ideal to operate all the exhibits of museums or science centres, all the venues and shows in cruise ships or theme parks or digital signage playback in large malls or corporate buildings.

Medialon Scheduler is a client server application allowing any number of operators to schedule any number of events in any number of Medialon Manager Applications over a network.

The central server runs as a Windows service while clients (user interface) and controlled applications (Medialon Manager PCs) are connected over TCP/IP.

## *A bank of Schedules...*

Medialon Scheduler uses 24 hours schedules not related to a specific date. Each schedule contains events to trigger Medialon Manager's tasks (shows or automation tasks), cues (simple command to a device) or to set value of specific variables. Events are based on absolute hours in the schedule. Several events can be grouped as one and be executed in one batch. A variable value can be tested before performing an action allowing external value to over-ride MS schedules. All tasks and variables names to be triggered are automatically retrieved over the network via Open Cap (Medialon network secured protocol) and thus displayed by their name for easier programming.

## *Programmed on a calendar*

Once schedules are ready, they can be programmed to be executed at a specific date in the Calendar. The same schedule can thus be programmed several days without having to be re-written by operators.

If a schedule is edited after being programmed on the calendar, the next occurrence in the calendar will follow the editions.

## *Administration*

Administration tool allows selection of Medialon Manager Targets that will be accessible by the scheduler.

Several access rights are available for administrator, editor and viewer operators.

Files saving path can be set on another computer. For instance, if a redundant configuration is used.



# Overview of Medialon Scheduler

Medialon Scheduler is a client server application. Medialon Scheduler is designed to schedule and supervise several exhibitions, shows or automation applications using Medialon Manager from one central location. It is ideal to operate all the exhibits of museums or science centres, all the venues and shows in cruise ships or theme parks or digital signage playback in large malls or corporate buildings.

## Main Features

### Calendar

Medialon Scheduler provides a Calendar view familiar to any user of agenda software. This allows non technical personnel to easily understand the product. This Calendar gives an overview of scheduled actions.

### Schedules

With Medialon Scheduler, users can generate sequences of actions based on a 24 hour period time. These sequences called Schedules can be easily inserted into the Calendar at one or several days.

Schedule editor offers the capability to group several actions which are also called Events. These groups allows to manage several events at the same time.

Medialon Scheduler allows users to schedule multiple Medialon Manager instances or Targets over the network. A Schedule can trigger one or several Targets.

### Administration

Medialon Scheduler user interface provides 3 levels of access (Viewer, Editor, Administrator). These accesses can be protected by a password.

Medialon Scheduler Servers and Medialon Manager Targets benefit from the auto-detection over the network process. It simplifies user connections and server configurations.

Schedules and Log file location can be defined by Medialon Scheduler administrator. These files can be shared between several Medialon Scheduler Servers.

Clock references can be synchronized with a SNTP (Single Network Time Protocol) server. Medialon Scheduler administrator has the option to change the day switch hour if the last event of a Schedule must be executed after midnight.

Medialon Scheduler traces Schedules and System activity into log files. Log files can be consulted from all Medialon Scheduler connected on a remote PC.

### Redundancy

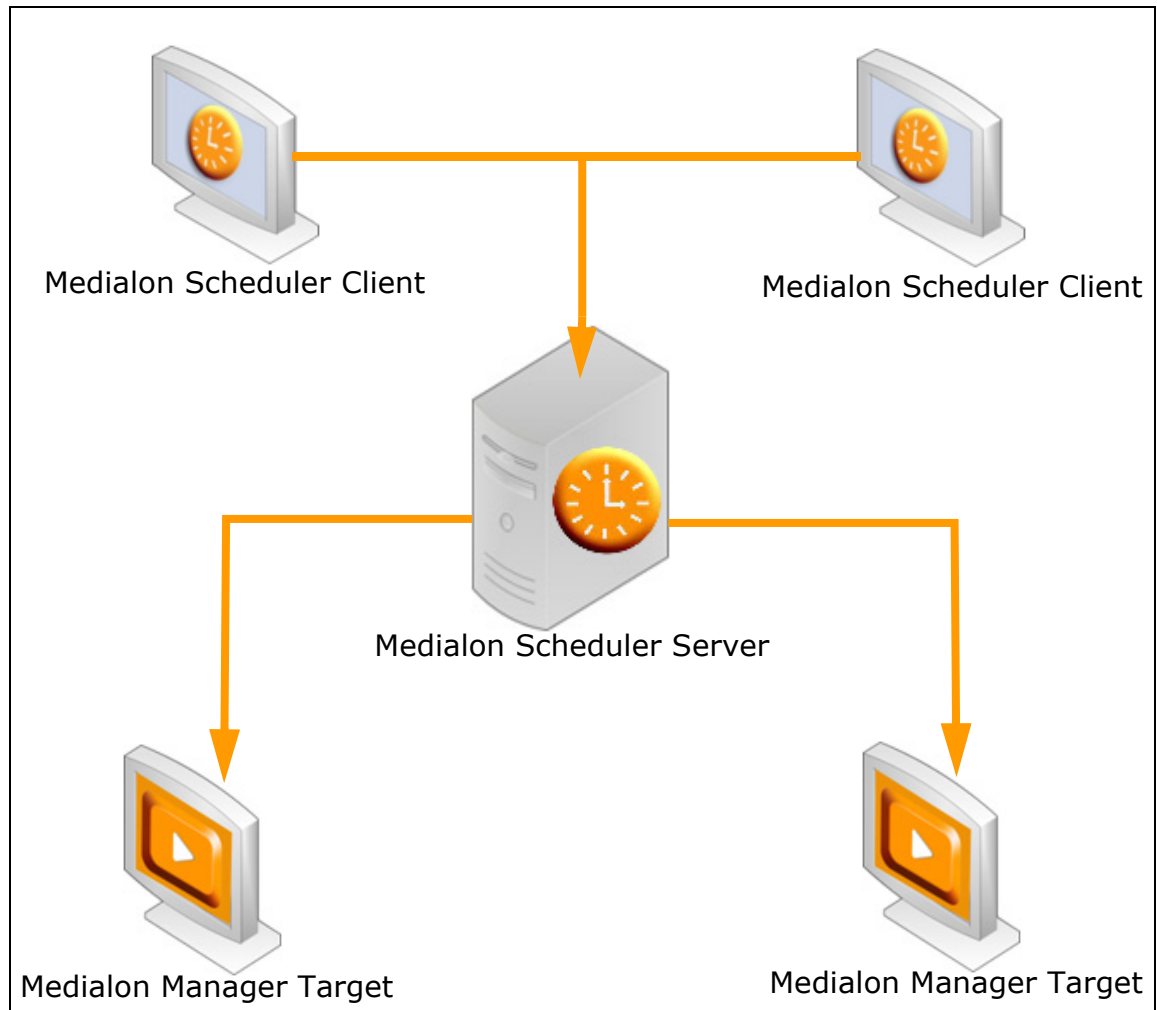
Medialon Scheduler is usually running with a stand alone server configuration. Medialon Scheduler can also be integrated in a "never stop" installation. 2 Medialon Scheduler Servers can be configured to work in redundancy. Medialon Scheduler Administration interface allows users to set Schedule folder that will be shared by the 2 servers and to define which server is assigned as the main

Scheduler Server.

## Concept and Architecture

Medialon Scheduler application is a client/server application which is separated in different applications:

- Medialon Scheduler Server
- Medialon Scheduler Client.



Medialon Scheduler Server is connected to Medialon Manager target(s). Medialon Scheduler Server triggers Medialon Manager actions.

Medialon Scheduler Server does not provide any user interface. Medialon Scheduler Server can run as a Windows service or as a Console application.

Users control Medialon Scheduler via Medialon Scheduler Client.

Medialon Scheduler Client provides a user interface for Schedules creation and management.

An administration interface is also available for the Medialon Scheduler Client which allows users to configure Scheduler Client and Scheduler Server.

Accessibility of Medialon Scheduler interfaces will depend on the login rights.

A Medialon Scheduler Client application can run on the Medialon Scheduler Server computer.

## Medialon Scheduler Objects and Interactions

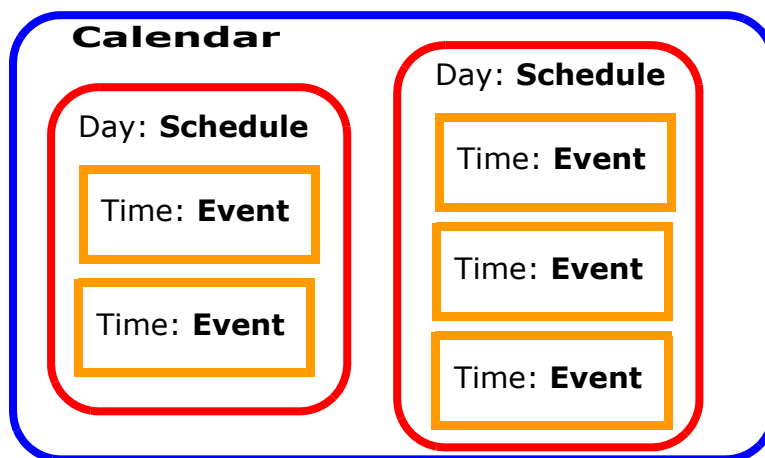
Medialon Scheduler is composed of one Calendar and one or several Schedules which contain some events.

### Calendar and Schedule Organization

The Calendar defines which Schedules must be started for each days.

A Schedule is composed of schedule Events. Events are executed at defined time.

Schedule Events are commands sent to the various Medialon Manager Targets.

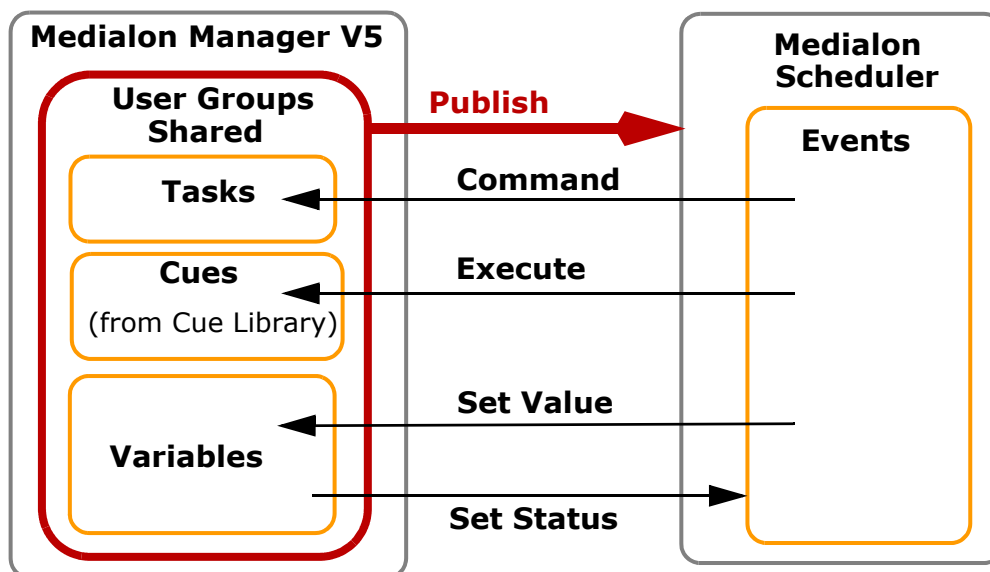


### Schedule Event

Medialon Scheduler can have access to Medialon Manager V5 objects. Medialon Scheduler is able to recognise Medialon Manager Tasks, Variables and Cues from the Library.

A Schedule Event initiates Medialon Manager V5 actions. A task can be started, a variable can be changed or a cue can be executed.

Target Variables can be used to set the status of an Event. This mechanism allows you to control whether Events will be triggered or not by updating the value of its Conditional Variable.



## Medialon Scheduler License Options

Medialon Scheduler is a program protected by a license key and will only run with the appropriate dongle Key connected to an USB port of Medialon Scheduler Server PC.

Medialon Scheduler Client doesn't need a dongle key. The use of Scheduler Client is linked to the Scheduler Server you are connected to, therefore you can install as many instance of Scheduler Client as you need.

The chosen edition will determine the scale of your system. Medialon Scheduler comes in 2 different editions.

### Medialon Scheduler Solo

With this edition, only one operator can use Medialon Scheduler at the same time.

You can trigger only one Medialon Manager Target.

### Medialon Scheduler Multi

Edition Multi allows multiple simultaneous operators to connect to Medialon Scheduler.

Several Medialon Manager Targets can be triggered by Medialon Scheduler Server.

# Medialon Scheduler Installation

Medialon Scheduler is a Client / Server application. Please follow the following procedure to install and configure your system:

1. Install Medialon Scheduler Server on the server computer ([page 25](#)).
2. Install Medialon Scheduler Client on a client computer if needed ([page 35](#)).
3. From Scheduler Client, configure Scheduler Server and add Medialon Manager Targets ([page 41](#)).
4. Start to program your Schedules ([page 53](#)).



# MEDIALON SCHEDULER SERVER

**In this section you will learn how to correctly install Medialon Scheduler Server Software.**



# Installation of Scheduler Server


This chapter will describe the procedure to follow in order to correctly install Medialon Scheduler Server on your computer. Please follow it closely, as correct installation of Medialon Scheduler Server is very important for the success of your project.

## Software Installation

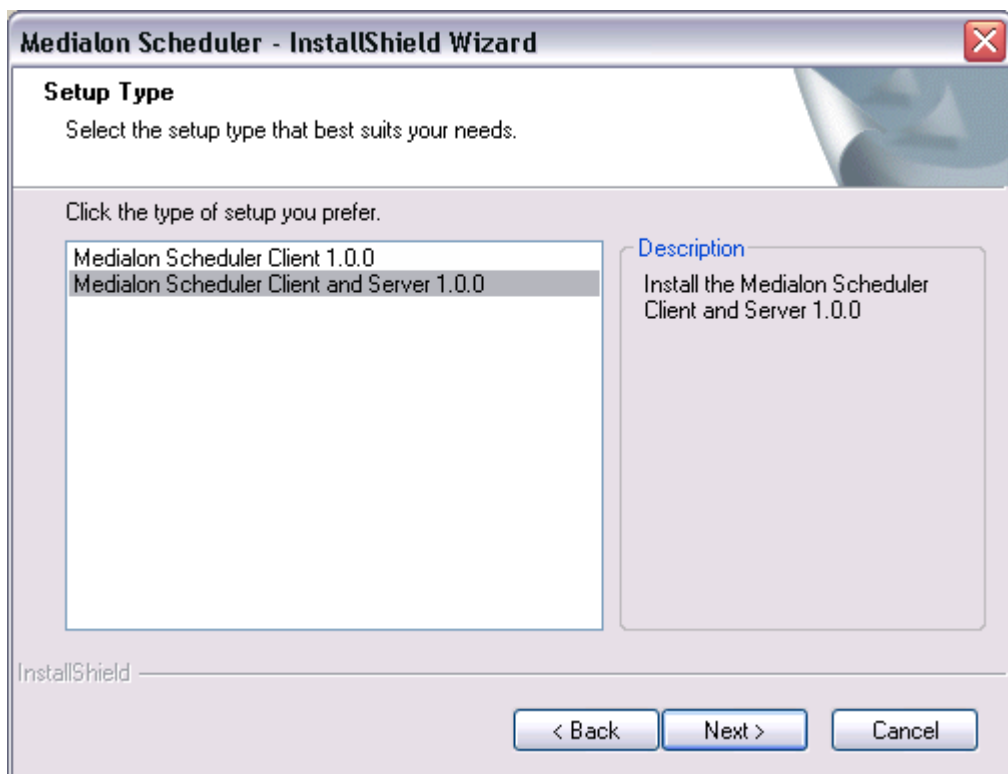
Medialon Scheduler will install both Scheduler Client and Scheduler Server Applications. This will allow you to setup Scheduler Server by using Scheduler Client application locally.

To install Medialon Scheduler Server software:

1. Set the dongle aside, do not connect to the computer at this point.
2. First make sure you have administration rights on your computer.

 *With Windows Vista, you need to turn off the User Account Control.*

3. Insert the distribution CD in the CD-ROM drive of your computer, the installer will automatically be launched.
4. Read the Software license Agreement You must accept the term of the license agreement and enter all required information fields in order to install the Medialon Scheduler Server Application.
5. Click "Next" on the Welcome page.
6. Fill in the user information and Click "Next".
7. Select "Scheduler Client and Server" and Click "Next".



8. Click "Next" on the Choose Destination Location page. This will install Medialon Scheduler in the default Medialon Scheduler directory.

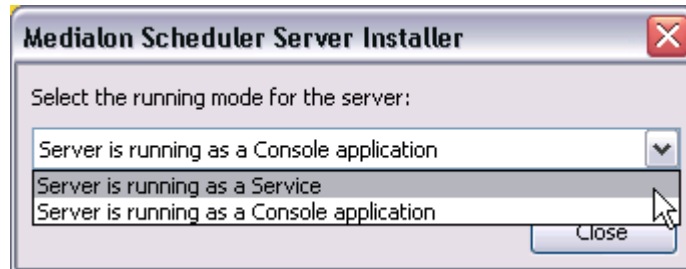


# Scheduler Server Runtime Modes

Medialon Scheduler Server can run in 2 different modes, as a Windows Service or as a Console application.

On first installation, Medialon Scheduler Server will be installed and started as a Console application.

Medialon Scheduler Server Installer allows you to change Scheduler Server run mode. You can choose between Windows Service or Console Application.



Select "Switch Scheduler Server running mode..." in the Windows Start Menu

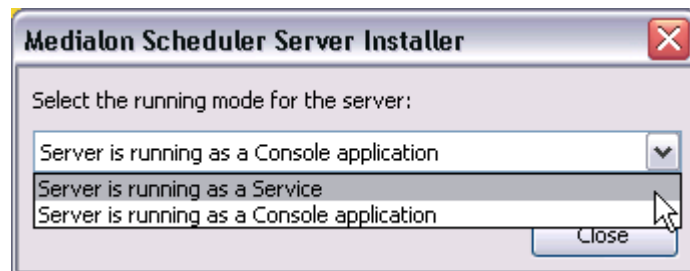


**WARNING!** This will stop the Scheduler Server and re-launch it in the new mode. Connection will be reset with Clients and Targets. All unsaved data will be lost.

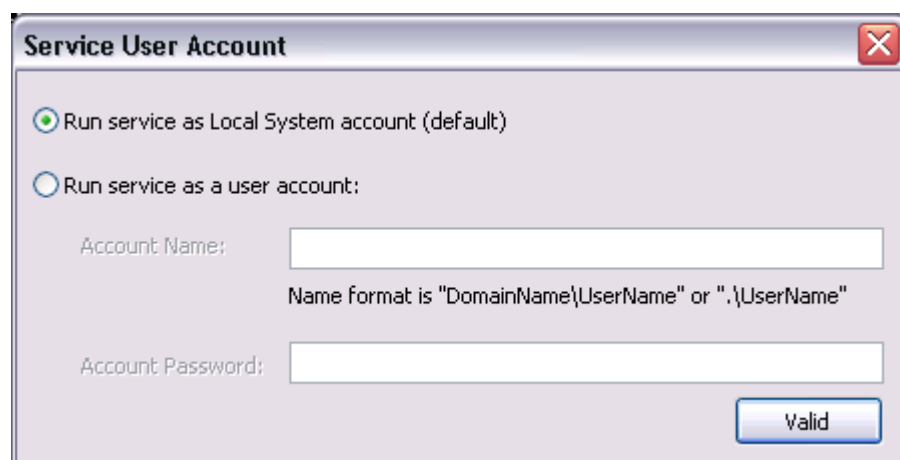
# Windows Service

Medialon Scheduler Server can run as a Windows Service.

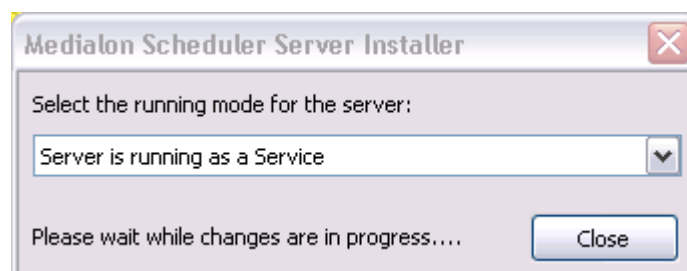
1. Select "Server is running as a Service" in Medialon Scheduler Server Installer.



2. Click "Yes" to confirm.
3. Select User Account used by the service.

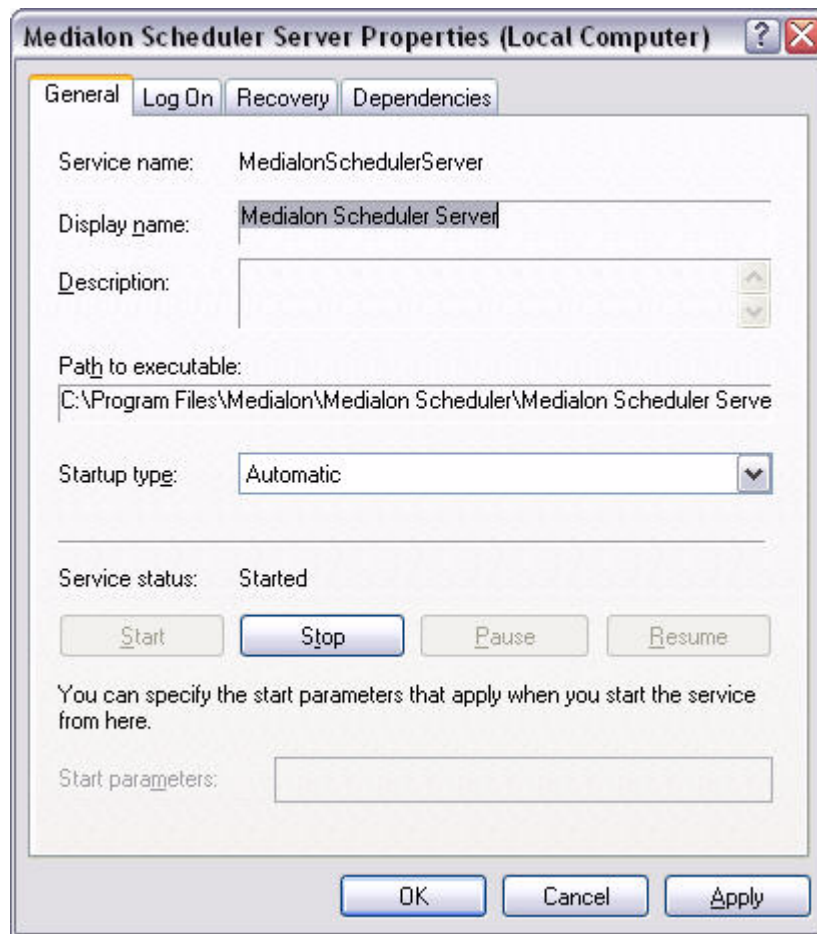


4. Then Click "Valid".



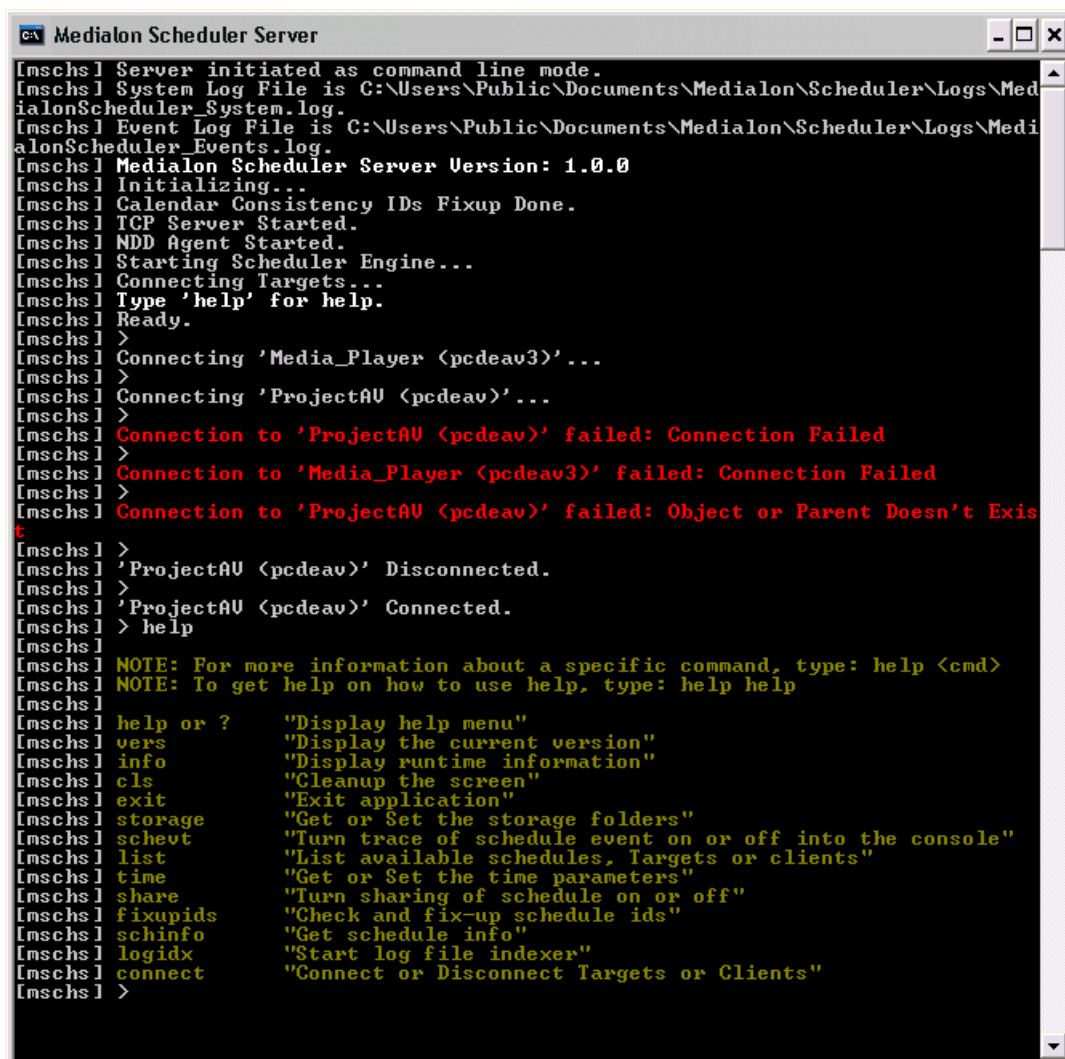
5. Click "Close" when the service is running.

When running as a Windows Service, Medialon Scheduler Server will appear in your Services list using the computer's Administrative Tools / Services console.



# Console Application

When running as a Console Application, Medialon Scheduler Server will open a console in which the activities will be traced and where commands can be sent directly to the application.



```
Medialon Scheduler Server
[mschs] Server initiated as command line mode.
[mschs] System Log File is C:\Users\Public\Documents\Medialon\Scheduler\Logs\MedialonScheduler_System.log.
[mschs] Event Log File is C:\Users\Public\Documents\Medialon\Scheduler\Logs\MedialonScheduler_Events.log.
[mschs] Medialon Scheduler Server Version: 1.0.0
[mschs] Initializing...
[mschs] Calendar Consistency IDs Fixup Done.
[mschs] TCP Server Started.
[mschs] MDD Agent Started.
[mschs] Starting Scheduler Engine...
[mschs] Connecting Targets...
[mschs] Type 'help' for help.
[mschs] Ready.
[mschs] >
[mschs] Connecting 'Media_Player (pcdeav3)'...
[mschs] >
[mschs] Connecting 'ProjectAU (pcdeav)'...
[mschs] >
[mschs] Connection to 'ProjectAU (pcdeav)' failed: Connection Failed
[mschs] >
[mschs] Connection to 'Media_Player (pcdeav3)' failed: Connection Failed
[mschs] >
[mschs] Connection to 'ProjectAU (pcdeav)' failed: Object or Parent Doesn't Exist
[mschs] >
[mschs] 'ProjectAU (pcdeav)' Disconnected.
[mschs] >
[mschs] 'ProjectAU (pcdeav)' Connected.
[mschs] > help
[mschs]
[mschs] NOTE: For more information about a specific command, type: help <cmd>
[mschs] NOTE: To get help on how to use help, type: help help
[mschs]
[mschs] help or ?    "Display help menu"
[mschs] vers        "Display the current version"
[mschs] info        "Display runtime information"
[mschs] cls         "Cleanup the screen"
[mschs] exit        "Exit application"
[mschs] storage     "Get or Set the storage folders"
[mschs] schevt      "Turn trace of schedule event on or off into the console"
[mschs] list        "List available schedules, Targets or clients"
[mschs] time        "Get or Set the time parameters"
[mschs] share       "Turn sharing of schedule on or off"
[mschs] fixupids    "Check and fix-up schedule ids"
[mschs] schinfo     "Get schedule info"
[mschs] logidx      "Start log file indexer"
[mschs] connect     "Connect or Disconnect Targets or Clients"
[mschs] >
```

## Console Commands

### Symbol Convention

- Symbol [] means an optional parameter, ex [value]
- Symbol <> means a required parameter, ex <value>
- Symbol | is the parameter's value separator, ex <'on'|'off'>
- Symbol " is the parameter's value, ex 'on'
- Symbol "" indicates a comment

 The first command's letters can be used instead of full

Command's name, while this 'shortcut' identifies a single command.

### Help

Displays the help menu.

**Help** <commandname>

Displays help information about <commandname> command.

**Vers**

Displays the current version.

**Info**

Displays runtime information.

**Cls**

Cleans up the console screen.

**Exit**

Exits application.

**Storage**

Get or Set the storage folders.

```
storage <'sch'|'log'> <'get'|'set'> [path]
ex: storage sch set D:\Data
```

**schevt**

Turn trace of schedule event on or off into the console.

```
schevt <'on'|'off'>
ex: schevt on
```

**list**

List available schedules or devices.

```
list <'sch' | 'mon' | 'cli'> ['active']
ex: list sch active
```

If active is specified, only active schedules are listed.

**time**

Get or Set the time parameters.

```
time <'get'|'set'> ['local|sntp|rollover'] [value1] [value2]
ex: time set sntp 218.124.236.25
```

### *share*

Turn sharing of schedule on or off.

```
share <'on'|'off'>  
ex: share on
```

### *fixupids*

Check and fix-up schedule ids.

```
ex: fixupids
```

### *schinfo*

Get schedule info.

```
schinfo <schedulename>  
ex: schinfo "My Schedule"
```

### *logidx*

Start log file indexer.

```
logidx <'sch'|'sys'>  
ex: logidx sys
```

### *connect*

Connect or Disconnect Targets or Clients.

```
connect <'tgt'|'cli'> <'on'|'off'>  
ex: connect cli off
```

## MEDIALON SCHEDULER CLIENT

**In this section you will learn how to correctly install Medialon Scheduler Client Software and discover your main working environment.**



# Installation of Scheduler Client


This chapter will describe the procedure to follow in order to correctly install Medialon Scheduler Client on your computer. Please follow it closely, as correct installation of Medialon Scheduler Client is very important for the success of your project.

## Software Installation

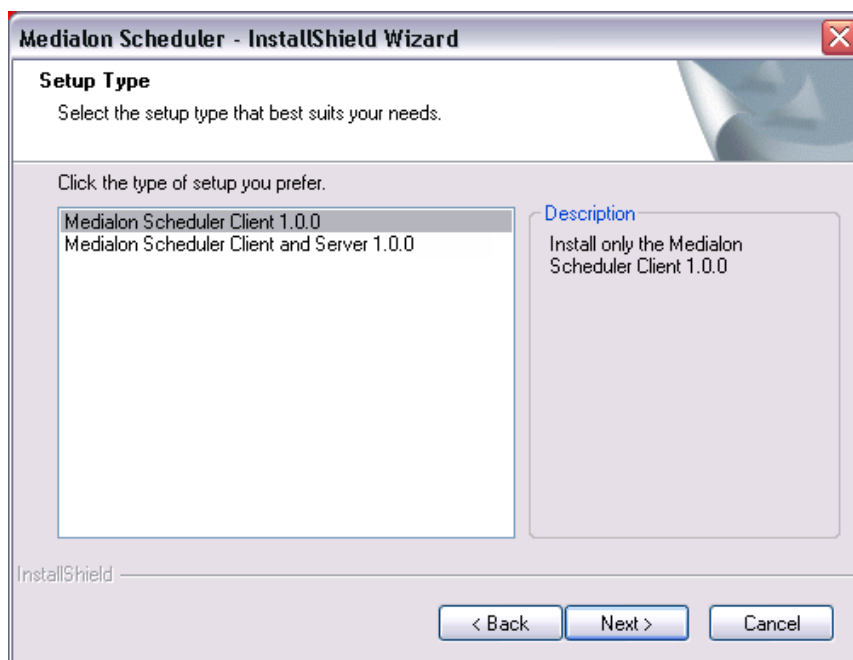
Medialon Scheduler will install Scheduler Client.

To install Medialon Scheduler Client software:

1. First make sure you have administration rights on your computer.

 *With Windows Vista, you need to turn off the User Account Control.*

2. Insert the distribution CD in the CD-ROM drive of your computer, the installer will automatically be launched.
3. Read the Software license Agreement You must accept the term of the license agreement and enter all required information fields in order to install the Medialon Scheduler Client Application.
4. Click "Next" on the Welcome page.
5. Fill in the user information and Click "Next".
6. Select "Scheduler Client" and Click "Next".



7. Click "Next" on the Choose Destination Location page. This will install Medialon Scheduler in the default Medialon Scheduler directory.
8. Click on "Install" to begin the installation. The process will copy the Medialon Scheduler files.
9. Remove the distribution CD from the CD-ROM drive and Click "Finish" to complete Medialon Scheduler Client installation.
10. Select "Scheduler Client" in the Windows Start menu.

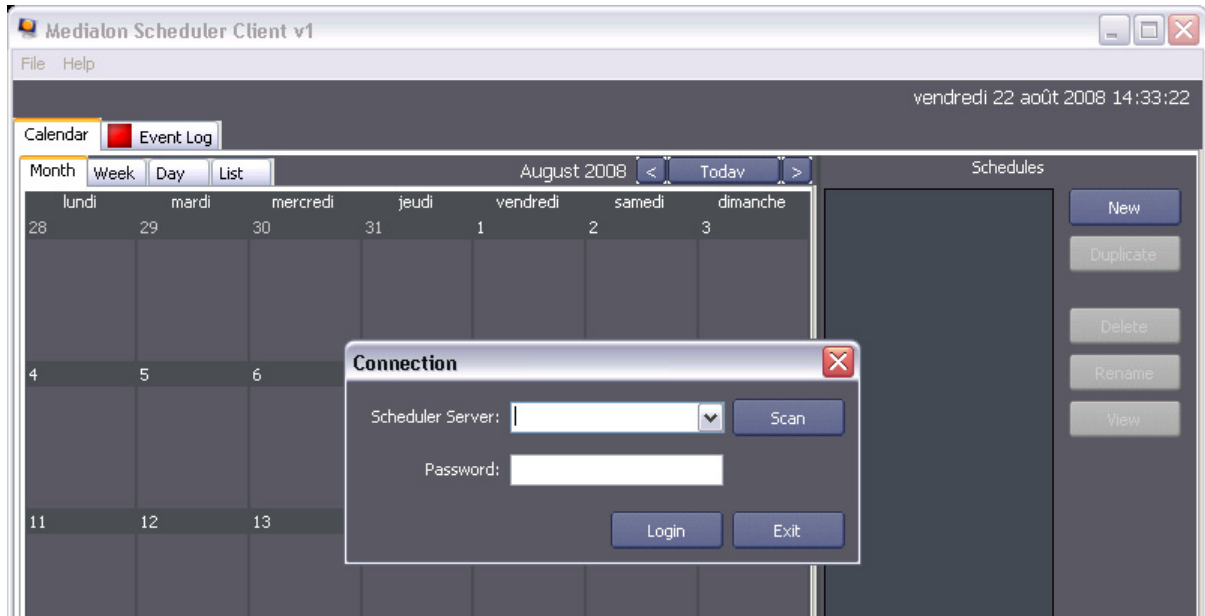




# Medialon Scheduler Client Interface

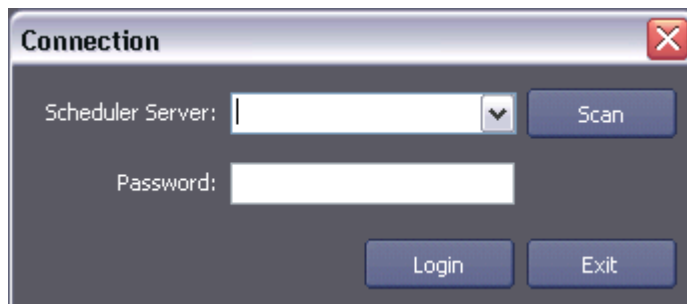
Medialon Scheduler Client is designed to work with a connected Medialon Scheduler Server.

When you start Medialon Scheduler Client, Connection dialog box is automatically opened.



## Medialon Scheduler Server Connection

To open a connection to a Scheduler Server from a Scheduler Client, follow the steps below:



1. Use "Scan" button to detect Medialon Scheduler Server present on the network.
2. Select a Scheduler Server in the list or enter its name or IP address.
3. Enter your user access password if needed.
4. Click on "Login" to open the connection.

# User Access

Medialon Scheduler Client can be opened with 3 different user access levels.

If user access level passwords have been configured, you must enter the password that corresponds to the access level you wish to connect to, See more about "Passwords" on page 44.

## Editor

This user access is the main user access. Editor level gives access to:

- Scheduler Client configuration
- Creation and edition Schedules and Events
- Calendar edition
- Log reports
- ▶ By default no password is defined

## Viewer

Viewer level is dedicated to users who need to monitor schedule activity. This level gives access to:

- Schedules and Events view mode
- Calendar views
- Log reports
- ▶ By default no password

## Administrator

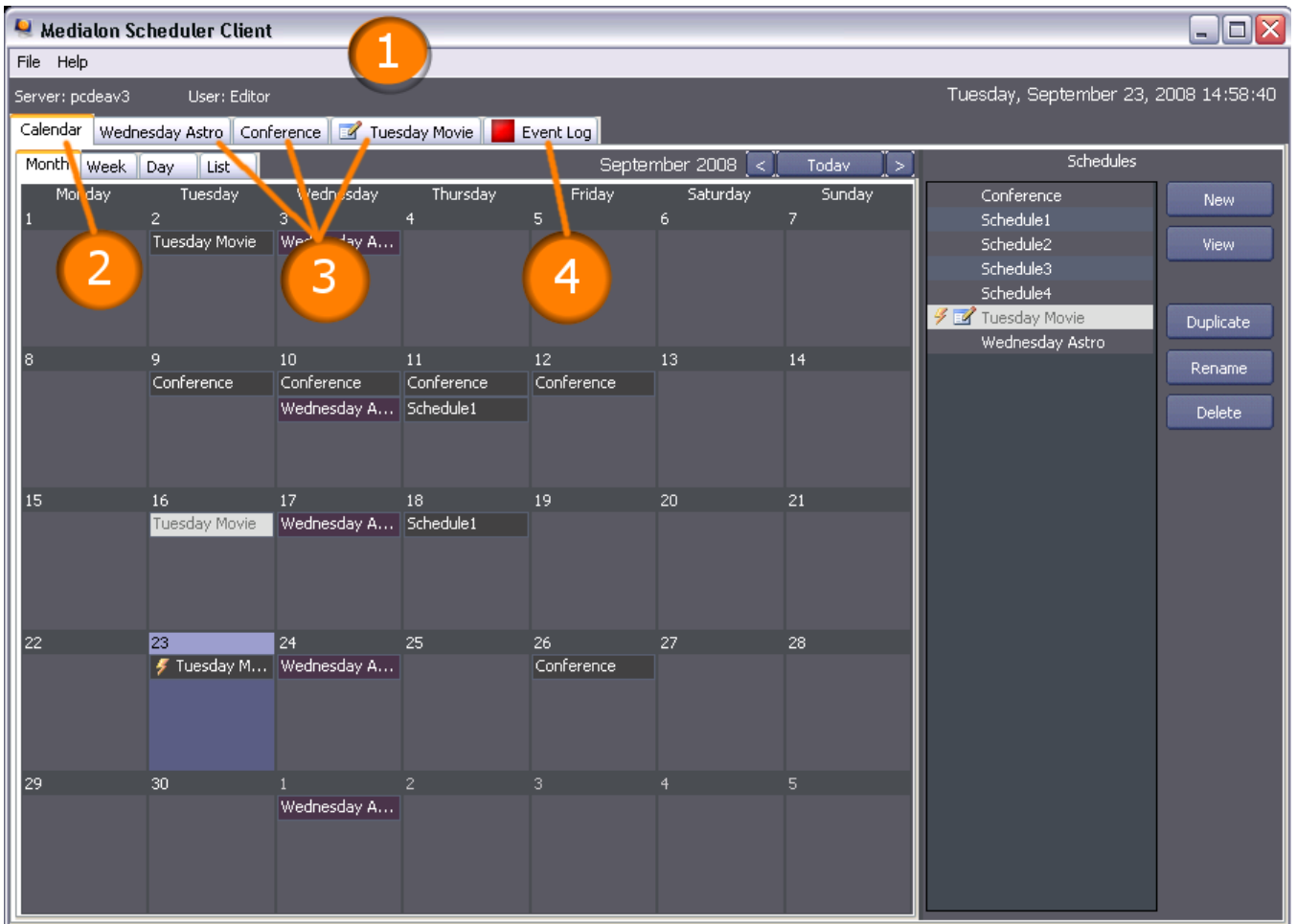
Administrator access is mainly designed to configure and manage Medialon Scheduler system. This level gives access to everything. You can:

- Change Scheduler Server configuration
- Change Scheduler Client configuration
- Create and edit Schedules and Events
- Edit the Calendar
- Read the log reports
- ▶ Default password: medialon

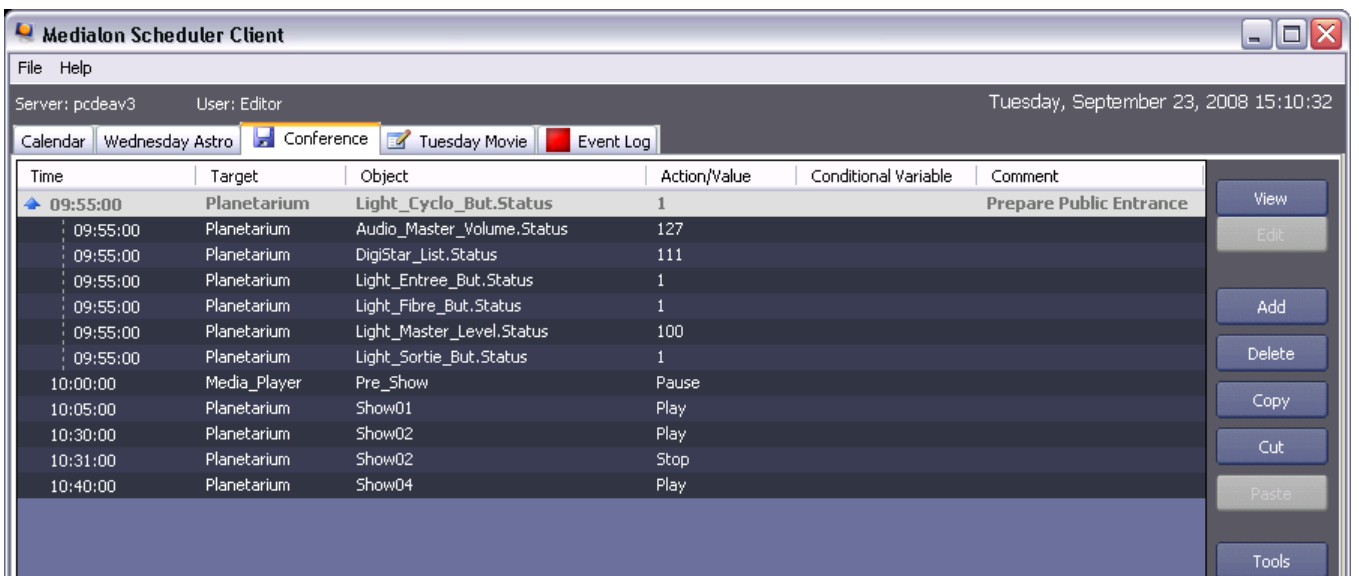
 *Warning: Only 1 administrator can be connected at a time.*

# Medialon Scheduler Client Main Window

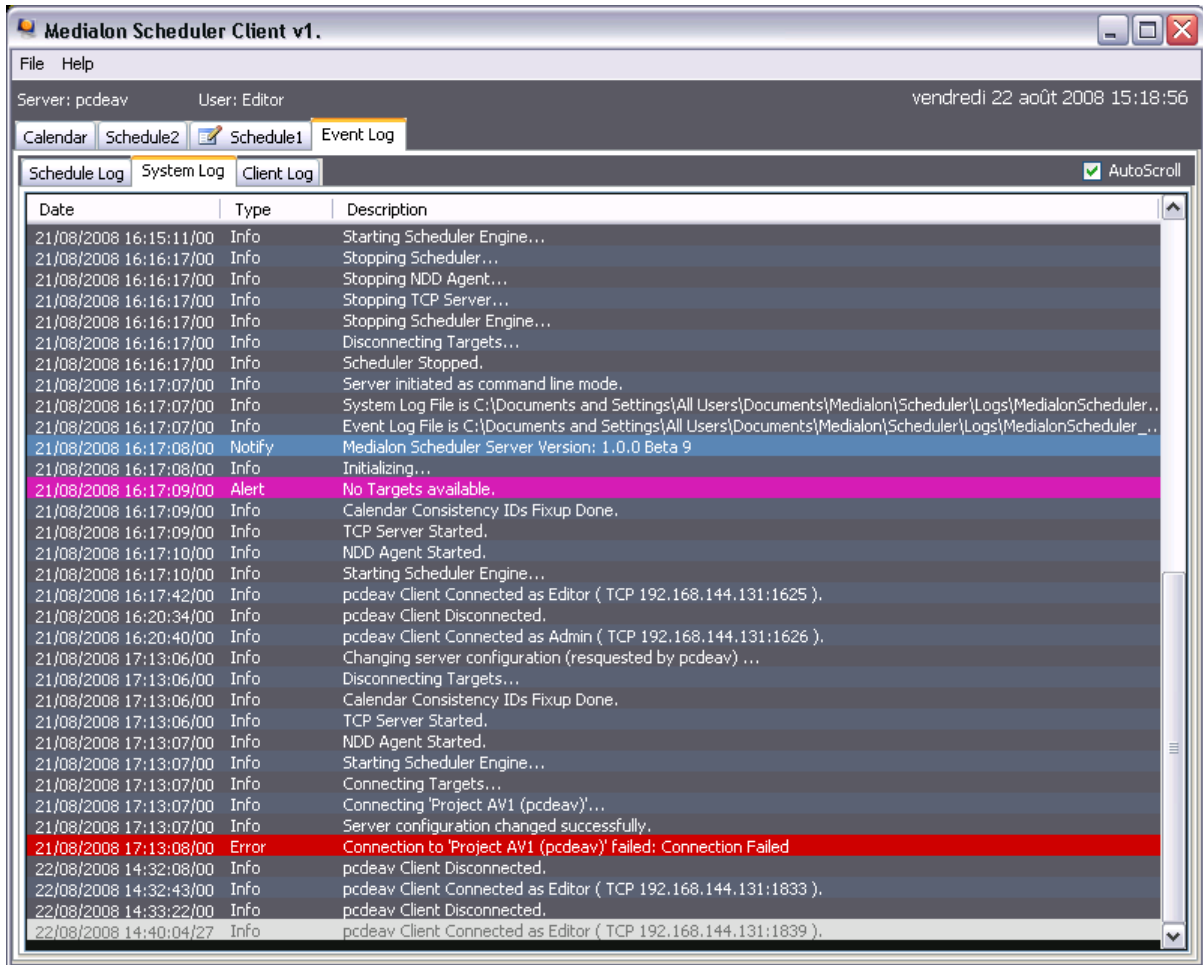
Medialon Scheduler Client main window is composed of areas that are used to display system information, current calendar and schedules.



1. Menu Bar: File and Help menu access. Current date and time, Scheduler Server connected and User Level are also displayed in this bar.
2. Calendar Tab: Current Calendar view. This tab gives you an overview of all programmed schedules.
3. Schedule Tab: In this tab, create or modify Schedule Events.



#### 4. EventLog Tab: Consult different logs generated by Medialon Scheduler.

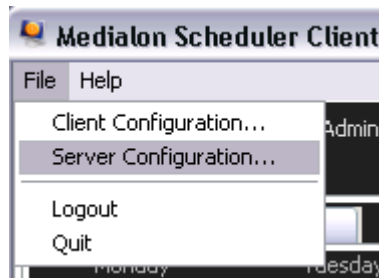


# Scheduler Server Configuration

Medialon Scheduler Server configuration is made from a Medialon Scheduler Client connected as Administrator.

Editor and Viewer users are not allowed to modify the configuration of the Medialon Scheduler Server.

To open the Scheduler Server configuration page, choose the [Server Configuration] option in the File menu item.



### Configuration

Server Mode: Stand Alone Server ▼

**Folders**

Note: paths are relative to the PC running Scheduler server

Calendar and Schedule folder: C:\Users\Public\Documents\Medialon\Scheduler\Data  
 Auto reload when files change

Log Folder: C:\Users\Public\Documents\Medialon\Scheduler\Logs

**Targets**

Name	Address	Shared Group
Media_Player	pcdeav3	Panel_Objects
Planetarium	pcdeav3	Scheduler_Objects

Add...  
Modify...  
Delete

Use network device detection

**Passwords**

Administrator: medialon    Editor: arno    Viewer:  

**Date/Time**

Day Rollover Hour: 04:00

Time Source:  Local Clock  
 SNTP Server    127.0.0.1    Port: 123    Refresh Period (ms): 5000

**Misc.**

Available Objects:  Tasks     Cues     Variables

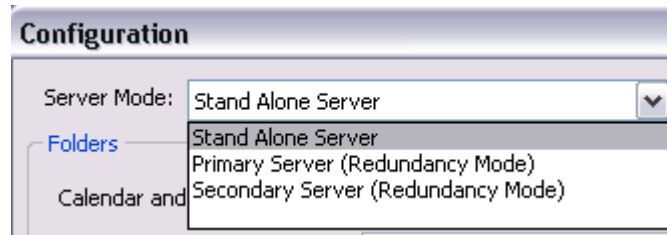
Object Column: Show Name ▼

Execute "On Error" schedule events     Fix-up Schedule IDs at startup

OK    Cancel

# Server Modes

Medialon Scheduler is designed to integrate system with a high level of reliability.



## Stand Alone Server

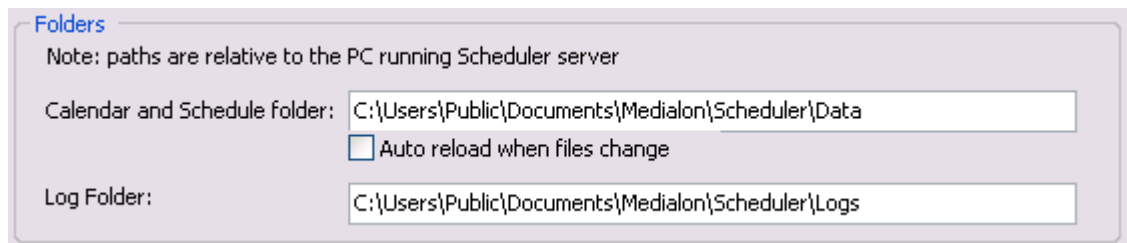
By default Medialon Scheduler Server is configured to work as a stand alone server.


## Redundancy Mode

Medialon Scheduler Server can work in a redundancy mode. 2 Scheduler Server run in sync. One server is defined as Primary Server. A second one is set as Secondary Server. The Primary server is used by default, the Secondary takes the relay in case of Primary failure.

# Folders

The folders configuration allows you to modify the file path of storage for Calendar, Schedulers and Logs files.



 *These paths define how Scheduler Server access to these files.*

## Calendar and Schedule Folder

Set the folder used by Medialon Scheduler Server to load or save Calendar and Schedules files.

If you are working with a redundant configuration, primary and secondary Scheduler Servers must use the same folder for Calendar and Schedules files.

 *In redundancy mode, we strongly recommend to store these files in a third machine.*

## Auto Reload When Files Changes

When this option is active, Medialon Scheduler Server will detect any change in Calendar or Schedules files. In case of change, Scheduler Server will reload modified files.


This option must be activated when:

- Medialon Scheduler Server is in Redundancy mode. It is because both servers need to be permanently synchronized.
- Calendar or Schedules are edited by a third party application. It is possible to edit Calendar and Schedules in another application than Medialon Scheduler Client. Therefore Medialon Scheduler Server needs to update its contents if any modification has been made. Documentation is available on request at [support@medialon.com](mailto:support@medialon.com)

## Log Folder

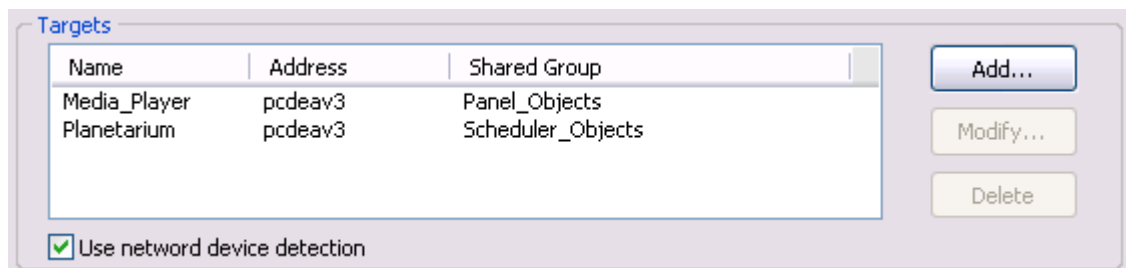
Medialon Scheduler Server traces Schedules and System event. They are saved into log files.

Set the folder used by Medialon Scheduler Server to store these files.

 *In redundancy mode, primary and secondary Scheduler Server must use a different Log folder.*

## Targets

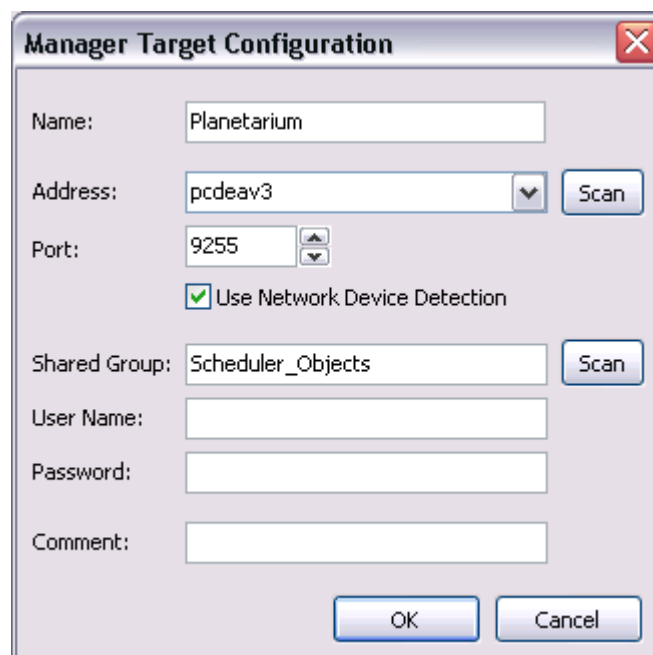
Targets are Medialon Manager Projects running on the same network as the Medialon Scheduler Server.



Name	Address	Shared Group
Media_Player	pcdeav3	Panel_Objects
Planetarium	pcdeav3	Scheduler_Objects

Use network device detection

Clicking on the "Add" or "Modify" button opens the Medialon Manager Target Configuration window.



**Manager Target Configuration**

Name: Planetarium

Address: pcdeav3

Port: 9255

Use Network Device Detection

Shared Group: Scheduler\_Objects

User Name:

Password:

Comment:


- **Name:** specify the name of the Medialon Manager Targets as you want it appears in the Schedules view.
- **Address:** Name of IP address of the Medialon Manager Target computer.
- **Address Scan:** This button will automatically scan the Network to detect Medialon Manager Targets on the specified port.
- **Port:** Specify the IP port number of the Medialon Manager connection (default port = 9255).
- **Use Network Device Detection:** For added security, Medialon Scheduler Server implements network detection of Medialon Manager V5 host before initiating its connection with the target.
- **Shared Group:** specify the name of the Target shared Group.
- **Group Scan:** This button will automatically scan the Medialon Manager Target to detect Shared Groups.
- **User Name:** Enter User Name if the Medialon Manager Target requires one.
- **Password:** Enter Password if the Medialon Manager Target requires one.
- **Comment:** You may enter a comment about the Medialon Manager target for reference purposes.

 *More info about Medialon Manager, [page 85](#).*

## Passwords


Medialon Scheduler Client can be opened with 3 different user access levels.

Each user access level can be protected by a password. Passwords can be empty. See more about "User Access" on page 38.




Passwords

Administrator:  Editor:  Viewer:

 *Note that if 2 or 3 passwords are identical, the higher access level will be granted.*



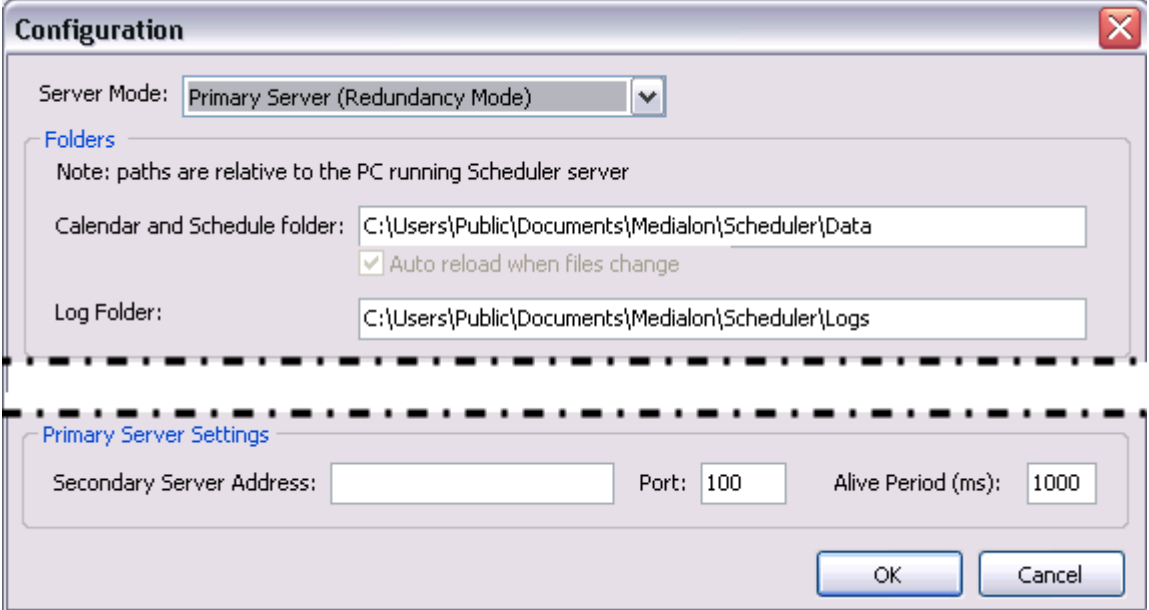
- Description then Name: Target Object description and its Object name are shown.

 For further information about Target Object, [please refer to Medialon Manager documentation](#).

- **Execute "On Error" schedule events:** In case of some Events conditional variables are set to Error, this option defines if Medialon Scheduler overrides this status and executes the Event.
- **Fix-up Schedule IDs at startup:** It is possible to edit Calendar and Schedules in another application than Medialon Scheduler Client. Each Schedule Event must have a unique ID. Therefore this option forces Medialon Scheduler Server to create unique IDs for all Event of the Schedule when Schedules files are loaded. This process is an internal process and transparent to the final user.

## Primary Server Settings

When Server Mode is set to Primary Server, you need to define Secondary Server parameters.




- **Secondary Server Address:** Enter name or IP address of Scheduler Server used as Secondary Server.
- **Port:** Defines the IP Port used by Medialon Scheduler connection.
- **Alive Period:** Time period used by Primary Server to notify "I'm alive" to the Secondary Server.

## Secondary Server Settings

Secondary Server settings include folders path definition.

- Depending on Medialon Manager Target edition installed, only 1 Manager On Network connection can be opened. Uncheck "**Connect to targets only when primary server is failed**" option to prevent this limitation.

 For further information about Medialon Manager edition, consult Medialon web site: [www.medialon.com](http://www.medialon.com)

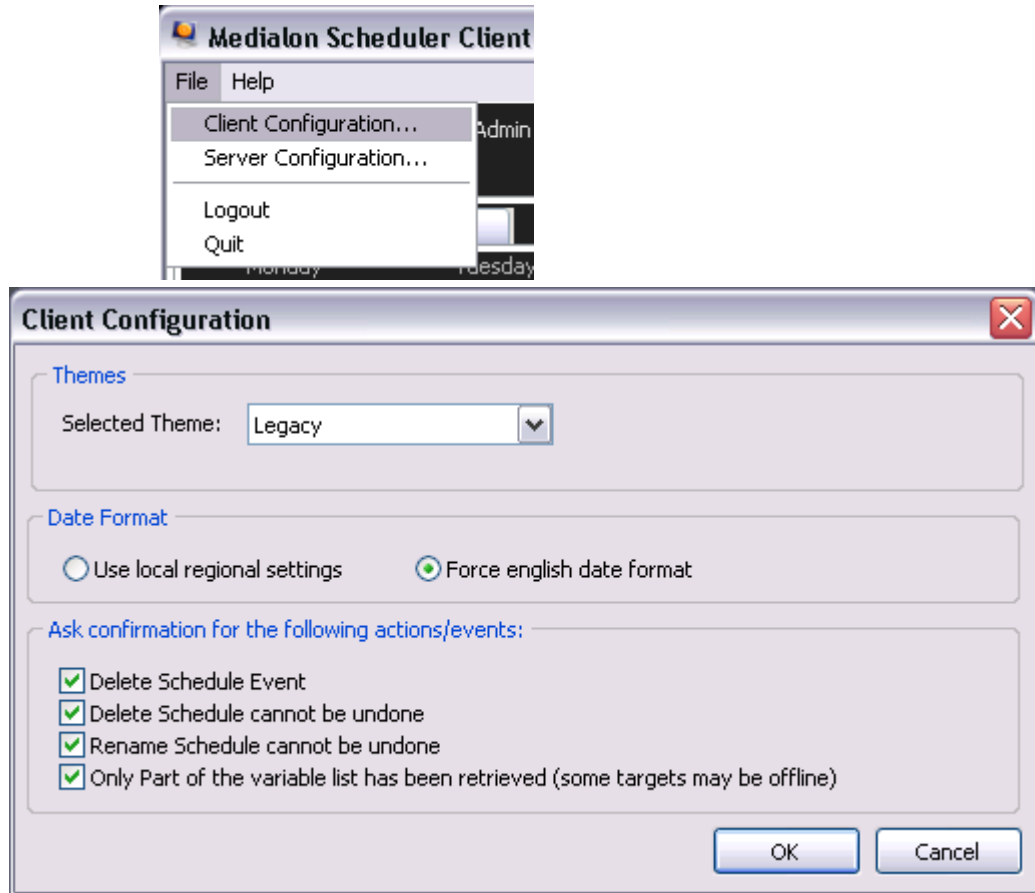
- **Listen Port:** Defines the IP Port used by Medialon Scheduler connection.



# Scheduler Client Configuration

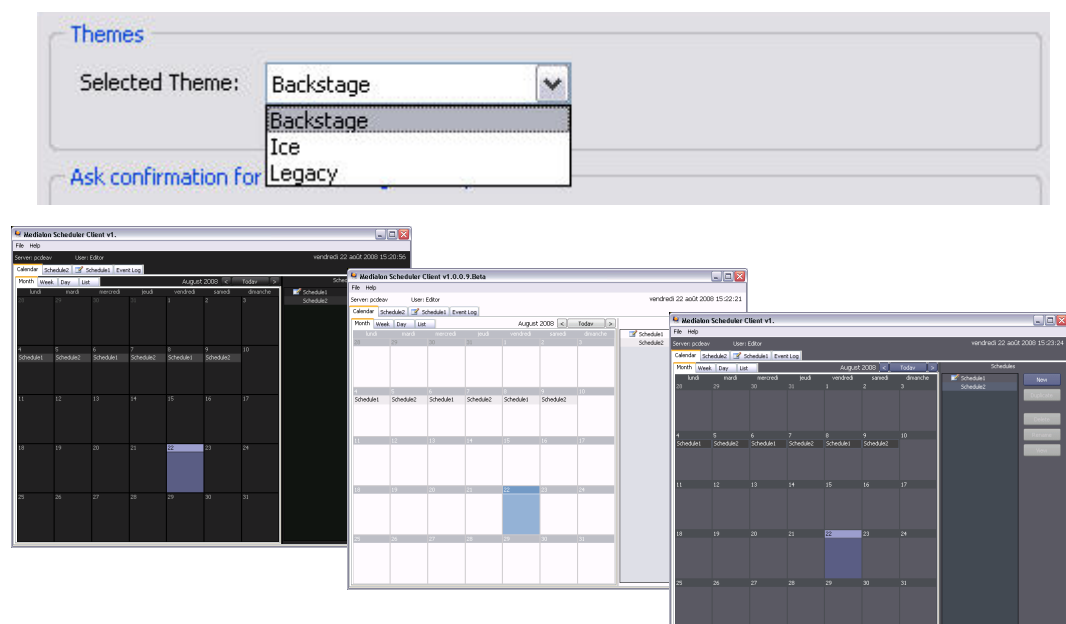
Viewer user cannot change Medialon Scheduler Client configuration.

To open the Scheduler Client configuration page, choose the [Client Configuration] option in the File menu item.



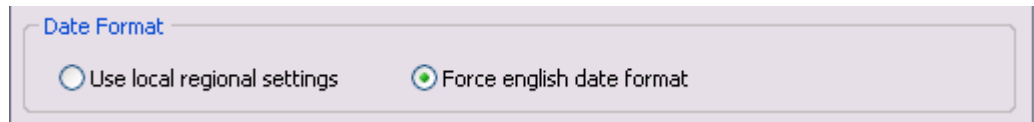
## Themes

Allows you to choose the color theme of the Scheduler Client.



## Date Format

Allows you to select Date format.



The screenshot shows a dialog box titled "Date Format" with two radio button options. The first option is "Use local regional settings" and the second is "Force english date format". The second option is selected, indicated by a green dot in the center of the radio button.

You can keep your local regional settings or force Medialon Scheduler Client to display date with the english format (mounth/day/year).

## Action Confirmation

Enables or Disables the confirmation dialog box on selected actions.



The screenshot shows a dialog box titled "Ask confirmation for the following actions/events:". It contains a list of four items, each with a checked checkbox:

- Delete Schedule Event
- Delete Schedule cannot be undone
- Rename Schedule cannot be undone
- Only Part of the variable list has been retrieved (some targets may be offline)

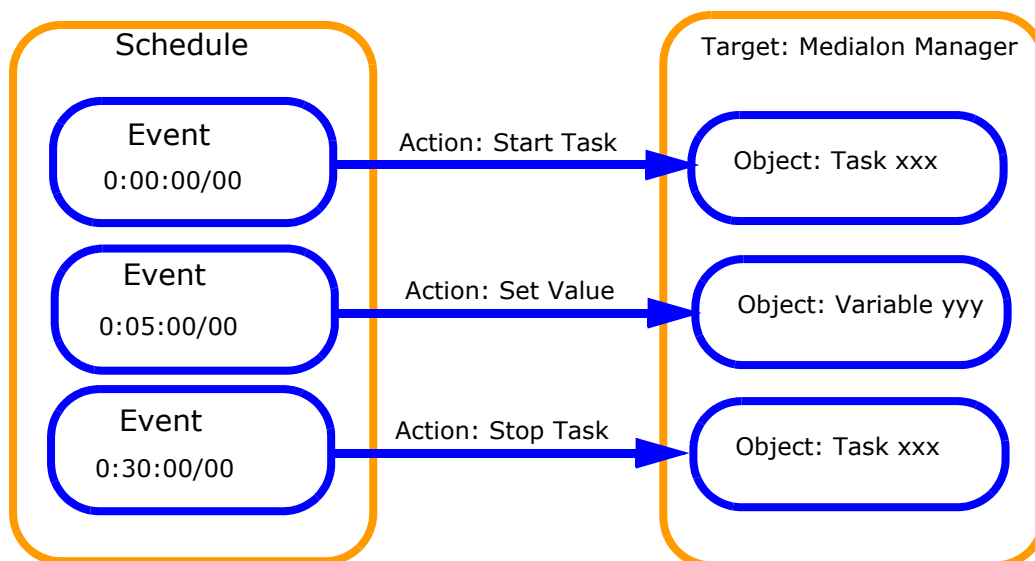
# SCHEDULES PROGRAMMING

**In this section you will learn Schedules programming.**



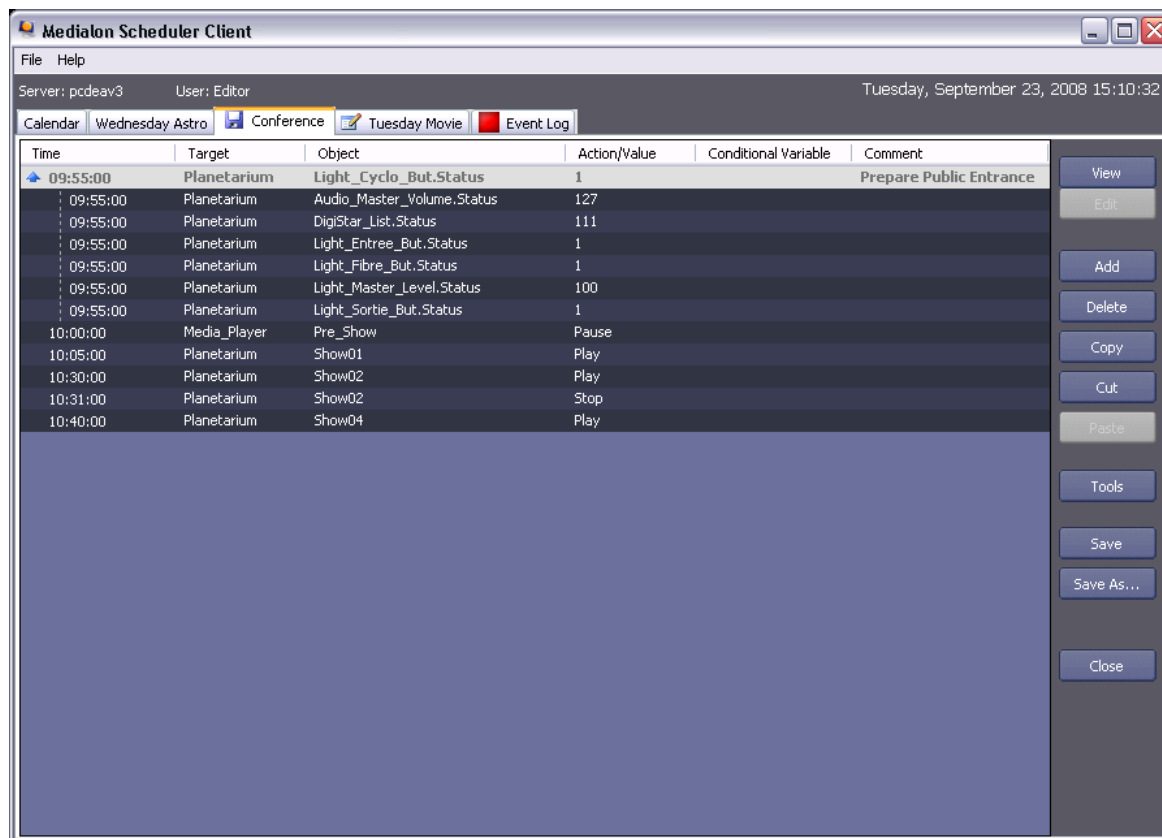
# The Schedules

Schedules are composed of a succession of timed Events. Each Event can send an action to a target object.



Schedules are similar to Medialon Manager timebased tasks. Schedules represent a period of 24 hours. Day Rollover Hour determines the time of the first event.

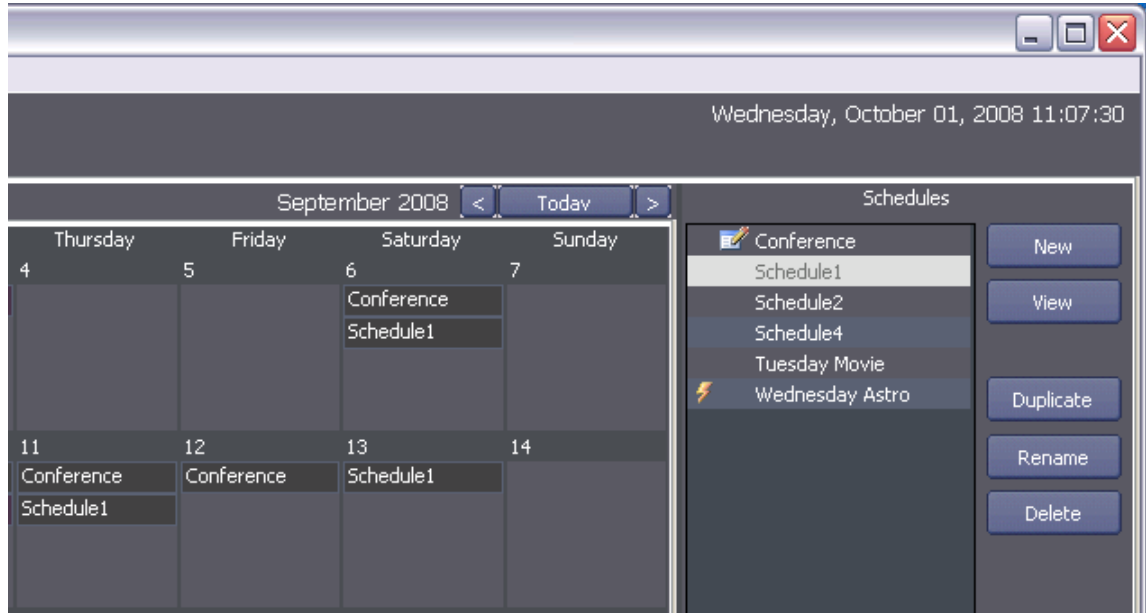
Schedules are programmed remotely via a Medialon Scheduler Client interface.



# Schedules Creation

Schedules creation and management are made from the Calendar tab of Medialon Scheduler Client interface.

The right section of Calendar tab shows the list of available Schedules and command buttons.



## Create a New Schedule \*

Click on the "New" button to create a new empty Schedule.

This new Schedule is opened into a new tab in edition mode.

## View a Schedule

This button opens the selected Schedule into a new tab in view mode. This command is available for all users.

## Duplicate a Schedule \*

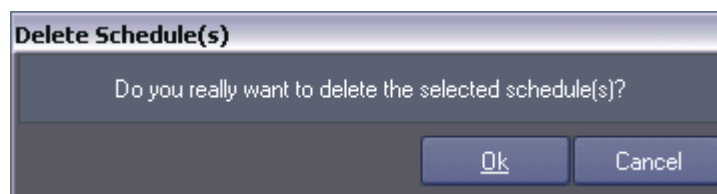
If you wish to duplicate an existing Schedule, use the "Duplicate" button. The duplicate Schedule will have the same root name + [index+1].


## Rename a Schedule \*

You may rename the Schedule by Clicking on the "Rename" button or Clicking once on the name of the Schedule in the Calendar view.

## Delete a Schedule \*

The "Delete" button will erase the selected Schedule permanently. This action cannot be undone.



 \* All these commands are only available when you are connected as Administrator or Editor.

# Schedules Edition

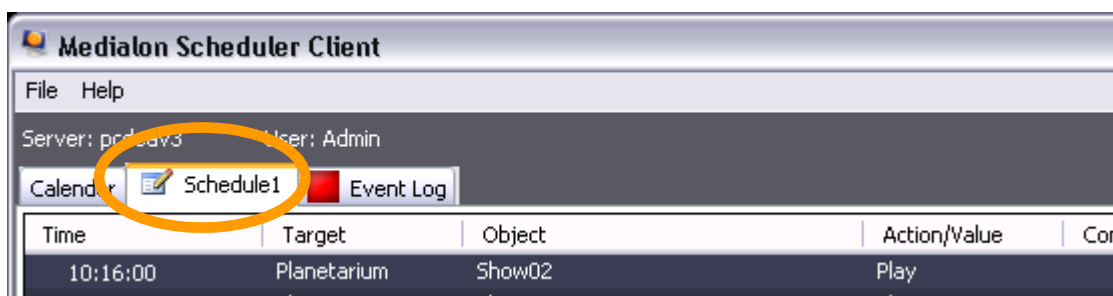
To open a Schedule in a new tab, double Click on the schedule name or Click the "View" button in the Calendar view.



## Schedule Tab Overview

The Schedule Tab presents the list of Events which compose this Schedule and a command bar on its right side.

The label tab shows the Schedule name. The icon ahead of it indicates the current state of the Schedule.



## Schedule Tab Command Bar


Schedule command buttons are located on the right side of the tab.

### View

Click on this button to switch the Schedule into the view mode. It is the default mode when you open a Schedule in the Calendar tab.

In this mode, Events cannot be modified.

## Edit

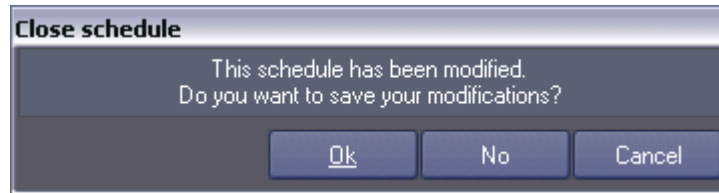
Click on this button to switch the Schedule into the edition mode. An icon  in the label tab indicates if edition mode is active.


This mode is used to add or modify Events inside a Schedule. You need to be logged in as Administrator or as Editor to switch into edition mode.

## Close

Close the current Schedule tab.


If Schedule modifications have not been saved, a warning message will ask you if you want to save your changes.



 *The following Commands are only available in edition mode.*

## Save

Save the current Schedule.

An icon  in the label tab indicates if the Schedule has been changed since the last "Save" command.

## Save As...

Save a copy of the current Schedule with a new name. The original Schedule remains unchanged.

## Add

This button is used to add a new Event to the Schedule.

## Delete

"Delete" button erases the selected Event in the current Schedule. This command cannot be undone.

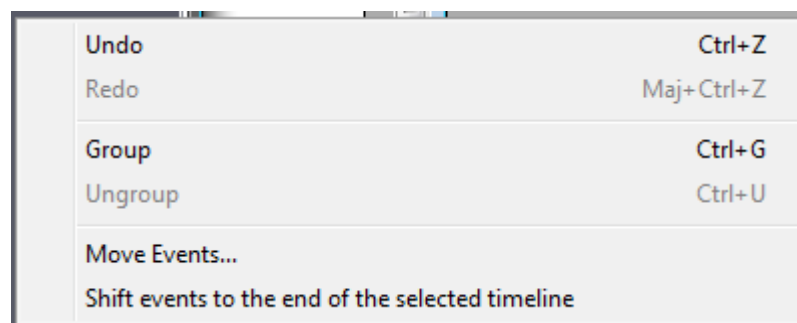
## Cut / Copy / Paste

These button allows you to cut, copy and paste selected Events.

 *It is possible to copy an Event even if you open a Schedule in view mode.*

## Tools

The "Tools" button gives access to several management commands.



### Undo/Redo

Undo the last action, or Redo the last Undo action.

### Group/Ungroup

Events can be grouped by selecting events and right clicking to open the contextual menu, or by clicking on the Tools button.

Once grouped, Event groups can be expanded or collapsed in order to clarify the scheduler view.

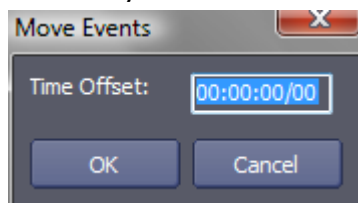
Time	Target	Object	Action/Value	Condition
09:55:00	Planetarium	Light_Cyclo_But.Status	1	
09:55:00	Planetarium	Audio_Master_Volume.Status	127	
09:55:00	Planetarium	DigiStar_List.Status	111	
09:55:00	Planetarium	Light_Entree_But.Status	1	
09:55:00	Planetarium	Light_Fibre_But.Status	1	
09:55:00	Planetarium	Light_Master_Level.Status	100	
09:55:00	Planetarium	Light_Sortie_But.Status	1	
10:00:00	Media_Player	Pre_Show	Pause	
10:05:00	Planetarium	Show01	Play	

The execution time of the event is internally kept as relative to the execution time of the group. This means that all of the events of a group can be shifted in time by simply changing the execution time of the group.

### Move Events

This command is used to move one or several events in your schedule.

Enter how much time you want to move, this offset time can be negative.



### Shift Events to the end of the selected timeline

With this tool, you can move automatically an Event (or a selection of Events) at the end of the previous Event. If this Event start a TimeBased task or Timeline. Medialon Scheduler use the task duration to calculate the next time Event.

Time	Target	Object	Action/Value	Conditional Variab
10:16:00	Planetarium	Show02	Play	
10:16:00	Planetarium	Show04	Play	

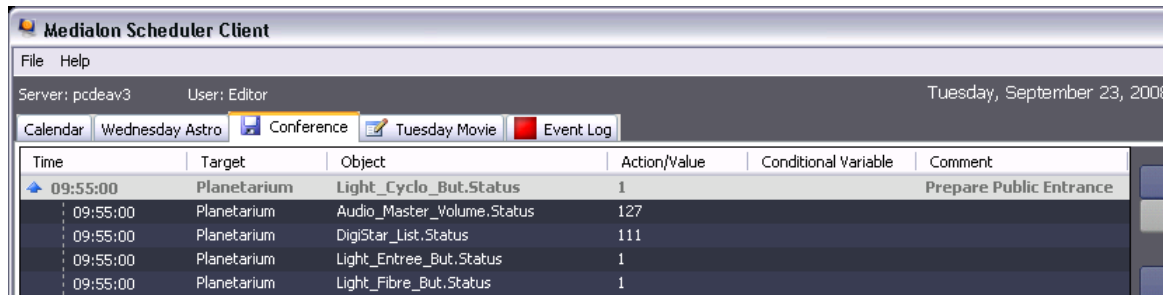
  

Time	Target	Object	Action/Value	Conditional V.
10:16:00	Planetarium	Show02	Play	
10:46:00	Planetarium	Show04	Play	

## Schedule Tab Events List

A Schedule is composed of Events. The Schedule tab gives the list of Events included in the Schedule.

An event is made of the following parts:



The screenshot shows the Medialon Scheduler Client interface. At the top, it displays 'Server: pcdav3', 'User: Editor', and the date 'Tuesday, September 23, 2008'. Below this is a menu bar with 'Calendar', 'Wednesday Astro', 'Conference', 'Tuesday Movie', and 'Event Log'. The main area contains a table with the following data:

Time	Target	Object	Action/Value	Conditional Variable	Comment
09:55:00	Planetarium	Light_Cyclo_But.Status	1		Prepare Public Entrance
09:55:00	Planetarium	Audio_Master_Volume.Status	127		
09:55:00	Planetarium	DigiStar_List.Status	111		
09:55:00	Planetarium	Light_Entree_But.Status	1		
09:55:00	Planetarium	Light_Fibre_But.Status	1		

- **Time:** execution hour of the event.
- **Target:** name of Medialon Manager Target which will execute the command.
- **Object:** name of the Target Object which receives the command.
- **Action/Value:** designation of the action to execute or new variable value to set.
- **Conditional Variable:** Name of the variable used to return Event status.
- **Comment:** additional information for the Event.

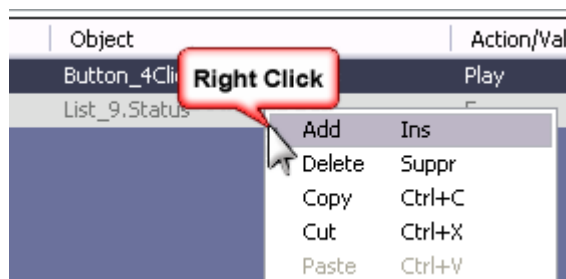
## Schedule Event

A Schedule Event is an action or command which will be remotely executed by a Medialon Manager Target.

### Inserting a New Event

To add an Event into a Schedule, follow one of the methods below:

1. Click on the "Add" button.
2. Right Click inside the Schedule.



3. Type **Ins** on your keyboard.

An empty Event is added after the last Event in your Schedule.

## Event Edition

To change Event parameters:

1. Select an Event in the list.
2. Click on a parameter to change it.



### Event Time


Define the hour when the Event will trigger.

A Schedule is a 24h period. An Event cannot have Time greater than 23:59:59. Time is based on 24 hour clock format (Ex: 1 PM = 13:00:00/00).

Time for the first Event is defined by Day Rollover Hour setting (see page 45).

Examples of Event execution order:

Day Rollover Hour	00:00:00	04:00:00	23:00:00
Event 1 (00:00:00)	Event 1 (00:00:00)	Event 3 (05:00:00)	Event 7 (23:00:00)
Event 2 (02:00:00)	Event 2 (02:00:00)	Event 4 (12:00:00)	Event 1 (00:00:00)
Event 3 (05:00:00)	Event 3 (05:00:00)	Event 5 (20:00:00)	Event 2 (02:00:00)
Event 4 (12:00:00)	Event 4 (12:00:00)	Event 6 (22:30:00)	Event 3 (05:00:00)
Event 5 (20:00:00)	Event 5 (20:00:00)	Event 7 (23:00:00)	Event 4 (12:00:00)
Event 6 (22:30:00)	Event 6 (22:30:00)	Event 1 (00:00:00)	Event 5 (20:00:00)
Event 7 (23:00:00)	Event 7 (23:00:00)	Event 2 (02:00:00)	Event 6 (22:30:00)

 Quick edits can be performed using the reformatting mechanism of the time field.

Examples:

- Entering 10 with your keyboard will be formatted as 10:00:00/00
- Entering 0045 gives 00:45:00/00
- Entering 1530 gives 15:30:00/00

## Target

Choose the Target to whom the Event will be addressed.

1. By clicking once on the Target field, it will open a drop down list of configured Targets.

Time	Target	Object
11:20:00	MNG AV1	Button_4Click
11:21:00	MNG AV1 MNG AV2	List_9.Status

2. Select the desired Target.

## Objects

Select the Object to whom the Event will perform an action.

1. By clicking once on the Object field in the Event, it will open the Object Selector window.



2. Select the type using the tabs.
3. Click on the desired Object to make your selection.

Three types of Objects can be shared by Medialon Manager as a Target in order to be scheduled.

- Tasks: sequence of actions
- Cues from Cue Library: direct command
- Variables: information container

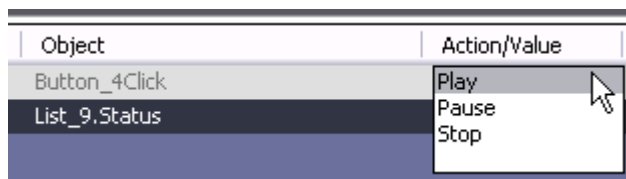
 *To learn more about sharing objects in Medialon Manager V5, See "Medialon Manager User Groups" on page 87.*

Only Objects present in the Target Shared Group will be available for scheduling. Furthermore, Medialon Scheduler Server Configuration could make Objects visible or not. *See "Scheduler Server Configuration / Miscellaneous" on page 45.*

### *Action/Value*

The type of Object selected in the Event defines the list of Actions that can be performed.

By clicking once on the Action/Value field in the Event, it will open the Action Selector.



- **Task Actions**

Play: starts the selected task in the Target Manager.

Pause: pauses the selected task in the Target Manager.

Stop: stops the selected task in the Target Manager.

- **Variable Actions**

Set Value: Enter the new value to be set to the selected variable in the Target Manager.

- **Cue commands**

Execute: executes the selected Library Cue in the Target Manager.

### *Conditional Variable*

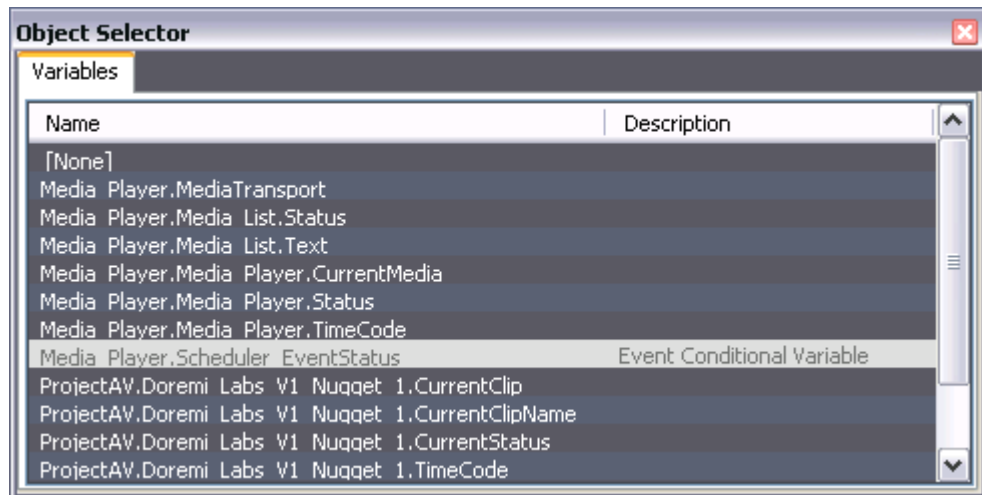
a Schedule Events can take 3 possible states.


- Ready: the Event will be executed.
- Disabled: the Event will not be executed.
- Error: the Event presents an error.

It is possible to manage this Event status with a Target Medialon Manager Variable, which is the Event Conditional Variable.

Medialon Scheduler will continuously monitor this variable and set the status of the Event accordingly. This mechanism allows you to control whether Events will be triggered or not by updating the value of its Conditional Variable.

By clicking once on the Conditional Variable field in the Event, it will open the Variable Selector.



 *Note that you can select a variable coming from any connected Target.*

Rules for Target Variable used as Conditional Variable:

- Medialon Manager Variable Type can be:
  - Interger
  - String
  - Enum
- Medialon Manager Variable must be equal to the following values:
  - 0 or ready
  - 1 or disabled
  - 2 or error

### *Comment*

Event Comment field allows you to enter a comment for informational purposes, or explanations for Editor and Viewers.

Click once on the Conditional Variable field in the Event to enter your comment.

# The Calendar

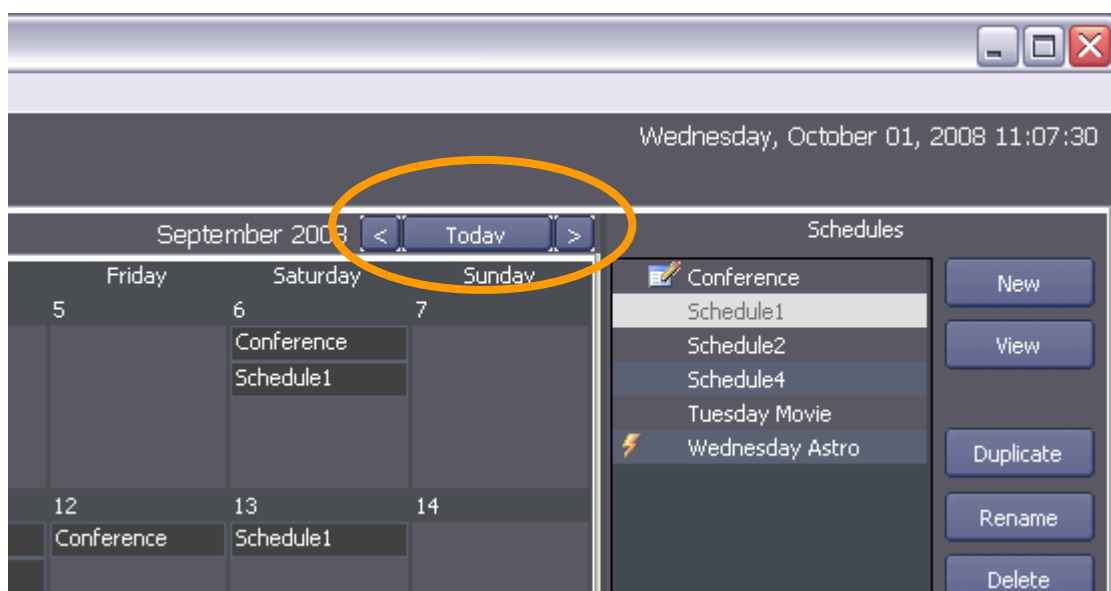
## Definition

The calendar determines when schedules must be executed. Medialon Scheduler maintains a list of schedules which must be executed for each day of the year. Several schedules may be executed in the same day.

The day is defined by a period of 24 hours. In some applications, "the workable day switch" can exceed midnight. Medialon Scheduler Calendar uses the Day Rollover Hour as start time for a new day.

## Calendar Views

You can browse the Calendar using the Navigator buttons on the top right hand side of the Calendar, or by using the scroll wheel of your mouse.



To go back to the current day position, click on the "Today" button.

The right section of Calendar shows the list of available Schedules and command buttons.

There are four different Views for the Calendar:

### Calendar Month View

With this view, you have a complete month on screen.

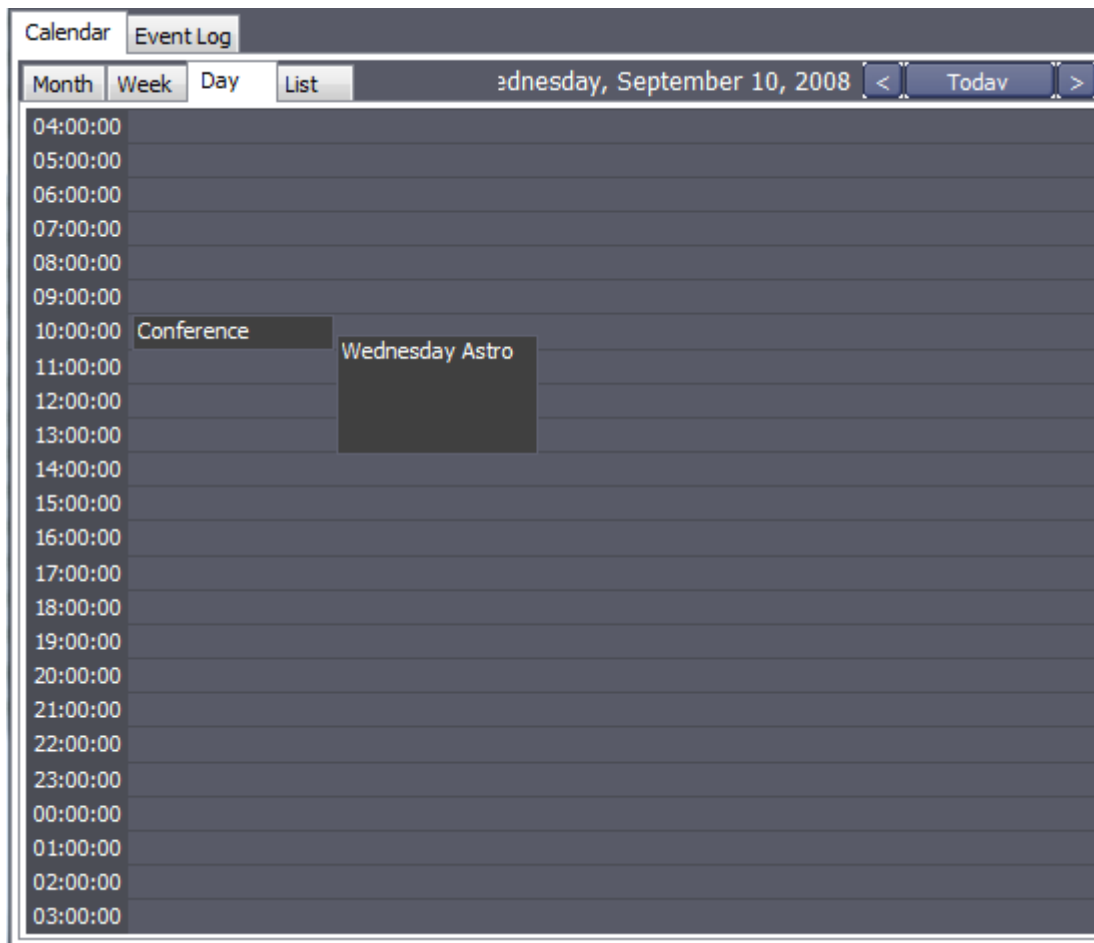
Calendar		Event Log							
Month	Week	Day	List	September 2008			<	Today	>
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
1	2	3	4	5	6	7			
8	9	10	11	12	13	14			
	Conference	Conference Wednesday...	Conference Schedule 1	Conference					
15	16	17	18	19	20	21			
		Wednesday...	Schedule 1						
22	23	24	25	26	27	28			
		Wednesday...		Conference					
29	30	1	2	3	4	5			

### Calendar Week View

Calendar		Event Log							
Month	Week	Day	List	- Sunday, September 14, 2008			<	Today	>
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
8	9	10	11	12	13	14			
	Conference	Conference Wednesday...	Conference Schedule 1	Conference					

## Calendar Day View

With this view, you have an overview of the activities in a selected day. This view takes into account the Day Rollover Hour settings. Each schedule is positioned at the time of its first event.



Schedule duration is also visible in this view. In case of 2 Schedules overlapped, the second Schedule is shifted to the right so that both Schedules are entirely visible.

## Calendar List View

This list view is more dedicated to be used as a summary view of all Schedule entries in your calendar.

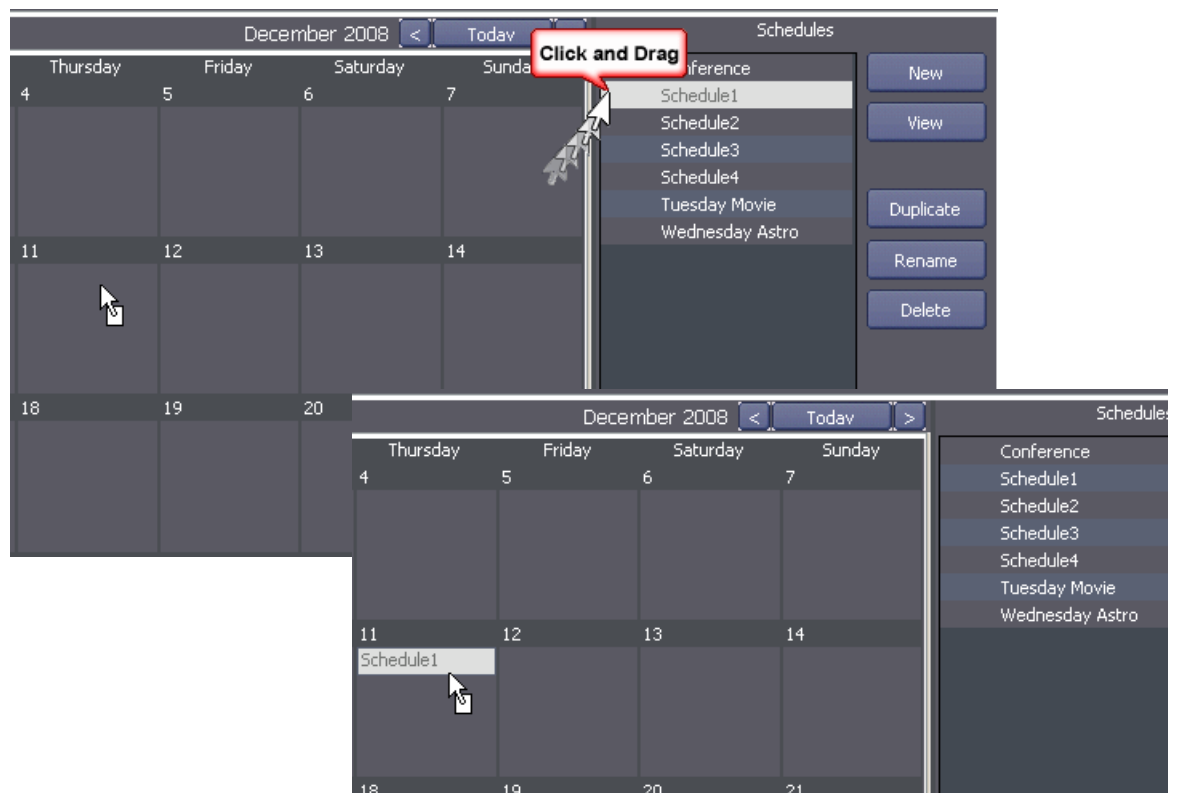
When	Schedule	From	To	Comment
Wednesday	Wednesday Astro	8/27/2008	11/1/2008	School Session
9/9/2008	Conference			
9/10/2008	Conference			
9/11/2008	Conference			
9/11/2008	Schedule1			
9/12/2008	Conference			
9/18/2008	Schedule1			
9/26/2008	Conference			

With this view, periodic entries appear as only one entry with day and period limits information.

## Calendar Entries

### Creating Calendar Entries

To create a new calendar event: drag one or several Schedules from the Schedule List to a day in the calendar. This will insert the Schedule(s) into the Calendar.




If a Schedule is dragged into the current Date, it will automatically become active.

You may use the Ctrl or Shift keys for selecting multiple Schedules. Shift selects all Schedules between the first and last selection, and Ctrl select multiple individual Schedules.

## Editing Calendar Entries

To modify a calendar event: double left click on the calendar entry to open the Calendar Entry window.

- **Schedule:** Allows you to choose a different Schedule.
- **Date:** Allows you to change the Date of the entry.
- **Week Day:** Allows you to specify a time span for the Schedule to play. The Schedule will be inserted into the Calendar on the chosen day of the week during a period of time.
  - **From date:** defines the start date of the period.
  - **To date:** defines the end date of the period.

 *These will still be considered as a single entry in the Calendar and can be modified as such.*

- **Comment:** Allows you to comment the Calendar Entry.
- **Delete Entry:** Deletes the Entry from the Calendar. This operation can be undone by typing **Ctrl+Z** or by right Clicking in the Calendar and choosing the Undo option.
- **Ok/Cancel:** To validate or to cancel the edits.

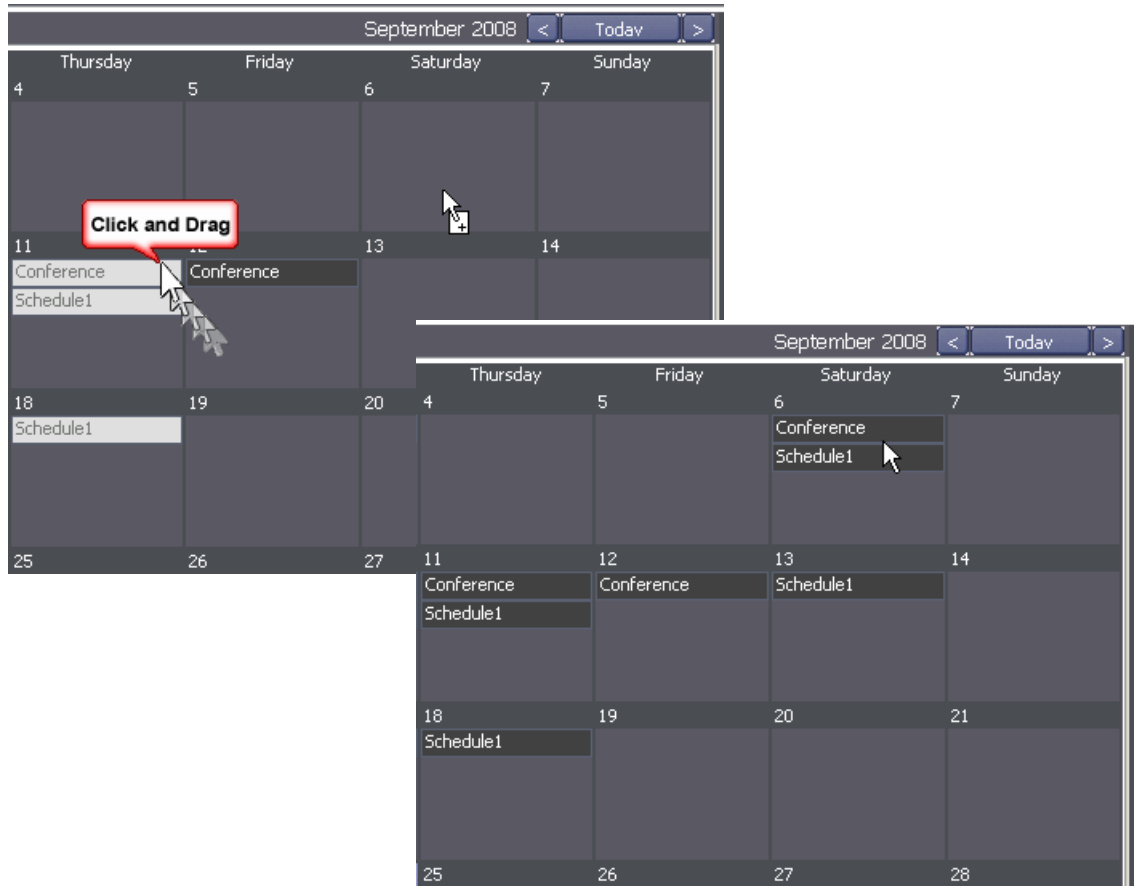
## Calendar Entry Management


### Move Entry

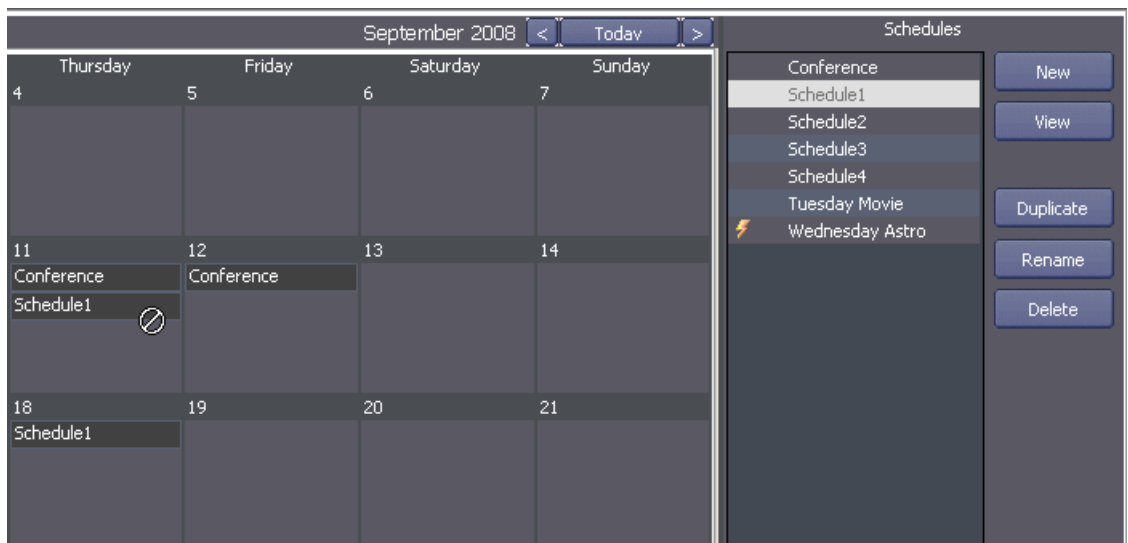
Calendar Entry can be dragged from one date to another. If multiple Schedules are dragged, the relative date differences between them will be kept.

### Copy Entry

Holding the **Ctrl** key and dragging a Calendar Entry to a new day creates a copy of this entry to this new position.



 If you try to move or copy a Schedule into a position where it is already present, this action will be ignored.



## SCHEDULER EVENTLOG

**In this section we describe Medialon Scheduler Alarm and Error messages.**



# The Logs

In order to trace the event work-flow or any event execution error, an event logging mechanism generates log files.

Events are classified in categories:

- Event: Schedule/Calendar event traces
- Info: Information
- Alert: Something appends which is not critical
- Error: Something appends which is critical

## Schedule Logs

The Schedule Logs trace the Activity of the Schedules and the Calendar.

Date	Type	Description
26/09/2008 10:44:35	Info	Schedule Event 'Conference-6' Executed
26/09/2008 10:44:35	Info	Schedule 'Conference' Unactivated
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Light_Master_Level.Status' 100 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'DigiStar_List.Status' 111 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Light_Sorbie_But.Status' 1 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Light_Cyclo_But.Status' 1 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Light_Entree_But.Status' 1 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Light_Fibre_But.Status' 1 Failed, Error (Object or Parent Doesn't Exist)
26/09/2008 10:44:35	Error	[Planetarium] Variable 'Audio_Master_Volume.Status' 127 Failed, Error (Object or Parent Doesn't Exist)
01/10/2008 10:34:50	Info	Schedule 'Wednesday Astro' Activated
01/10/2008 10:35:00	Error	Schedule Event failed (Wednesday Astro - 8), Target 'Planetarium' not connected
01/10/2008 11:02:41	Info	Schedule 'Schedule3' EditMode set to OFF by pcdeav.
01/10/2008 11:02:47	Info	Schedule 'Schedule3' EditMode set to OFF by pcdeav.
01/10/2008 11:05:34	Info	Schedule 'Schedule3' deleted by pcdeav.
01/10/2008 11:05:44	Info	Schedule 'Conference' EditMode set to OFF by pcdeav.
01/10/2008 11:05:47	Info	Schedule 'Conference' EditMode set to OFF by pcdeav.
01/10/2008 11:05:52	Info	Schedule 'Conference' EditMode set to OFF by pcdeav.
01/10/2008 11:07:13	Info	Schedule 'Conference' EditMode set to ON by pcdeav.
01/10/2008 11:24:32	Info	Schedule 'Schedule1' EditMode set to OFF by pcdeav.
01/10/2008 11:24:52	Info	Schedule 'Schedule1' EditMode set to OFF by pcdeav.
01/10/2008 11:24:58	Info	Schedule 'Conference' EditMode set to OFF by pcdeav.
01/10/2008 11:25:02	Info	Schedule 'Schedule2' EditMode set to OFF by pcdeav.
01/10/2008 11:25:08	Info	Schedule 'Schedule2' EditMode set to ON by pcdeav.
01/10/2008 14:00:00	Info	Schedule Event 'Wednesday Astro-3' Executed
01/10/2008 14:00:00	Event	[Planetarium] Variable 'Light_Cyclo_But.Status' 1 Succeed
01/10/2008 14:00:00	Info	Schedule Event 'Wednesday Astro-6' Executed
01/10/2008 14:00:00	Event	[Planetarium] Variable 'Light_Master_Level.Status' 90 Succeed
01/10/2008 14:00:00	Info	Schedule Event 'Wednesday Astro-4' Executed
01/10/2008 14:00:00	Event	[Planetarium] Variable 'Light_Entree_But.Status' 1 Succeed
01/10/2008 14:00:00	Info	Schedule Event 'Wednesday Astro-5' Executed
01/10/2008 14:00:00	Event	[Planetarium] Variable 'Light_Fibre_But.Status' 1 Succeed
01/10/2008 14:05:00	Info	Schedule Event 'Wednesday Astro-7' Executed
01/10/2008 14:05:00	Info	Schedule 'Wednesday Astro' Unactivated
01/10/2008 14:05:00	Error	[Media_Player] Task " Failed, Error (Unknown Operation)

### Schedule Alert

- *IDs of schedule '<schedulename>' have been reallocated.*

The schedule events internal ids have been reallocated, due to inconsistency in ids. This generally occurs when a schedule has been changed by another editor.

- *Schedule '<schedulename>' cannot be activated (requested by <computername or SchedulerServer>).*

The requested schedule cannot be activated. This is generally the case when the schedule name does not exist anymore.

### Schedule Error

- *Unable to load schedule '<schedulename>' (requested by <computername or SchedulerServer>).*

The given schedule cannot be loaded from the disk. This generally occurs when the file doesn't exist anymore (or if the file is corrupted) and the schedule is referenced in the schedule list or in the calendar.

- *Update Schedule '<schedulename>' failed (requested by <computername or SchedulerServer>).*  
The update of the given schedule, from the file content has failed. This generally occurs when the file doesn't exist anymore (or if the file is corrupted).
- *Activation failed, schedule '<schedulename>' doesn't exist (requested by <computername or SchedulerServer>).*  
The given schedule cannot be activated. This generally occurs when the schedule is referenced in the calendar, but the schedule itself doesn't exist anymore.
- *Schedule Event (<schedulename>-<eventid>) is 'Disabled'.*  
The given event cannot be executed because the event is in "Disabled" state.
- *Schedule Event (<schedulename>-<eventid>) is 'Error'.*  
The given event cannot be executed because the event is in "Error" state.
- *Schedule Event failed (<schedulename>-<eventid>), Target '<targetname>' doesn't exist.*  
The given event cannot be executed because the target which is referenced in the event doesn't exist anymore. This generally occurs when a target is removed from the server setup.
- *Schedule Event failed (<schedulename>-<eventid>), Target '<targetname>' not connected.*  
The given event cannot be executed because the target which is referenced in the event is not connected. This generally occurs when the target is not physically online.

### *Schedule Info*

- *Schedule '<schedulename>' Reloaded.*  
The given schedule has been reloaded from the disk.
- *Schedule '<schedulename>' Reloaded (IDs have been reallocated).*  
The given schedule has been reloaded from the disk and its ids have been reallocated due to inconsistency.
- *Schedule Event '<schedulename>-<eventid>' set to Ready.*  
The given event status has been set to 'Ready'.
- *Schedule Event '<schedulename>-<eventid>' set to Disabled.*  
The given event status has been set to 'Disabled'.
- *Schedule Event '<schedulename>-<eventid>' set to Error.*  
The given event status has been set to 'Error'.
- *Schedule Event '<schedulename>-<eventid>' Executed.*  
The given event has been executed successfully.
- *Schedule '<schedulename>' Activated.*  
The given schedule has activated.
- *Schedule '<schedulename>' Unactivated.*  
The given schedule has unactivated.

- *Schedule '<schedulename>' updated by <computername>.*  
The given schedule has been updated by the given user.
- *Schedule '<schedulename>' renamed to '<newschedulename>' by <computername>.*  
The given schedule has been renamed by the given user.
- *Schedule '<schedulename>' deleted by <computername>.*  
The given schedule has been deleted by the given user.
- *Schedule '<schedulename>' created by <computername>.*  
The given schedule has been created by the given user.

### *Calendar Info*

- *Calendar updated by <computername>.*  
The calendar has been updated by the given user.
- *Calendar EditMode set to ON by <computername>.*  
The calendar has been switched in edit mode by the given user.
- *Calendar EditMode set to OFF by <computername>.*  
The calendar has been switched off edit mode by the given user.
- *Calendar has been modified by <computername | FILEACCESS>.*  
The calendar has been modified either by the given user or because its file has been modified.

# System Logs

System Logs trace the activity of the Scheduler Server.

Date	Type	Description
30/09/2008 10:42:45	Notify	Medialon Scheduler Server Version: 1.0.0 Beta 13
30/09/2008 10:42:45	Info	Initializing...
30/09/2008 10:42:47	Info	TCP Server Started.
30/09/2008 10:42:47	Info	NDD Agent Started.
30/09/2008 10:42:47	Info	Starting Scheduler Engine...
30/09/2008 10:42:47	Notify	Redundancy mode: Primary
30/09/2008 10:42:47	Info	Connecting Targets...
30/09/2008 10:42:48	Info	Connecting 'Media_Player (pcdeav3)'...
30/09/2008 10:42:48	Info	Connecting 'Planetarium (pcdeav3)'...
30/09/2008 10:42:48	Info	Connecting 'ProjectAV (pcdeav)'...
30/09/2008 10:42:48	Info	Secondary server configuration update is pending
30/09/2008 10:42:49	Error	Connection to 'Media_Player (pcdeav3)' failed: Connection Failed
30/09/2008 10:42:49	Error	Connection to 'Planetarium (pcdeav3)' failed: Connection Failed
30/09/2008 10:43:08	Info	Secondary server configuration update is pending [R]
30/09/2008 10:43:09	Error	Connection to 'ProjectAV (pcdeav)' failed: Connection Failed
30/09/2008 10:43:28	Info	Secondary server configuration update is pending [R]
30/09/2008 10:43:48	Info	Secondary server configuration update is pending [R]
30/09/2008 10:43:49	Info	Stopping Scheduler...
30/09/2008 10:43:49	Info	Stopping NDD Agent...
30/09/2008 10:43:49	Info	Stopping TCP Server...
30/09/2008 10:43:49	Info	Stopping Scheduler Engine...
30/09/2008 10:43:49	Info	Disconnecting Targets...
30/09/2008 10:43:49	Alert	'Media_Player (pcdeav3)' Was not connected.
30/09/2008 10:43:49	Alert	'Planetarium (pcdeav3)' Was not connected.
30/09/2008 10:44:02	Alert	'ProjectAV (pcdeav)' Was not connected.
30/09/2008 10:44:02	Info	Scheduler Stopped.
30/09/2008 10:44:04	Info	Scheduler Stopped.
30/09/2008 10:44:24	Info	Server initiated as a service.
30/09/2008 10:44:25	Notify	Medialon Scheduler Server Version: 1.0.0 Beta 13
30/09/2008 10:44:25	Info	Initializing...
30/09/2008 10:44:26	Info	TCP Server Started.
30/09/2008 10:44:27	Info	NDD Agent Started.
30/09/2008 10:44:27	Info	Starting Scheduler Engine...
30/09/2008 10:44:27	Notify	Redundancy mode: Primary
30/09/2008 10:44:27	Info	Connecting Targets...

The following alert or error events will be traced:

## Error

- *Startup invalid error code received: <errorcode>.*

A fatal error occurred during the startup process, the application has aborted.
- *Unable to start TCP Server.*

The TCP server couldn't be started (this error is generally due to an unavailable IP Port)
- *Unable to start NDD Agent: <errormessage>.*

The NDD (Network Device Detection) agent couldn't be started (this error is generally due to an unavailable IP Port)
- *Unable to start SNMP Client Agent.*

The SNMP agent couldn't be started (this error is generally due to an unavailable IP Port)
- *<computername> ( <connectioninfo> ) Client Connection rejected: Too many clients.*

The client connection has been rejected because there are already too many clients already connected.
- *<computername> ( <connectioninfo> ) Client Connection rejected: Too many admin clients.*

The client connection has been rejected because there are already too many admin clients already connected.

- *<computername> ( <connectioninfo> ) Client Connection rejected: Secondary offline server can only accept admin clients.*  
The client connection has been rejected because the secondary server does only accept admin client connections.
- *<computername> ( <connectioninfo> ) Client Connection rejected: Wrong password.*  
The client connection has been rejected because the given password is wrong.
- *Consistency Schedule IDs Fixup Failed.*  
The consistency check of schedule ids has failed. This may cause schedule events to not be properly executed. This error can occur either because a file access has been denied or because there is too many id mismatch.
- *Targets File Corrupted.*  
The file containing the target description is corrupted.
- *Connection to '<targetname> (<targetip>)' failed: <errormessage>.*  
The connection to the given target has failed due to the given error.
- *Secondary server configuration update failed.*  
The update of the secondary server configuration has failed (no known reason).
- *Secondary server configuration update failed: <errormessage>.*  
The update of the secondary server configuration has failed due to the given error.

### Info

- *Application stopped.*  
The Scheduler server application is now stopped.
- *Server initiated as command line mode.*  
The Scheduler server has been launch as command line mode (console mode).
- *Server initiated as a service.*  
The Scheduler server has been launch as a service.
- *System Log File is <logfilefilename>.*  
This indicates the name and location of the system log file.
- *Event Log File <logfilefilename>.*  
This indicates the name and location of the schedule log file.
- *Scheduler Started.*  
The Scheduler server has been started successfully.
- *Scheduler Stopped.*  
The Scheduler server has been stopped successfully.
- *Synchronizing server configuration (resrequested by <computername | 'SchedulerServer'>) ...*  
The synchronization of the server configuration is being started.

- *Changing server configuration (resquested by < computername | 'SchedulerServer'>) ...*  
The change of the server configuration is being started.
- *TCP Server Started.*  
The TCP server has been started successfully.
- *NDD Agent Started.*  
The NDD (Network Device Detection) agent has been started successfully.
- *Starting Scheduler Engine...*  
The Scheduler engine is being started.
- *SNTP Client Agent Started.*  
The SNTP agent is being started.
- *Server configuration synchronized successfully.*  
The synchronization of the server configuration has been terminated successfully.
- *Server configuration "changed successfully.*  
The change of the server configuration has been terminated successfully.
- *Initializing...*  
The Scheduler server initialization is being started.
- *Stopping Scheduler...*  
The Scheduler server stop process is in progress.
- *Stopping NDD Agent...*  
The NDD (Network Device Detection) agent stop process is in progress.
- *Stopping TCP Server...*  
The TCP server stop process is in progress.
- *Stopping Scheduler Engine...*  
The Scheduler engine stop process is in progress.
- *<computername>s Client Connected as <userlevel> ( <connectioninfo> ).*  
A client connection with the given user level has been accepted.
- *"<computername> Client Disconnected."*  
A client has disconnected.
- *Consistency Schedule IDs Fixup Done.*  
The consistency check of schedule ids is terminated.
- *Calendar Consistency IDs Fixup Done.*  
The consistency check of calendar ids is terminated.
- *'<targetname> (<targetip>)' Connected.*  
The given target has been successfully connected.

- *'<targetname> (<targetip>)' Disconnected.*  
The given target has been successfully disconnected.
- *Secondary server targets connection suspended...*  
Target connections from the secondary server are suspended. This is the case when the secondary target connections are done only when the secondary takes over the primary.
- *Connecting Targets...*  
The target connections are in progress.
- *Disconnecting Targets...*  
The target disconnections are in progress.
- *'<targetname> (<targetip>)' Disconnected.*  
The given target is disconnected.
- *Connecting '<targetname> (<targetip>)'...*  
The connection for the given target is in progress.
- *Begin Health Notification.*  
The primary server starts a health notification towards the secondary server.
- *End Health Notification.*  
The primary server stops the health notification towards the secondary server.
- *Primary Server Begin Health Checking.*  
The secondary server will start receiving the primary health notifications.
- *Primary Server End Health Checking.*  
The secondary server will stop receiving the primary health notifications.
- *Secondary server configuration update succeeded.*  
The secondary server configuration has been updated successfully.
- *End Health Notification (Secondary server configuration update requested).*  
The health notification is suspended because an update of the secondary server configuration is requested.
- *Secondary server configuration update is pending.*  
The primary server waits for the end of secondary server configuration update process, after a request.
- *Secondary server configuration update is pending [R].*  
The primary server waits for the end of secondary server configuration update process after a request retry. The secondary server didn't acknowledge the request in the regular delay.

### Notification

- *Redundancy mode: Primary.*  
The Scheduler server is running a primary server.

- *Redundancy mode: Secondary.*  
The Scheduler server is running a secondary server.
- *Medialon Scheduler Server Version: <versionnumber>.*  
The Scheduler server version is given.
- *Takeover Primary Server '<servername>', server doesn't respond anymore.*  
The secondary server takes over the primary because the primary doesn't notify health anymore.
- *Primary Server '<servername>' Takeover again.*  
The primary server takes over again, while the secondary is active. This generally occurs when a primary server recover from a failure.
- *Secondary Server Takeover, event execution is suspended.*  
The primary has detected that the secondary has taken over and therefore suspend events execution. This should normally never occur except if the communication between the both servers is not symmetrical, for some reason.
- *Secondary Server Release Takeover, event execution is resumed.*  
The primary has detected that the secondary has released the takeover and therefore resume events execution.

#### *Alert*

- *NDD Agent is disabled.*  
The NDD (Network Device Detection) is not used.
- *No Client connections allowed due to licensing limitation.*  
Client connections are not allowed because the server is not properly licensed. This can occurs if the dongle is removed or not plugged.
- *||||||| NOT LICENSED ANYMORE |||||*  
The Scheduler server is not licensed anymore. This generally occurs when the dongle is removed while the server is running.
- *||||||| LICENSE IS EXPIRED |||||*  
The Scheduler server is not licensed anymore, because the licensed has expired.
- *||||||| LICENSE IS VALID AGAIN |||||*  
The Scheduler server is licensed again. This generally occurs when the dongle is plugged again while the server is running.
- *||||||| NOT LICENSED |||||*  
The Scheduler server is not licensed. This generally occurs if the dongle is not plugged when the server starts.
- *Client Connections closed due to local admin connection.*  
The client connections have been closed because an administrator client has connected locally.

- *Admin client Connection (<computername> - <connectioninfo>) closed due to local admin connection.*

The admin client connection has been closed because an administrator client has connected locally.
- *Client connections closed due to licensing limitation.*

The client connections have been closed because the server license is not valid anymore.
- *'<targetname> (<targetip>)' Removed due to licensing limitation.*

The given target has been removed because the licensing has changed.
- *NO Targets available.*

There is currently no target neither defined in the system nor active.
- *Only the first <countoftarget> targets are available due to licensing limitation.*

This indicates that the number of available targets has been reduced to the given number, because the licensing has changed.
- *No Target is available due to licensing limitation.*

This indicates that there is no available, because the licensing has changed.
- *'<targetname> (<targetip>)' Was not connected.*

Indicates that the given target wasn't connected when the system proceed the target disconnection process.
- *End Health Notification (Secondary Offline).*

The primary server has stopped health notification towards the secondary server because the secondary server has been stopped.

# Client Logs

Client Logs trace the Client connections to the Server.



Date	Type	Description
10/02/2008 09:33:57	Info	Medialon Scheduler Started
10/02/2008 09:35:53	Error	Client Request Time Out
10/02/2008 09:35:53	Alert	"" Disconnected
10/02/2008 09:36:11	Info	Connected to "localhost" as Admin
10/02/2008 09:36:12	Error	XML Data are invalid
10/02/2008 09:36:18	Info	Connected to "localhost" as Admin
10/02/2008 09:36:18	Error	XML Data are invalid
10/02/2008 09:36:36	Alert	"localhost" Disconnected
10/02/2008 09:43:26	Info	Connected to "pcdeav3" as Editor
10/02/2008 09:43:33	Error	Log file line doesn't exist
10/02/2008 09:43:33	Error	Log file line doesn't exist

 These logs are not save into a file by Scheduler Client.

List of messages reported by the Scheduler Client in the client event log tab.

## Error/Event messages

- "Undefined Error"
- "Not available, reboot in progress"
- "Unable Perform This Operation"
- "Unsupported Protocol Version"
- "Not Yet Implemented"
- "XML Data are invalid"
- "Guid doesn't exist"
- "Unknown Message"

## Client messages

- "Invalid Request In this Session type."
- "Invalid Login"
- "Too Many Clients"
- "Too Many Admin Clients"
- "Log file indexing is in progress"
- "Log file line doesn't exist"

## Server messages

- "Secondary offline server cannot accept editor clients"
- "Server Configuration Gathering Failed"
- "Change of Server Configuration Failed"
- "The server is not a secondary server"
- "No response from server": Server response timeout
- "Server not connected": A request is made while the server is not connected
- "Target has returned an error"

*Schedule messages*

"Name already used"

"Invalid Parameter"

"File access denied or a file error occurred"

"Operation denied, invalid level": Viewer tries to do something only Editors are allowed to

"Schedule is activated"

"Schedule doesn't exist"

"Schedule is currently edited"

"An exclusive access is required to perform this operation": A schedule is already edited



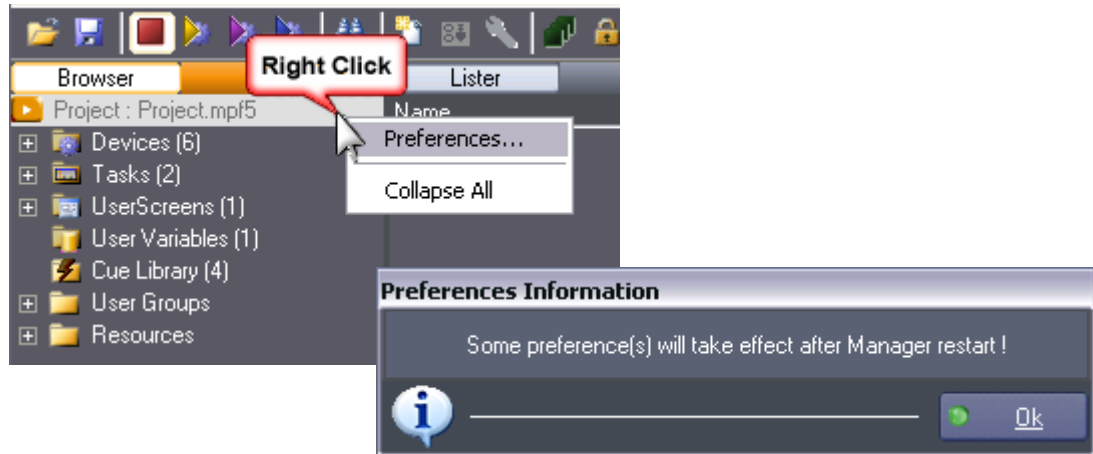
# ANNEXES

## Scheduling Medialon Manager



## Medialon Manager Setup

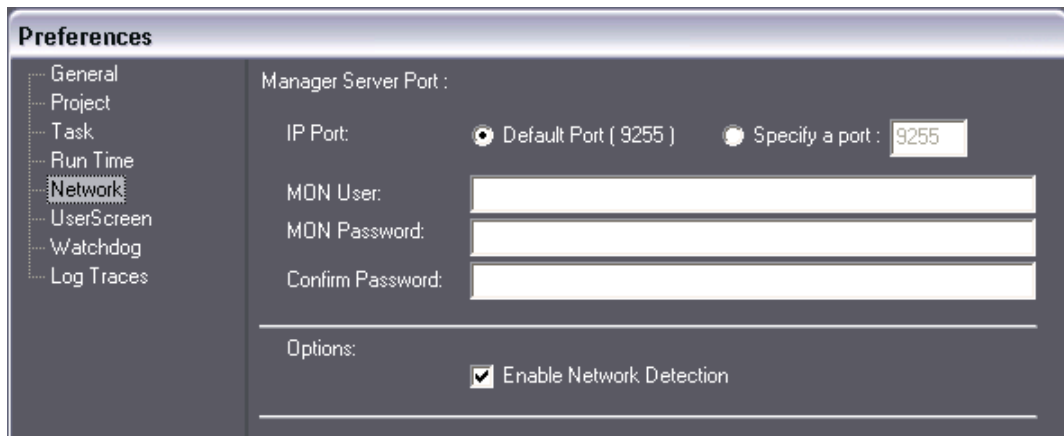
Medialon Manager V5 network connections are configured via the Preferences dialog which can be displayed with the File/Preferences menu or with right Click on Project node in the Browser.



Some preferences need a restart of Manager V5 to take effects.

### Manager On Network Settings

Defines network settings and Manager On Network login.



### Manager Server Port

Defines the IP port used by Medialon Manager V5 to "listen" to the connections of the Medialon Scheduler Server stations.

#### *IP Port*

- **Default Port:** Selects the default port (9255); in this case the clients must also have the "Default port" option selected in "Manager On Network" ("Device" setup).
- **Specify a port:** Allows you to choose an IP port number.

#### *Manager On Network Login*

- **MON User:** Defines the User login when this project needs to have a restricted access.
- **MON Password:** Defines the User password. It needs to be confirmed.

## **Option**

### *Network Detection*

For added security, Medialon Manager V5 now implements network detection of Medialon Scheduler Server hosts before initiating its connection with the Server.

# Medialon Manager User Groups

You may want to setup the structure of your project in separate parts like Show Timeline, Device remote, Treatment process, etc. With the User Groups, you can create groups and sub-groups of objects of the same class (Devices, Variables, Tasks ), this allows you to regroup information that is important for your program.

By default Medialon Manager V5 creates a first User Group with all variables of the project.

User Groups are also used to share objects with other Manager Projects.

## User Group Creation

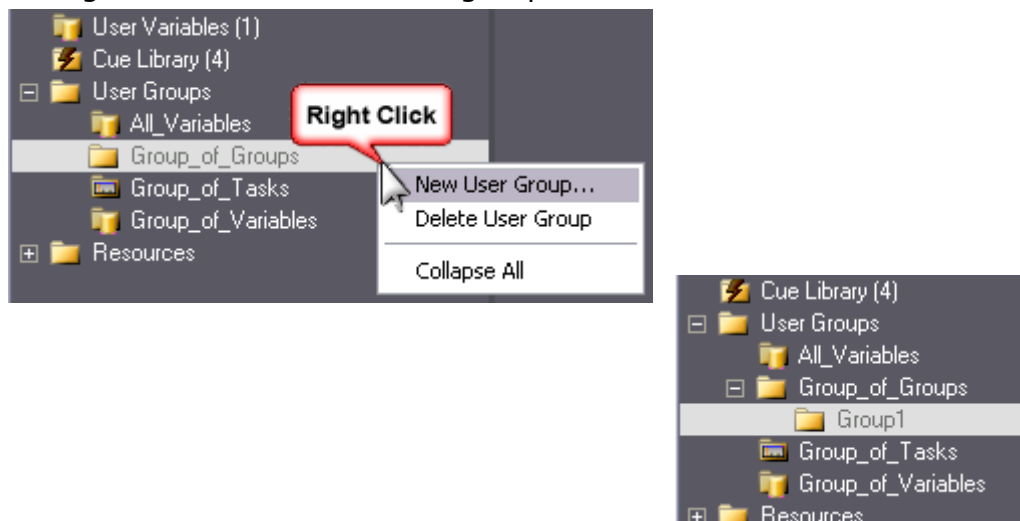
Select User Groups node and right Click to create a new User Group.

The name of this new group can be modified in the Properties tab.

## Sub Group Creation

User Group can only contains one type of object. If you need to group several types of objects, you can create sub groups, one by type of object.

1. Select or create an empty User Group in the Browser.
2. Right Click to create a new group.



3. Rename it if needed.

## Adding Object to User Groups

A User Group can contain only one type of object. The first object added to a User Group defines the type of the User Group.

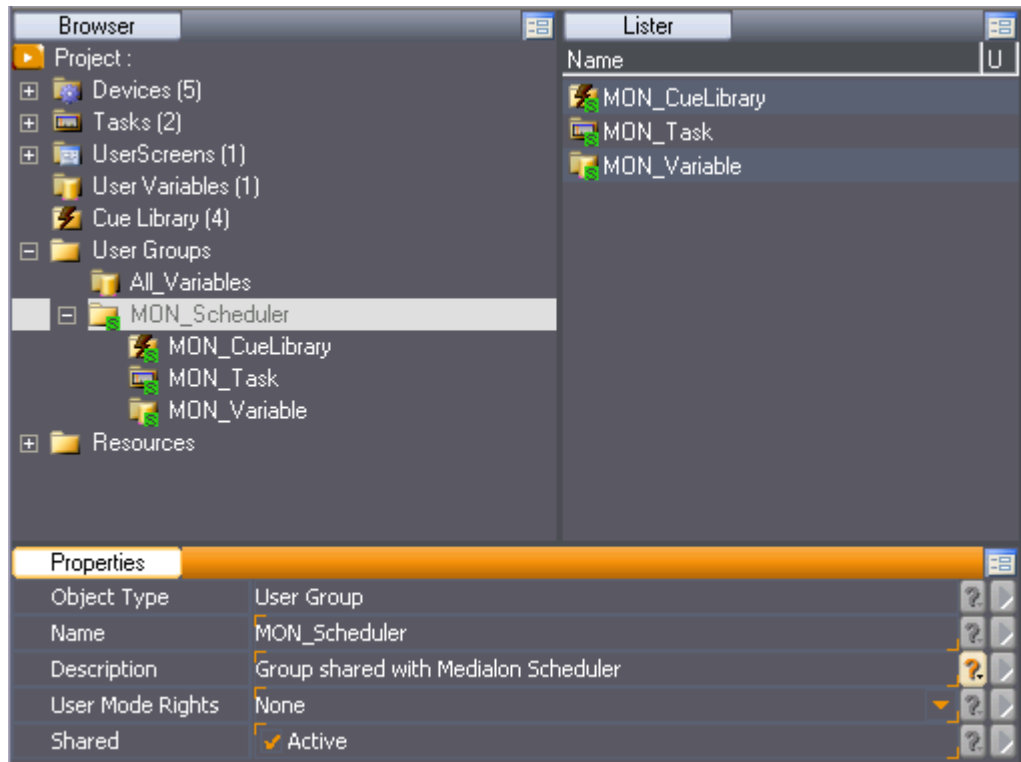
For example: to create a User Group with variables.  
Select some variables and drag and drop them into the User Group.

Then the User Group gives a filtered Object Lister.

Another example with tasks.

## Share Objects

If you wish to exchange information and commands with Medialon Scheduler, activate the Shared option.



Medialon Manager can share Tasks, Cues (from Cue Library) and Variables as available Target Objects in Medialon Scheduler.

## REFERENCES

**In this section, find Medialon Scheduler software shortcuts list and index.**



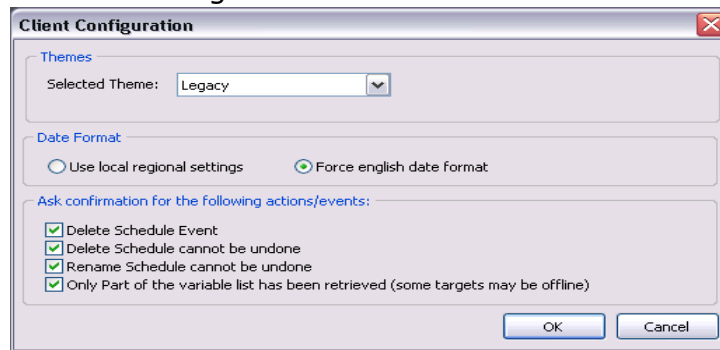
# Scheduler Client Menus

This chapter will describe the different menus available in Medialon Scheduler Client interface.

## File Menu

### *Client Configuration...*

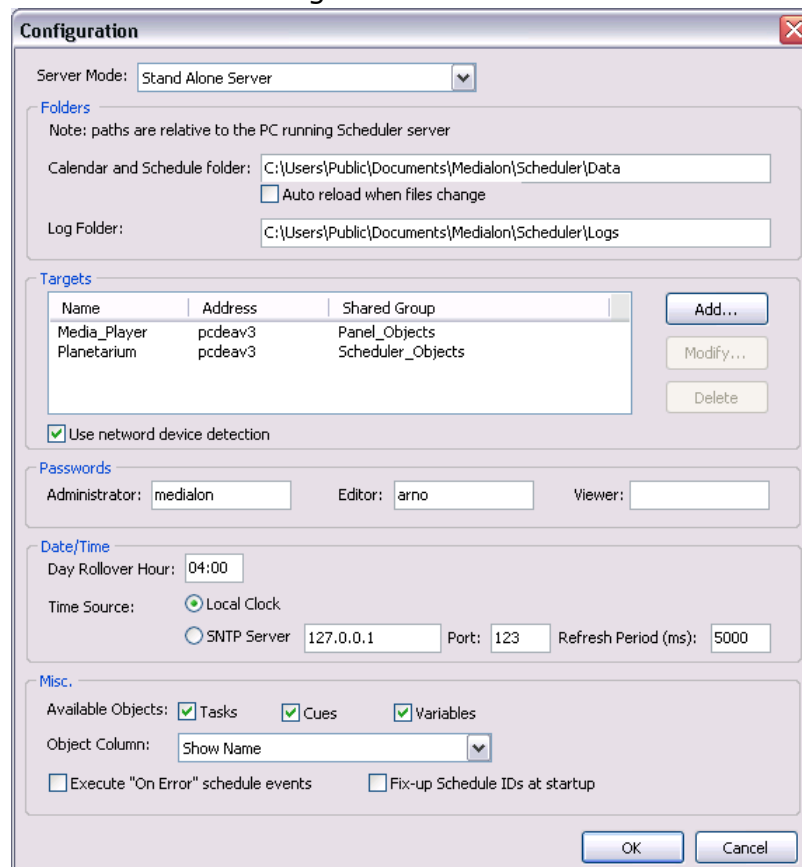
Opens Scheduler Client configuration window. All user can access to this menu.



See more about "Scheduler Client Configuration" on page 49.

### *Server Configuration...*

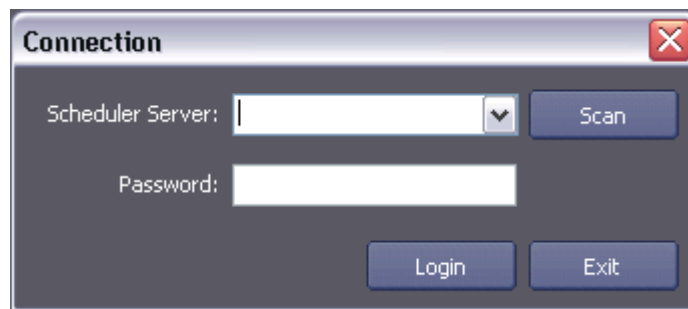
Opens Scheduler Server configuration window. Only Administrator user can access to Scheduler Server configuration.



See more about "Scheduler Server Configuration" on page 41.

## Logout

Closes the current session and opens the login dialog box for a new session.



## Quit

Quits Scheduler Client.

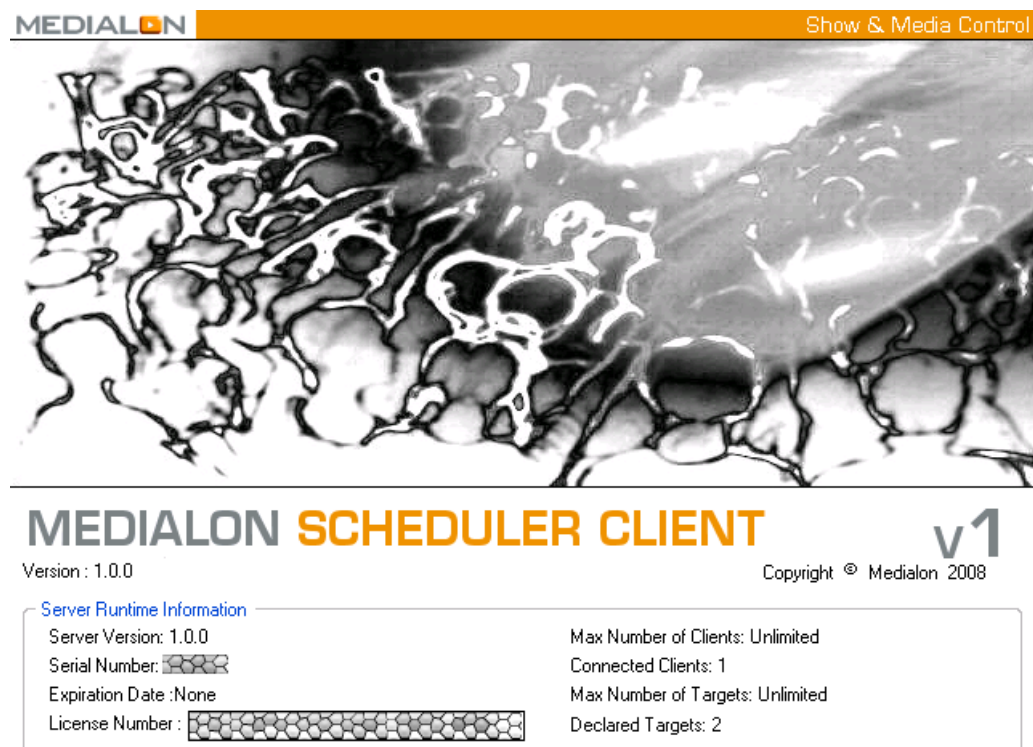
# Help Menu

## Medialon Scheduler Help

Opens this User Manual.

## About

This is the cover page of Medialon Scheduler Client. Here you will find the running version number of Medialon Scheduler.



Runtime information of the connected Scheduler Server (License, Clients and Targets) are also displayed.

# Keyboard Shortcuts

Main Menu		
Quit	Ctrl+Q	Quit Medialon Scheduler Client
Calendar Edition		
Undo	Ctrl+Z	Undo the last action
Redo	Shift+Ctrl+Z	Redo action previously undone
Cut	Ctrl+X	Cut the selected item or text into the clipboard
Copy	Ctrl+C	Copy the selected item or text into the clipboard
Paste	Ctrl+V	Paste the content of the clipboard
Select All	Ctrl+A	Select all events
Group	Ctrl+G	Group selected events
Ungroup	Ctrl+U	Ungroup selected events
Create New Event	INS	Create a new event at the current position
Delete Cue	DEL	Delete selected Cue
Select Next	Down Arrow	Select the next item in the list
Select Previous	Up Arrow	Select the previous item in the list
Save Schedule	Ctrl+S	Save the current Schedule into file
Calendar Edition		
Undo	Ctrl+Z	Undo the last action
Redo	Shift+Ctrl+Z	Redo action previously undone
Select Next	Down Arrow	Select the next item in the list
Select Previous	Up Arrow	Select the previous item in the list

# Action on Double Click

The use of the double Click in Scheduler Client can greatly accelerate your programming speed.

## *Calendar Entry double Click*

Opens up the Calendar Entry for editing.

## *Schedule double Click*

In the Schedule Lister, opens the Schedule in view mode.

# INDEX

## A

- About 92
- Action
  - See Also Event
- Add
  - Event 56, 58
- Administrator 38
  - See also User Access

## C

- Calendar
  - Day Rollover Hour 45
  - Folder 42
  - Tab 39
- Client
  - Calendar 39
  - Configuration 91
    - Date Format 50
  - EventLog 40
  - Login 37
  - Logout 92
  - Quit 92
  - Schedule 39
- Close
  - Schedule 56
- Conditional Variable
  - Event 61
  - Value 62
- Console 30
  - Commands 30

## D

- Date
  - Format 50
- Day Rollover Hour 45, 59
- Delete
  - Event 56
  - Schedule 54
- Duplicate
  - Schedule 54

## E

- Edit
  - Event 59
  - Schedule 56
- Editor 38
  - See also User Access

## Event

- Action 61
- Add 56, 58
- Conditional Variable 61
- Day Rollover Hour 59
- Delete 56
- Edit 59
- New 58
- Object 45, 60
- Target 60
- Time 59

## EventLog

- Scheduler Server
  - Folder 43
- Tab 40

## F

### Folder

- Scheduler Server
  - Calendar 42
  - Configuration 42
  - EventLog 43
  - Schedule 42

## H

### Help 92

## K

### Keyboard Shortcuts 93

## L

### License 20

### Login 37

## M

### Medialon Manager

- Setup
  - Manager On Network 85
- Shared Group 44
- Target 43
- User Group 87

### Menu

- About 92
- Client Configuration 91
- Help 92
- Logout 92
- Quit 92
- Server Configuration 91

## N

Network Detection 86

New

- Event 58
- Schedule 54

## O

Object

- Event 60
- Target 88

## P

Password 38, 44

- See also User Access

Primary

- See Also Redundancy

## Q

Quit 92

## R

Redundancy 42

- Primary Server
  - Setup 46
- Schedule Folder 43
- Secondary Server
  - Setup 47

Rename

- Schedule 54

Runtime Mode

- Scheduler Server 27

## S

Save

- Schedule 56

Scan

- Manager Shared Group 44
- Scheduler Server 37
- Target 44

Schedule

- Close 56
- Day Rollover Hour 45
- Delete 54
- Duplicate 54
- Edit 56
- Event
  - Action 61
  - Add 56, 58
  - Conditional Variable 61
  - Delete 56
  - Edit 59

New 58

Object 60

Target 60

Time 59

Folder 42

ID 46

New 54

Rename 54

Save 56

Tab 39

View 54, 55

Scheduler

Edition 20

User Access 38

Password 44

Scheduler Server

Configuration

Folders 42

Configuration 41, 91

Day Rollover Hour 45

Event Object 45

Network Detection 86

Password 44

Redundancy 42

Scan Shared Group 44

Scan Target 44

Schedule ID 46

Stand Alone 42

Time Source 45

Console Commands 30

Run as

Console 30

Installer 27

Windows Service 28

Scan 37

Secondary

See Also Redundancy

## T

Target 43

Add Object 87

Address 44

Event 60

Manager

Setup 85

Name 44

Object 88

Scan 44

Time

Event 59

Time Source

Setup 45

SNTP server 45

**U**

## User Access

- Administrator 38
- Editor 38
- Password 38, 44
- Viewer 38

## User Group

- Add Object 87
- See also Medialon Manager

**V**

## View

- Schedule 54, 55

## Viewer 38

- See also User Access

**W**

## Windows Service 28



# NOTE



# NOTE





# MEDIALON

Medialon  
101 rue Pierre Sépard  
F92324 Châtillon Cedex France  
Tel: +33 (0)1 46 55 60 70  
Fax: +33 (0)1 46 55 54 83  
[www.medialon.com](http://www.medialon.com)

Medialon Inc.  
2977 McFarlane Road, Suite 301  
Miami, FL 33133, USA  
Tel: +1 305 445 4045  
Fax: +1 305 445 4048  
[www.medialon.com](http://www.medialon.com)

---