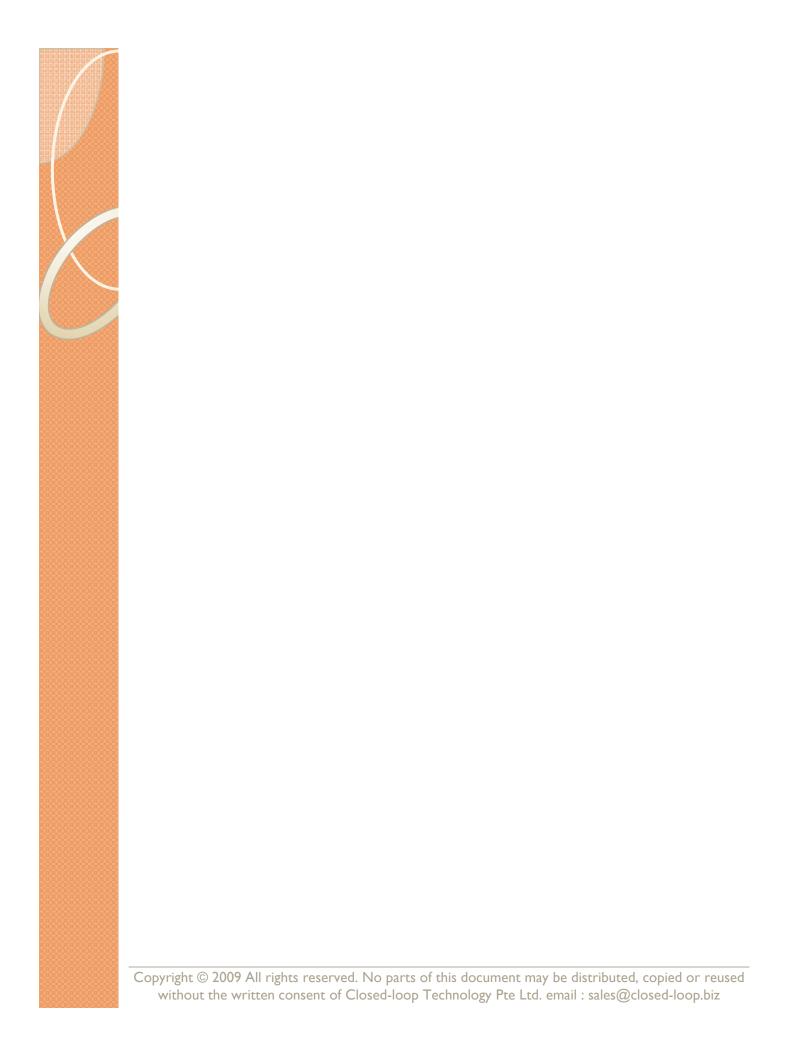
# DIGITAL SIGNAGE

**User Manual** 



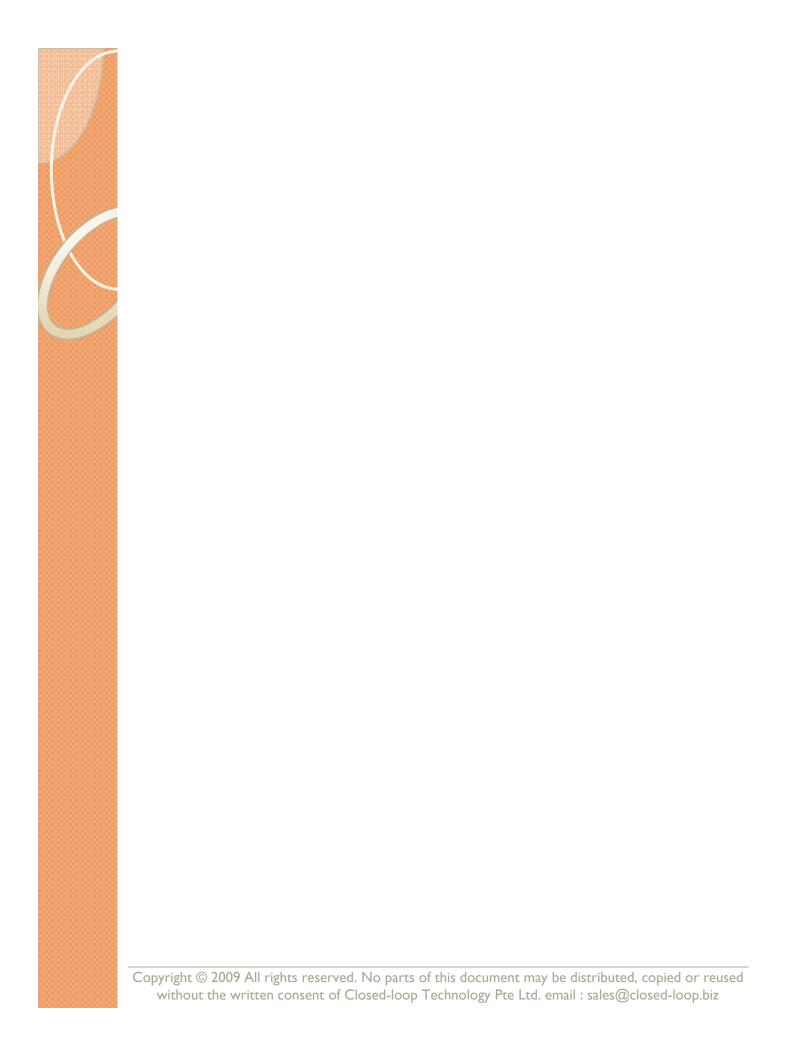
Powered by:





#### Contents

- I. Introduction
  - CLESS Server
  - CLESS Player
- 2. Network Overview
- 3. Knowing Your Display Resolution
- 4. Getting Started
  - Accessing Server (Local)
  - Accessing Server (Remote)
- 5. Login
  - Logging in to CLESS Server
  - Home Screen
- 6. Lets Get Our Hands Dirty
  - Digital Signages
    - Adding Digital Signages
  - Layouts
    - Adding Layouts
    - Editing Layouts
    - Adding Media Slots
    - Editing Media Slots
    - Adding HTML Slots
    - Adding TV Slots
    - Adding Table Slots
  - Schedulers
    - Adding Schedulers
- 7. Admin Site
- 8. Media Manager
- 9. Power Manager
- I0. CLESS Player



#### I. Introduction:

- CLESS Server
  - An application designed for managing content and layout of a digital signage
  - A web-based application which can be controlled via network
  - Main storage of all the contents of the digital signage
  - Main server for all of the display within a specific network might it be locally or wide area



- Runs on Windows or Linux Operating System
  - CLESS Server application and license
  - At Least Intel Pentium Core 2 Duo
  - 160GB SATA Drive
  - 2GB DDR2 RAM
  - 256MBVideo Card
  - 4 x USB ports
  - 3 x Serial ports
  - 2 x Ethernet ports
  - VGA ports
  - PS/2 connector
  - I x PCI slot
  - Support 4:3 and 16:9 format
  - High-speed 3D imaging processing

#### CLESS Player

- An application designed for playing the content and layout of a digital signage from the server
- A web-based application which can be controlled via network
- Display contents created from the server
- Main player for all of the display within a specific network might it be locally or wide area



## Runs on Windows or Linux Operating System

- CLESS Server application and license
- At Least Intel Atom N270
- 80GB SATA Drive
- IGB DDR2 RAM
- 256MBVideo Card
- 4 x USB ports
- 3 x Serial ports
- 2 x Ethernet ports
- VGA ports
- PS/2 connector
- I x PCI slot
- Support 4:3 and 16:9 format
- High-speed 3D imaging processing

#### 2. Network Overview:

 Depending on your IT Administrator, network structure will be typically like this;



• IT Administrator will assign a certain IP Address for all equipments to be used according to the company's network architecture

# 3. Knowing your display resolution:

- Display Resolution
  - First and foremost, we need to know what is the resolution of our display. For quick overview, few display sizes has its default resolution such as;
    - 32" LCD = 1366 x 768
    - 42" LCD = 1366 x 768
    - 52" LCD = 1920 x 1080
    - 65" LCD = 1920 x 1080
  - Depending on your display manufacturer, sometimes resolution is different from what we have above. (please see your display manual for the actual display resolution).
  - Please do take note that our starting point (0,0) is on the upper left corner of the resolution.
  - Example:





- Accessing CLESS Server (Local)
  - Accessing CLESS Server via local network is so easy, just get the IP Address of the Server and type the following address in any internet browser you wish to use;
    - http://local.ip.address/closedloop
    - http://10.0.0.1/closedloop
  - Kindly see your IT Administrator for the IP address of the CLESS Server
- Accessing CLESS Server (Remote)
  - Accessing CLESS Server via remote connection needs a specific fixed WAN (public) IP Address;
    - http://10.0.0.90/closedloop
  - Kindly see your IT Administrator for the Remote IP address of the CLESS Server so that you can still connect from it even if your outside the office

## 5. Login:

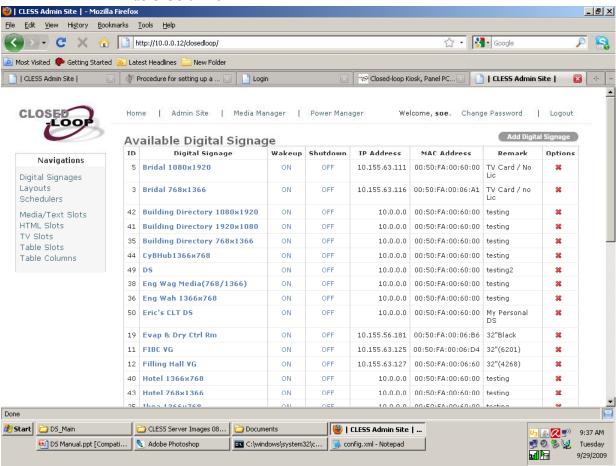
- Logging in to CLESS Server
  - A specific Username and Password will be given to a designated users who wish to access and edit content on the CLESS server
  - It has a security features that can limit the number of users accessing and changing the content
  - Any dsignated users can login to any PC provided they know the CLESS Server address, have a username and password using any internet browser
    - http://10.0.0.1/closedloop







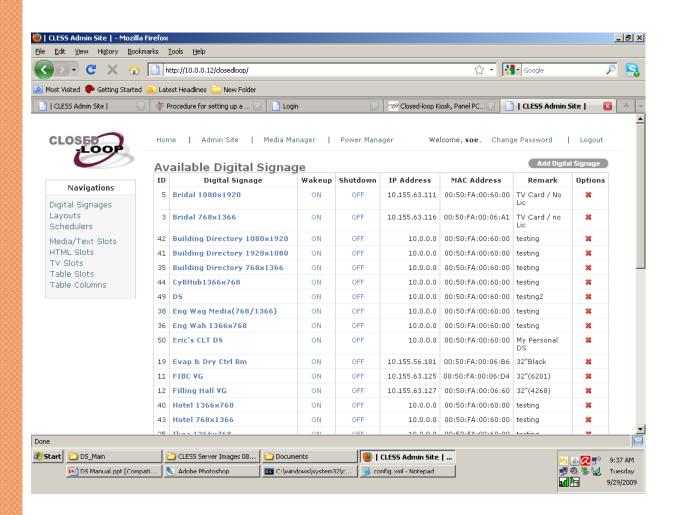
- You can see a variety of options you can link to such as;
  - Home
  - Admin Site
  - Media Manager
  - Power Manager
  - Change Password
  - Logout
  - Navigations:
    - Digital Signages
    - Layouts
    - Schedulers
    - Media/Text Slots
    - HTML Slots
    - Table Slots
    - Table Columns



## 6. Lets get our hands dirty:

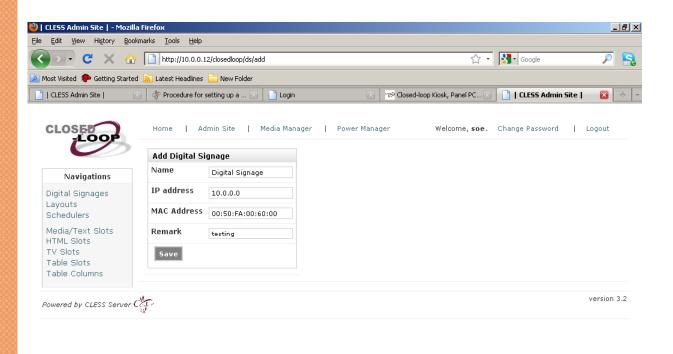
#### Digital Signages

- In this tab you will now assign a specific Digital Signage name for your proposed project that you want to show into your screen
- Giving names to your Digital Signages will make your content creation easy and comfortable
- Please take note on the ID no's on the left side of the Digital Signage Name. (we will tackle this later on this tutorials on Editing CLESS Player)



# Adding Digital Signages

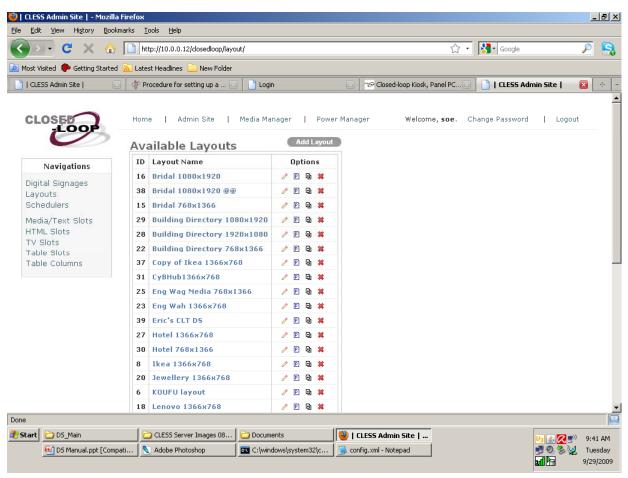
- Right After you click on the "Add Digital Signages" button on the previous screen you will be directed to this page for further details on your New Digital Signage
- It is consists of:
  - Name
  - IP Address
  - MAC Address
  - Remarks





## Layouts

- In this Tab we will be getting ready to do our actual Digital Signage. The actual display for our LCD or Plasma TV will be configured in this tab
- This is the place where our hands will get dirty so be ready
- This is where you will add your content to further enhance your display
- You can add:
  - Static Text, Scrolling Text, Image Files, Video Files, Audio Files, Date and Time



# Adding Layouts

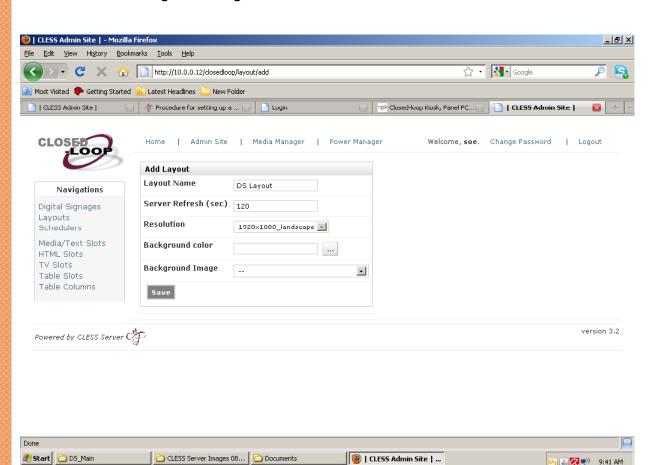
 Right After you click on the "Add Layout" button on the previous screen you will be directed to this page for further details on your New Layout

#### It is consists of:

Name

🖭 DS Manual.ppt [Compati... 🔪 Adobe Photoshop

- Server Refresh (sec)
- Resolution
- Background color
- Background image

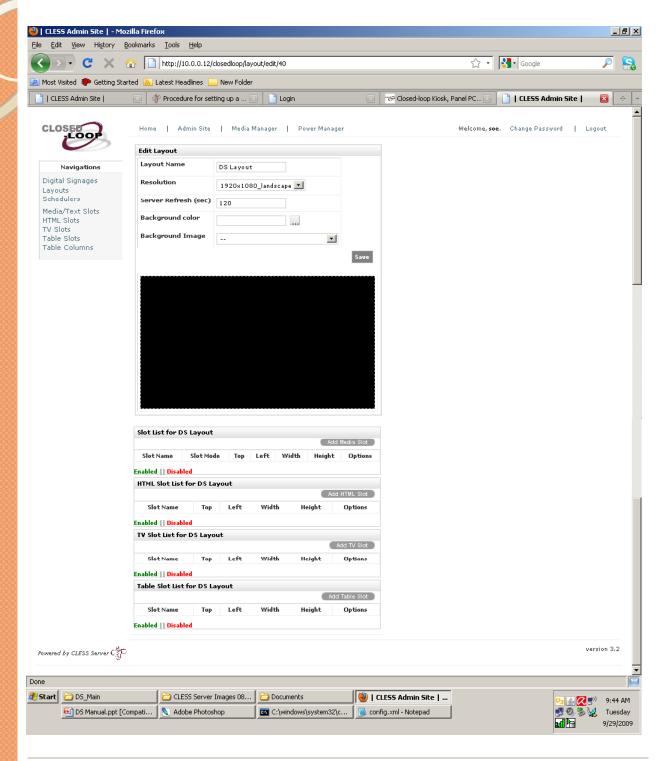


C:\windows\system32\c... S config.xml - Notepad

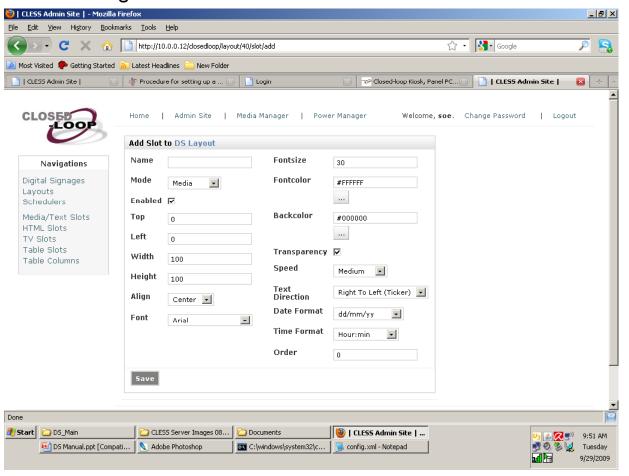
9/29/2009

## Editing Layouts

 Right After you have added a new layout click the name of the layout you have just created and it will give you this screen.



- The screen on the previous page will show you all of the options on adding different slots into your display.
- You can Add Media Slots, HTML Slots, TV Slots and Table Slots
- Let's get into it one by one......
- Adding Media Slots



- This screen will show you all of the options on editing your media slots.
- It consists of:
  - Name, Mode, Top, Left, Width, Height, Alignment, Font, Font Size, Font Color, Etc.

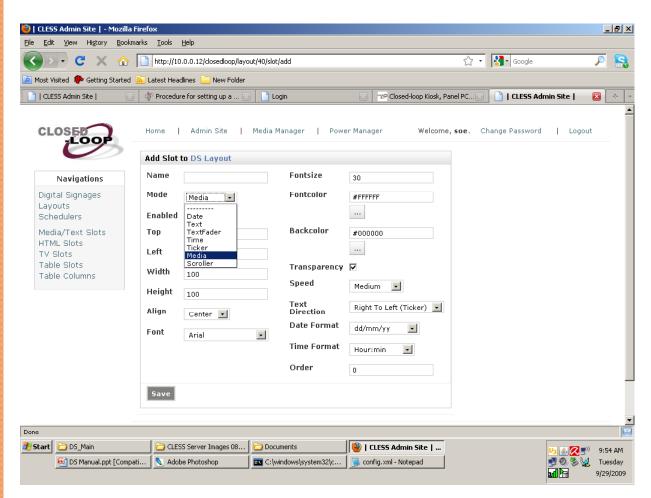
# Adding Media Slots

#### Name

- It is where you give a name for your specific content, for example a slot inside the screen is a video file, you can give it a name "Video Pane"
- Naming Slots inside your display helps you organize your layout and at the same time save you more time when editing it or replacing its contents.

#### Mode

- It is where you choose what type of contents you want to use on a particular slot, example; if you only want a static text to display on your screen you can choose the mode "Text"
- Modes is consisting of:
  - Media, Text, Date, TextFader, Time, Ticker and Scroller



## Adding Media Slots

- Media Choose this mode if you want to display videos, audios and images
- Text Choose this mode if you want to display static text
- TextFader Choose this mode if you want to display fading text
- Time Choose this mode if you want to display the time
- Date Choose this mode if you want to display the date
- Ticker Choose this mode if you want to display the text scrolling from right to left or vice versa
- Scroller Choose this mode if you want to display the text scrolling from bottom to top or vice versa

### Top

- It is where you assign the specific slot its coordinates inside your display area via using the resolution/pixel numbers
- Example:: display resolution is 1366 x 768, your slot usually starts at top="0" left="0"
- You can also assign it a different number incase you want to place it on the another coordinates inside your display area

#### Left

- It is where you assign the specific slot its coordinates inside your display area via using the resolution/pixel numbers
- Example:: display resolution is 1366 x 768, your slot usually starts at top="0" left="0"
- You can also assign it a different number incase you want to place it on the another coordinates inside your display area

#### Width

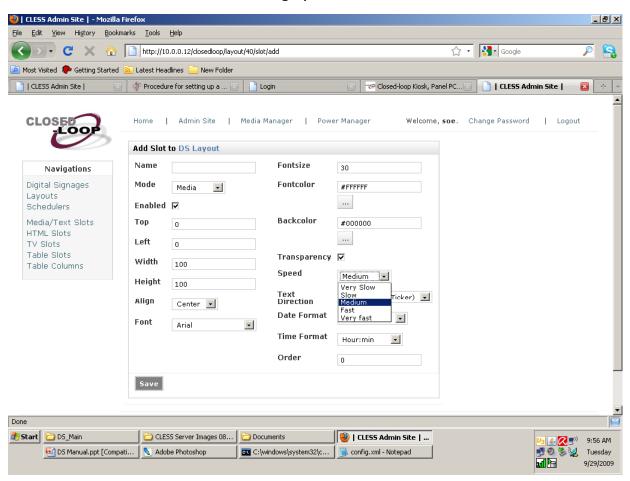
- It is the width of your actual content example: image files.
- You can edit the width of an image file or video file according to your planned layout inside the display area

#### Height

- It is the height of your actual content example: image files.
- You can edit the width of an image file or video file according to your planned layout inside the display area

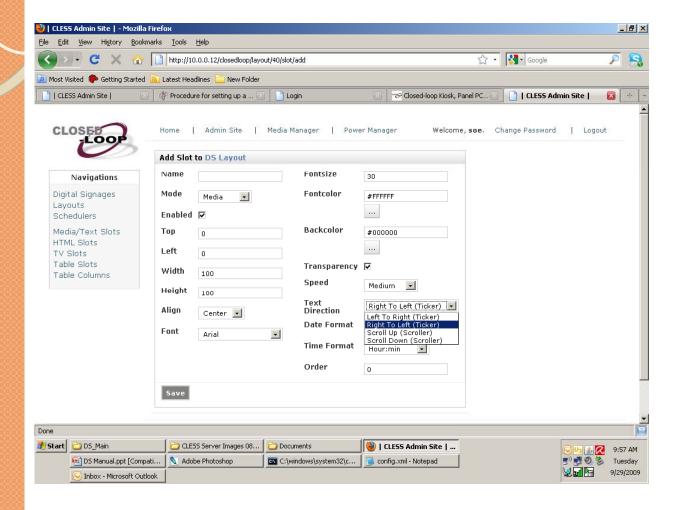


- Align
  - Text Alignment
- Font
  - Text Font
- Fontsize
  - Text Font Size
- Fontcolor
  - Text Font Color
- Backcolor
  - Background color for your "Modes"
- Speed
  - Indicates Text Scrolling Speeds



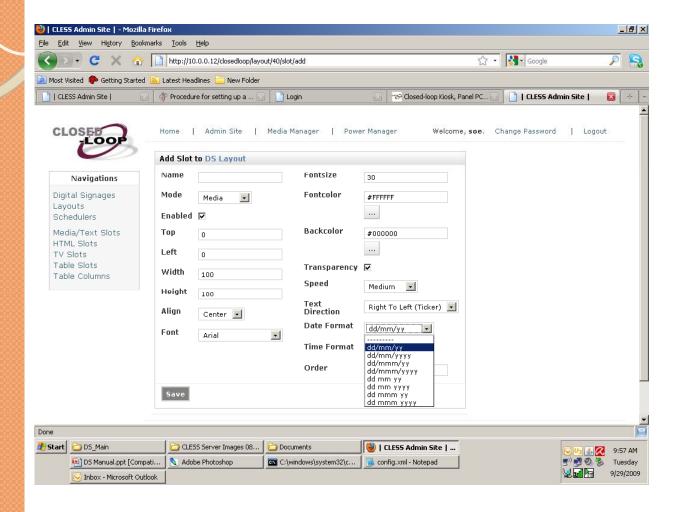


- Text Direction
  - Scrolling Text Direction



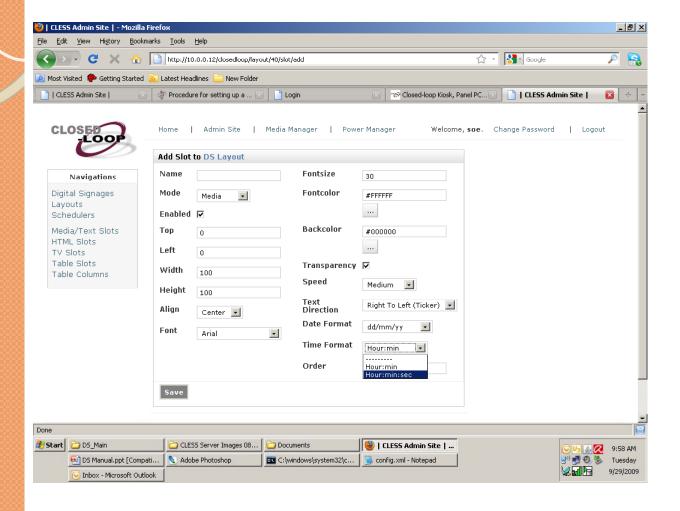


- Date Format
  - Options for Date format



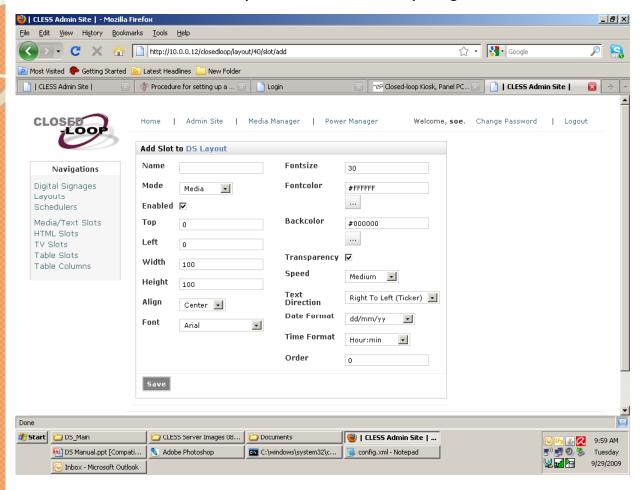


- Time Format
  - Options for Time format





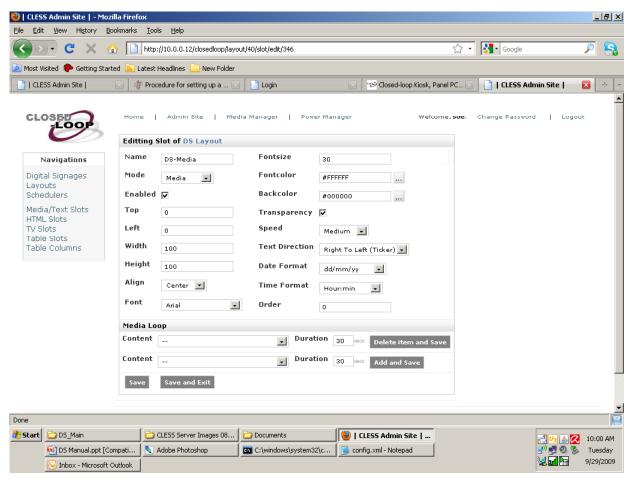
- Save
  - · Click save after you have finished everything



 After saving your work you're now ready to insert contents into the slot we have just made

# Editing Media Slots

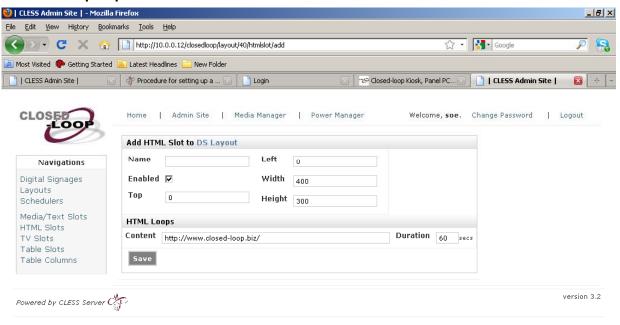
- Editing Contents
  - Click the Media slot we have just made
  - You can now see the additional options naming "Media Loop"
  - This is where we will insert our contents such as; videos, audios, images and text



- As you can see each item we add we have to click the button "Add and Save" so that it will load up the contents that we want to place into our slot
- Please see "Adding Media Contents" for more info on how to upload contents such as videos, audios, image, flash files, etc into the server

# Adding HTML Slots

- You can also show an HTML pages in your digital signages simultaneously with your other media files such as your image, video, flash files, etc..
- Best used with touch screen LCD for interactive purposes.



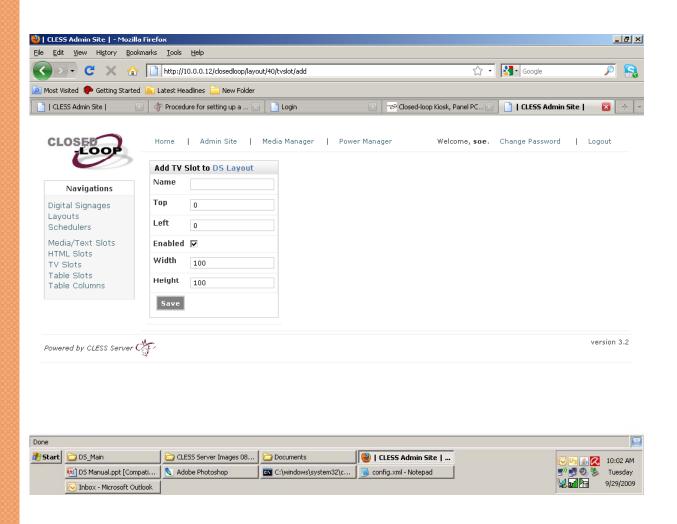


#### It is Consist of:

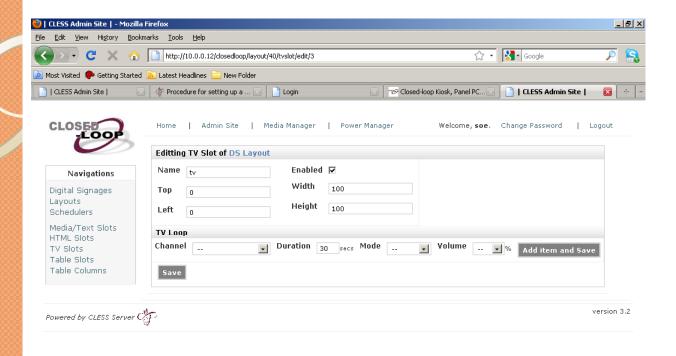
- Name
- Top
- Left
- Width
- Height
- HTML loops

# Adding TV Slots

- You can also show a TV programs in your digital signages simultaneously with your other media files such as your image, video, flash files, etc..
- Best used for reception area for customers entertainment while waiting.
- Your Digital Signage must have a built-in TV Tuner to use this function



# Adding TV Slots





- Right after you saved your previous page, re-enter again the TV slot that you have done and you will see this page.
- In here you can now edit the Channel, Duration, Mode and Volume of your TV slot
- It is also not limited up to only I TV slot in your screen, in fact you can add as many TV slot as you want inside your display

# Adding TV Slots

#### Channel

In here, you can choose which channel you want to show on a
particular slot inside your display. (TV Channels is default in
local channel configuration(Singapore), if you have a cable
channel you must choose the "CableTV(9) Channel then you
can now adjust the channel via your tuner.)

#### Duration

 It is where you will adjust the playing time duration of your particular channel, by default it should be in "0" if you're playing TV Channels, if your playing a video via your tuner then that's the time you can adjust the duration on how long you want to play a particular video files.

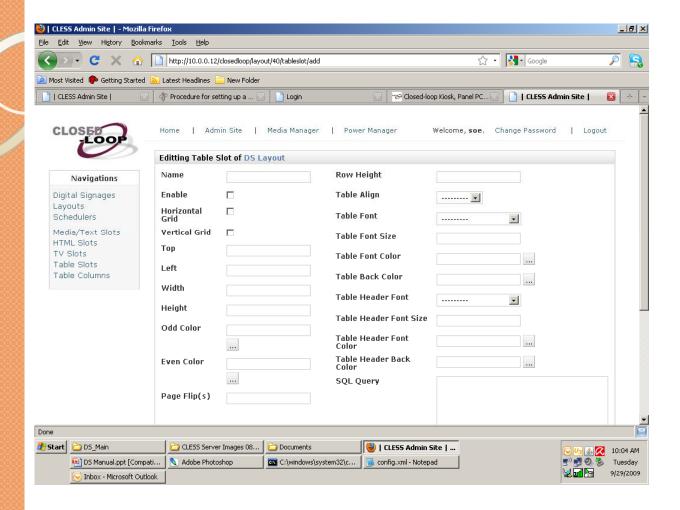
#### Mode

- Tuner
- Video-in

#### Volume

 You can also adjust the volume of your tuner or video-in inside this server

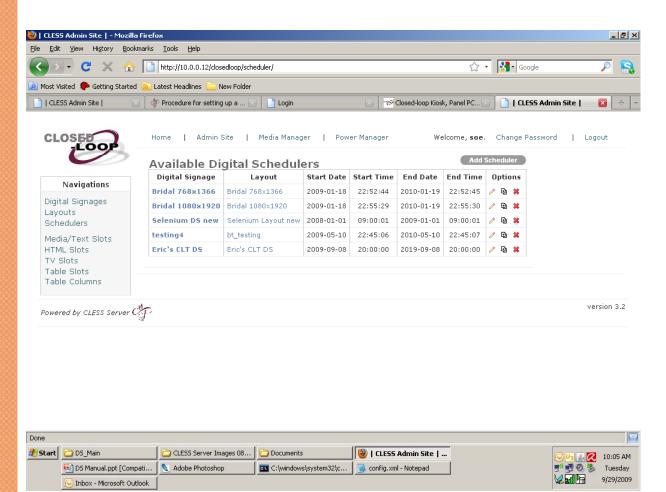
# Adding Table Slots



- You can also add a table slots in your digital signage in a way you add table slots in your microsoft excel program.
- It can also link your database program in here (i.e. SQL, MySQL, etc..) It can show your production status, or any management status in real-time. Please ask Closed-loop Technology Pte Ltd on how to link it to your table slots.

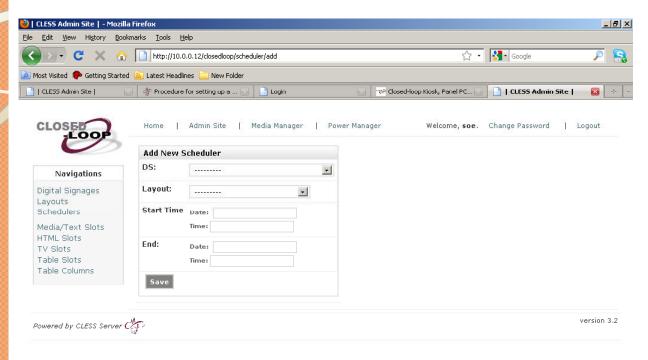
#### Schedulers

- In this Tab we will be getting ready to publish our digital signage with our newly created layout into our display
- This is the time we will schedule on when we want to play our nely created digital signage with layout
- It includes:
  - Start Date
  - Start time
  - End Date
  - End Time



#### Schedulers

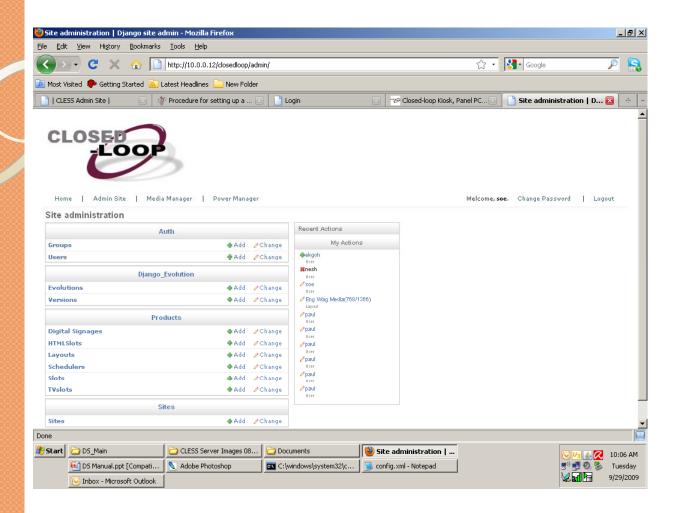
- Adding Schedulers
  - Click on "Add Schedulers" on the previous screen and it will give you this screen





- You have the now the option in which Digital Signage you want to schedule and which layout you want to show
- You can now also pick the start date, time and the end date and end time
- Now test the display if it is now working (Please see the topic on "CLESS Player" to know more on how to play the contents we have just created)

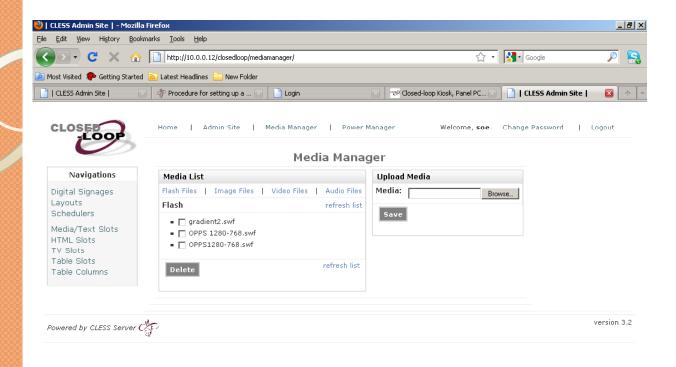
#### 7. Admin Site:



#### Admin Site

In this area, you can add Users and Groups to manage your digital signage server. You will also give them the specific rights and authorization on how they will manage the server for i.e. they can only add layouts but cannot delete it, etc..

# 8. Media Manager:

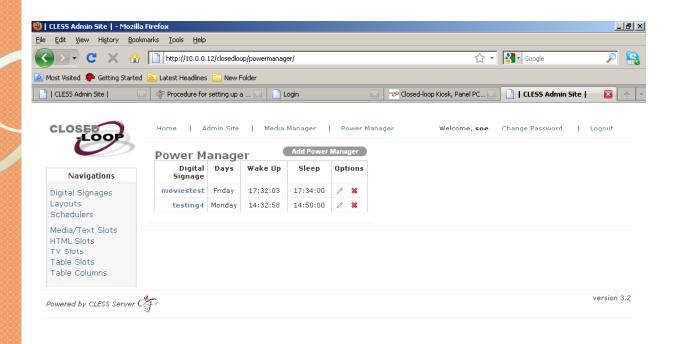




## Media Manager

- It is the storage area for all of your contents such as Videos, Audios, Images, Flash files, etc..
- · List of all your media inside the server
- You can add media by clicking the browse button and browse from your hard disk or any external drive you have then save it. You can also delete what you have just uploaded by selecting it and pressing delete button

# 9. Power Manager:





## Power Manager

 It is where you assign a specific Digital Signage the schedule to power on and to power off (wake up and sleep)

# 10. CLESS Player:

## CLESS Player

- A program that plays your content that you've created on the server
- A player comes with the server on your purchase, the file name is setup\_DS\_Main\_2.6.1.0.exe (the version number depends on which version is the current release, contact Closed-loop Technology for the new version updates)
- The player has two types of function;
  - Online
  - Offline

#### Online:

- This is where you connect your player to the server to play the live contents
- You can change the contents in the server and then the player will automatically look for updates accordingly to what you have input in the refresh rate of the server
- The display will update in real-time everytime you update contents inside the server.

#### Offline:

• In this mode, you are basically not connected to the server, what you are playing is an offline content via an xml file.

### CLESS Player

- Configuration:
  - Open the config file: (use notepad)
    - C:\Closed-loop\DS Main\Config.xml
- Then you can see this xml file:

```
<?xml version="I.0" encoding="UTF-8"?>
<Configuration connection='online' checkappupdate="20080101" dsxml="default_ds.xml"</p>
AutoAppUpdate="Y">
<!--
  connection set to offline will read local default ds.xml only
 you can use dsxml to point to another xml beside default ds.xml for offline testing
<!--
  proxy setting
  enabled: to turn on or off (1, 0)
  host: can be IP or host.domain
  port: port to use
 username: login user if any
 password: password if an25
<server url="http://10.0.0.20/amway/1/ds.xml"/>
</Configuration>
```

- Underline in "Red" indicates if you're in online or offline
  - You can change this settings if you wish to show online or offline contents
- Underlined in "Green" indicates you're default xml files which is located inside your hard disk
  - You can create your own xml files and put it as your offline content.
  - Offline mode is good to use if you are troubleshooting your server, also good to use if you are cleaning, maintaining or updating your server
- Server URL underlined in "Blue"
  - This is where you assign a particular DS ID no. for your player to play.
     Please check your DS ID no. for you to know what the player will play or display
  - IP address of the server is indicated for the player to direct link to the server and play its contents

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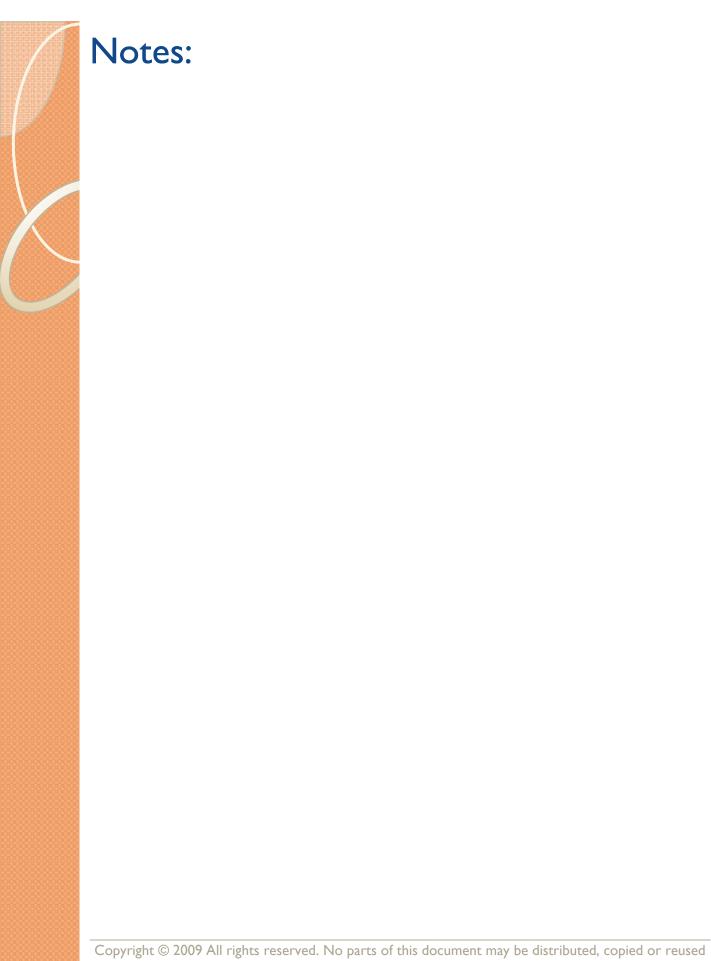
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## Closing:

- Closed-loop Technology Pte Ltd would like to thank you for your purchased of this product and we hope to work with you again.
- Your satisfaction is our success and your happiness will always be our inspiration to go on and continue.
- For more inquiries or for troubleshooting and maintenance problems don't hesitate to contact us at:

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