



# Central Management Software

## Administration

## Guide

V1.0

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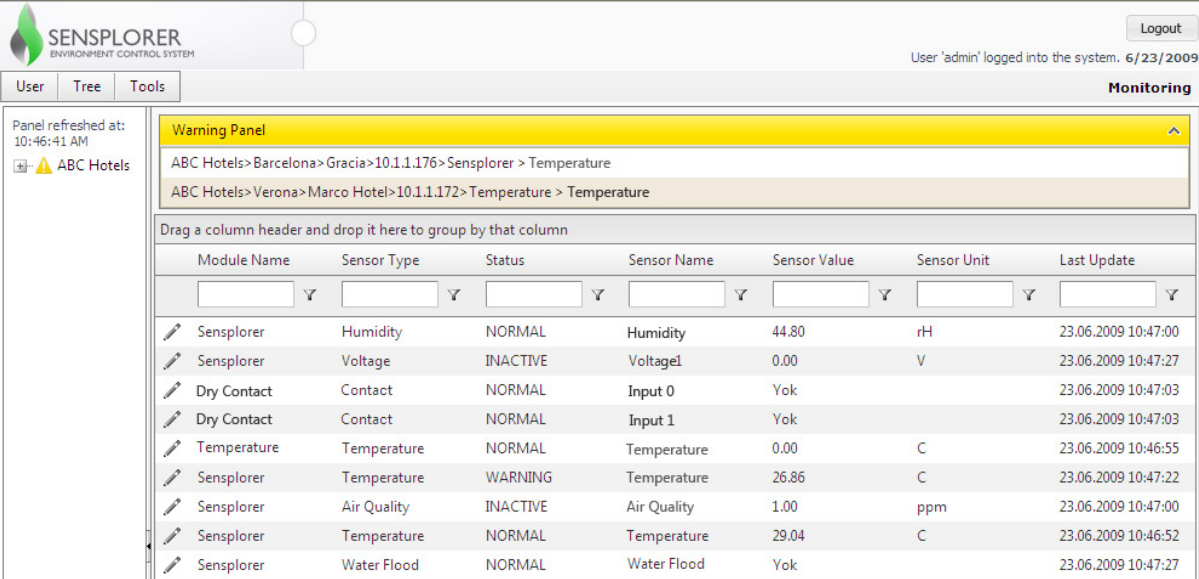
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## 1 Introduction

See Sensplorer Installation Guide and install Sensplorer software. In this guide you will be able to create:

- user (Administrator and user),
- user group,
- Sensplorer Module names that will be used with Sensplorer System and assign the Tree to related users.

An example of a Sensplorer Environment Control System is shown below.



Warning Panel							
ABC Hotels>Barcelona>Gracia>10.1.1.176>Sensplorer > Temperature							
ABC Hotels>Verona>Marco Hotel>10.1.1.172> Temperature > Temperature							
Drag a column header and drop it here to group by that column							
Module Name	Sensor Type	Status	Sensor Name	Sensor Value	Sensor Unit	Last Update	
Sensplorer	Humidity	NORMAL	Humidity	44.80	rH	23.06.2009 10:47:00	
Sensplorer	Voltage	INACTIVE	Voltage1	0.00	V	23.06.2009 10:47:27	
Dry Contact	Contact	NORMAL	Input 0	Yok		23.06.2009 10:47:03	
Dry Contact	Contact	NORMAL	Input 1	Yok		23.06.2009 10:47:03	
Temperature	Temperature	NORMAL	Temperature	0.00	C	23.06.2009 10:46:55	
Sensplorer	Temperature	WARNING	Temperature	26.86	C	23.06.2009 10:47:22	
Sensplorer	Air Quality	INACTIVE	Air Quality	1.00	ppm	23.06.2009 10:47:00	
Sensplorer	Temperature	NORMAL	Temperature	29.04	C	23.06.2009 10:46:52	
Sensplorer	Water Flood	NORMAL	Water Flood	Yok		23.06.2009 10:47:27	

Figure 1-1 A Sensplorer Environment Control System sample window



**Before logging into the system for the first time**, make sure that all devices are connected and wait for time required to scan and upload device information to the system.

This waiting time can be formulated as :  $t(\text{sec})=(n+(n-1))\times 10$ , here n is the number of modules.

## 2 Login

1. Open a Web Browser page.
2. Write **http://your Sensplorer Server IP/SensplorerV3** into Address field. Press **Enter**.

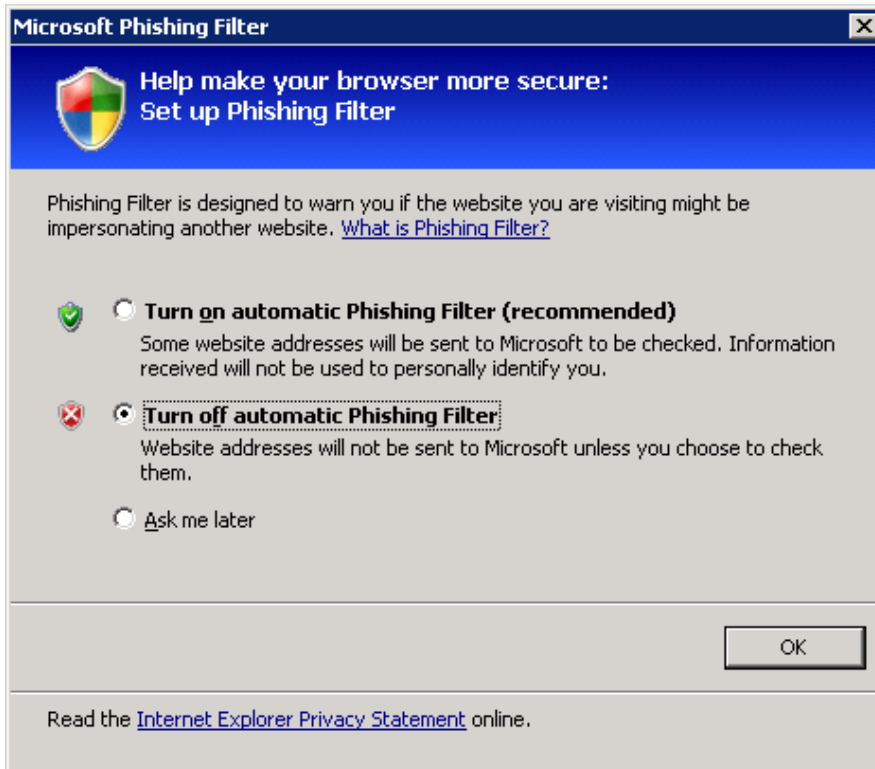


Figure 2-1 Microsoft Phishing Filter warning window

You may see the warning window shown above, click Turn off automatic Phishing Filter to continue.

3. Login window appears as shown below. Enter **User Name** as **Admin** and **Password** as **voyager**. Click **Login**.

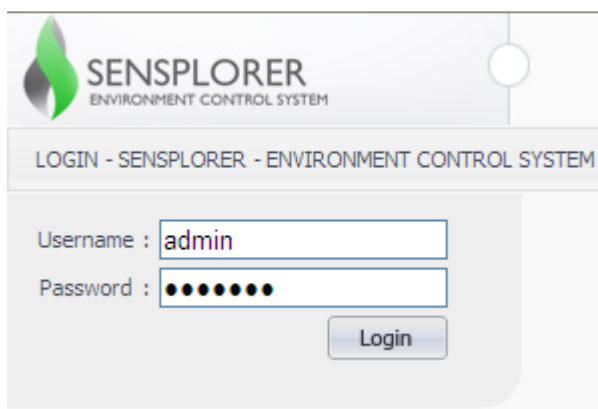


Figure 2-2 Login window

4. Sensplorer ECS Monitoring window appears as shown in the example below.

Panel refreshed at: 10:46:41 AM

ABC Hotels

Warning Panel

ABC Hotels>Barcelona>Gracia>10.1.1.176>Sensplorer > Temperature

ABC Hotels>Verona>Marco Hotel>10.1.1.172> Temperature > Temperature

Drag a column header and drop it here to group by that column

Module Name	Sensor Type	Status	Sensor Name	Sensor Value	Sensor Unit	Last Update
Sensplorer	Humidity	NORMAL	Humidity	44.80	rH	23.06.2009 10:47:00
Sensplorer	Voltage	INACTIVE	Voltage1	0.00	V	23.06.2009 10:47:27
Dry Contact	Contact	NORMAL	Input 0	Yok		23.06.2009 10:47:03
Dry Contact	Contact	NORMAL	Input 1	Yok		23.06.2009 10:47:03
Temperature	Temperature	NORMAL	Temperature	0.00	C	23.06.2009 10:46:55
Sensplorer	Temperature	WARNING	Temperature	26.86	C	23.06.2009 10:47:22
Sensplorer	Air Quality	INACTIVE	Air Quality	1.00	ppm	23.06.2009 10:47:00
Sensplorer	Temperature	NORMAL	Temperature	29.04	C	23.06.2009 10:46:52
Sensplorer	Water Flood	NORMAL	Water Flood	Yok		23.06.2009 10:47:27

Figure 2-3 Sensplorer ECS Monitoring

### 3 General Description

In Sensplorer Web Management menu bar you can process:

- User/Group Operations
- Tree Management
- Tree Assignment
- Monitoring
- Bulk Administration
- Backup

### 3.1 Icons



**Pen:** enables you to edit menu items.



**Filter:** enables you to filter and list according to parameters you select.



**Add new record**

**Add new record :** enables you to add a new record.

**Insert:** enables you to add/save data.

Confirm Password:

E-Mail:

User Group:

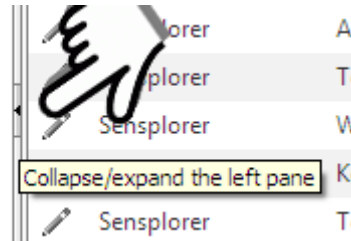
User Type:

Language:

Activated:

adm Admin

**Cancel:** enables you to cancel faulty entries.



**Collapse/Expand:** Enables you to collapse or expand the left pane.

### 3.2 Definitions

#### 3.2.1 User

Enables you to add a new user record, filter and edit according to requested options. Two user types are: **Administrator** and **user**. Administrator has all the editing and administration rights. User can only access monitoring window. Each user takes assigned tree structure during login.

#### 3.2.2 User Group

**User Group:** According to hierarchy of your organization or Sensplorer module types you can define a User Group.

!!!Only one tree can be assigned to a Group.!!!

### 3.2.3 Tree

There are three types of System Trees: Master Tree, Schema Tree and User Tree.

**Master Tree:** is default tree that detects all Sensplorer Modules and their IP numbers and lists them in a few minutes after all connections are completed and Sensplorer Environment Control System software is started in web browser. Master Tree keeps device list physically. When a device is added, it is added under Master tree automatically. A device cannot be added to the Master Tree manually. You can edit Node or Module Name or remove them.

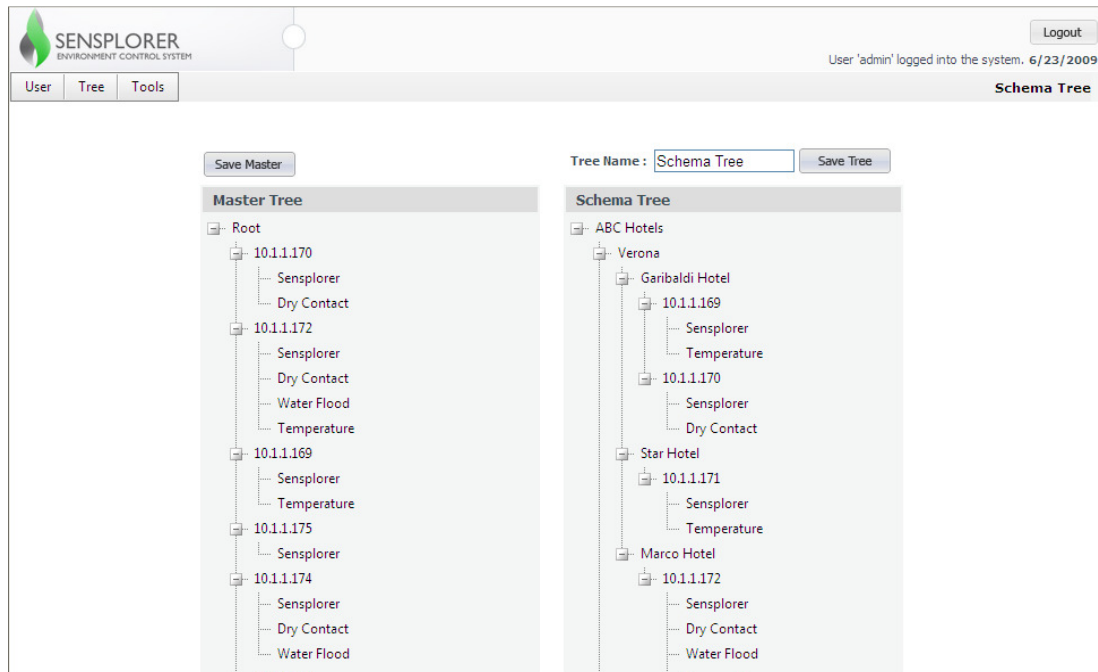


Figure 3-1 Master Tree & Schema Tree example

**Schema Tree** is used as Template to design hierarchy and the way the devices are shown. It simplifies visual perception. By dragging and dropping from Master Tree you can list Schema Tree items as required, an example is shown above.

**User Tree:** You can define unlimited number of Trees for users. See Page 9 for User Tree creation.

## 4 Administration

1. First of all Web Service must be set on Sensplorer Devices.

!!!!Wait for a few minutes until Master Tree is filled in with all Sensplorer Devices. (Waiting duration can be defined as  $T=(n+(n-1)) \times 10$  seconds, where  $n$  is the number of the modules)!!!!

If you do not wait before logging into the system as defined in first item before Master Tree will appear empty at startup as shown below. You can press F5 key to refresh and get the current list.

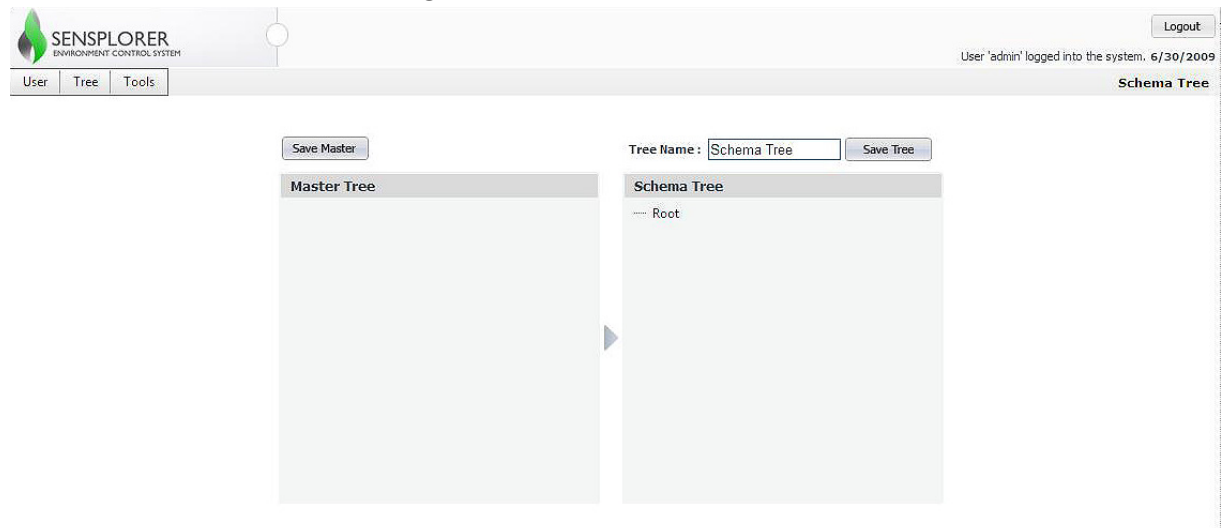
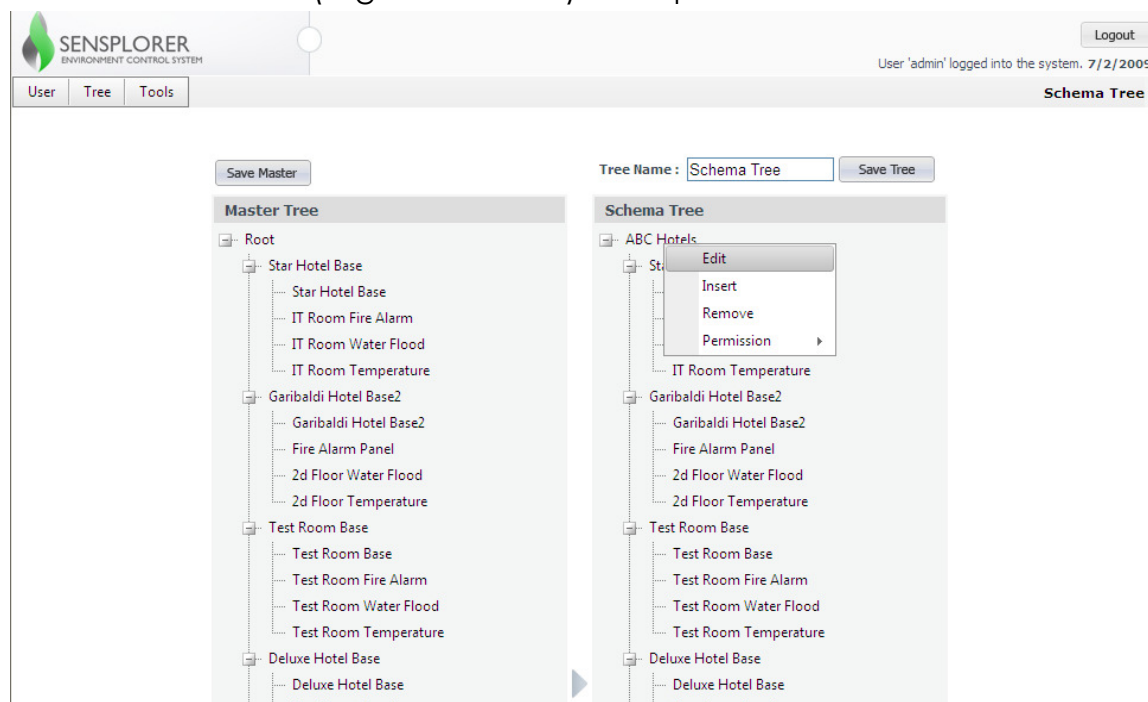


Figure 4-1 Empty Master Tree example.

### 4.1 Create Schema Tree

2. After Login, click **Tree-> Schema Tree**. Following window appears. Highlight Root and Right-click as shown below. Click **Edit** to change Root Name. Write root name (e.g. ABC Hotels) as required.



3. Click outside the Root name or press **Enter** key. New Schema Tree name is entered.



### 4.2 Add a Schema Tree item

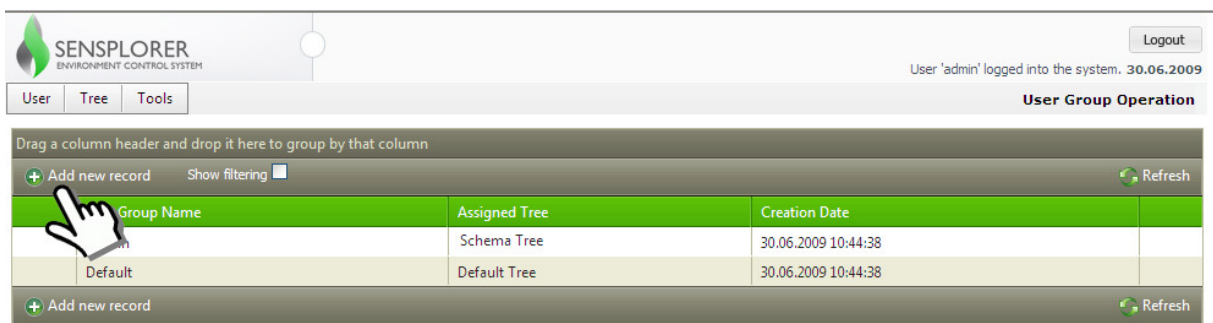
- If you are not going to customize the way items are seen, you can drag and drop the nodes from the Master Tree under Schema Tree, If you want to customize the node names etc, right-click the root name and click **Insert** to add nodes as required.

!!When you hover on a node name under master tree or Schema Tree you can see its IP number.!!!

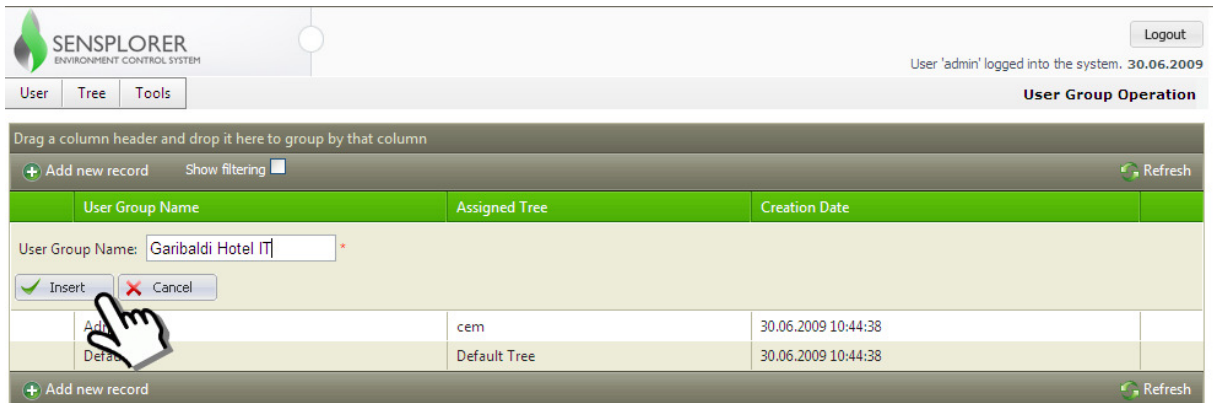
Initially the assigned tree for the Admin group is Schema Tree, this can be changed. See Tree Assignment.

### 4.3 Create a User Group.

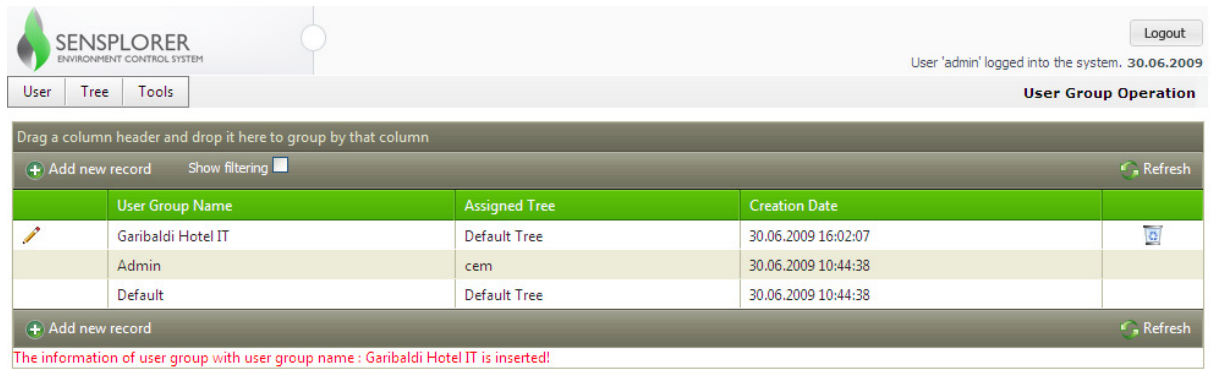
- Click **User ->User Group Operation.**
- Following window appears. Click **Add New Record** as shown below.



- User Group Name window appears. Enter required User Group Name into User Group Name (e.g. *Garibaldi Hotel IT*) field and click **Insert** as shown below.

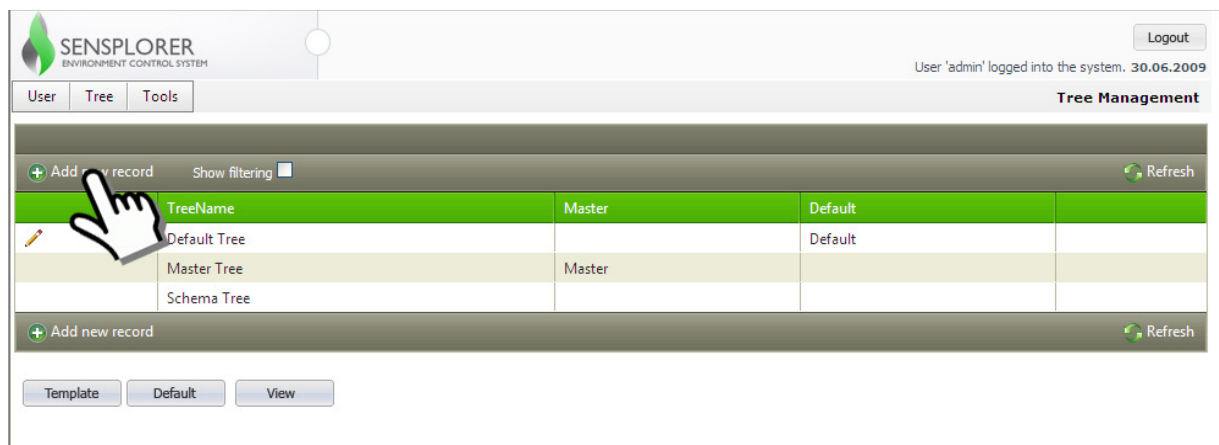


- User Group Name is added. Following window appears. New User Group is seen in the list, Default Tree is assigned automatically. **The information of user group with user group name : XXX is inserted** message appears.

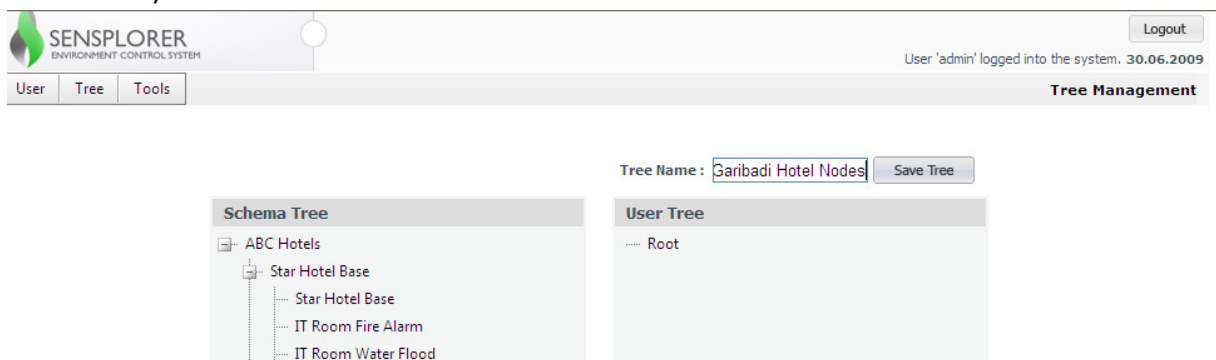


#### 4.4 Create a new Tree.

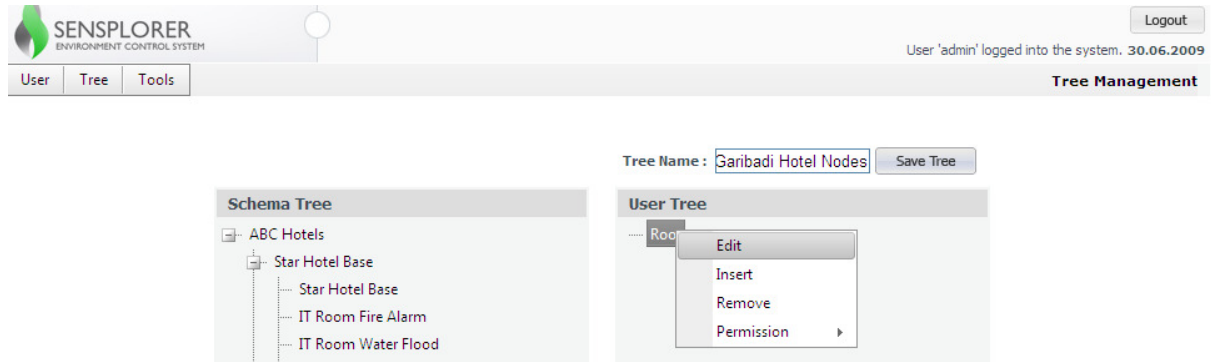
- Click **Tree-> Tree Management**. Following window appears. Click **Add New Record** as shown below.



- Following window appears. Write the name you want. (e.g. Garibaldi Hotel Nodes) into the Tree Name field as shown below.

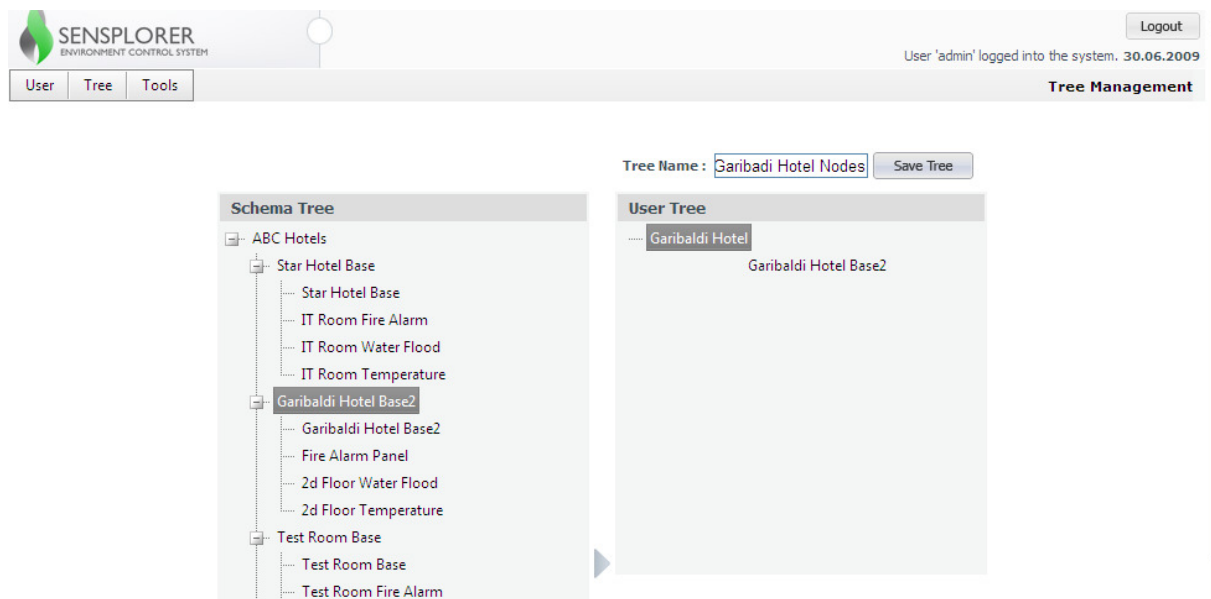


11. Right-click on Root, then Click **Edit** as shown below.

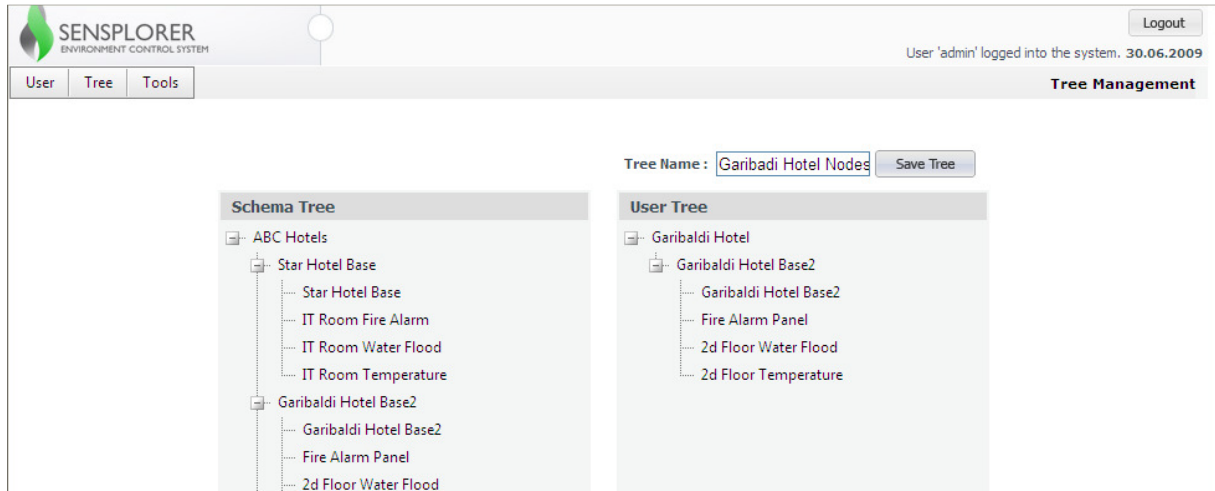


12. Root becomes editable; enter a unique name for the User Tree, (e.g. Garibaldi Hotel). Click anywhere outside the name, the name is updated as required.

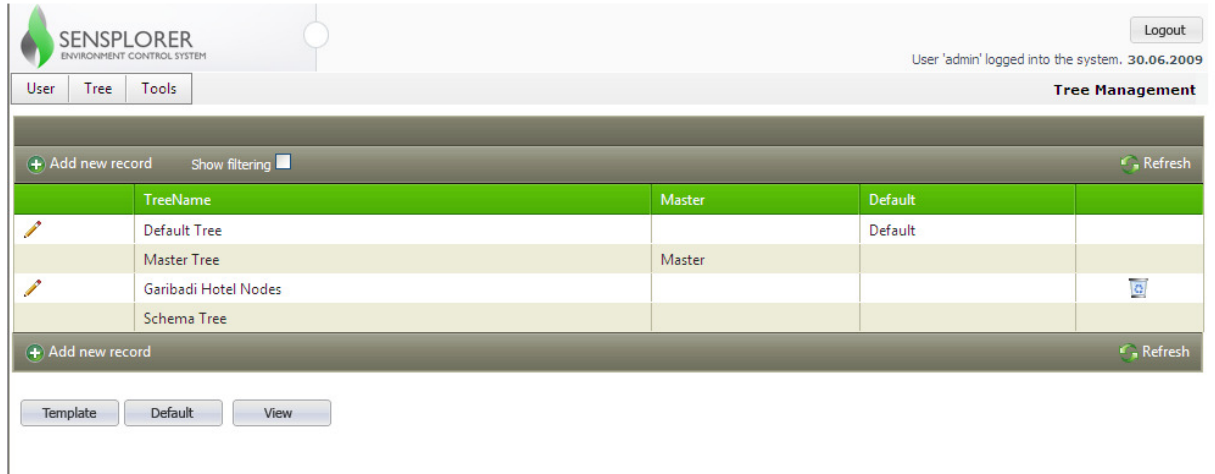
13. On the left pane, in Schema Tree, click the node that you want to assign to the User Tree, then drag and drop that node into the User Tree Name as shown below. **Make sure the User Tree is highlighted as shown below before you drop the node.**



14. Node is added under User Tree as shown in the example below. You can continue drag&drop as required. When you are done, click **Save Tree**.

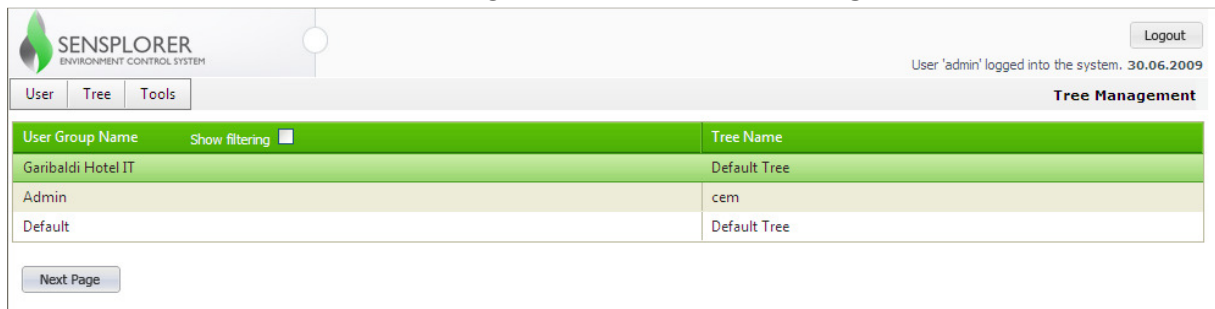


15. New User Tree is added as shown below. (e.g. Garibaldi Hotel Nodes)



## 5 Tree Assignment

16. Click **Tree-> Tree Assignment**. User Group Names are listed. Highlight the User Group you want to assign a tree. Click **Next Page**.



17. Highlight the Tree (e.g. Garibaldi Hotel Nodes) you want to assign to the User Group. Click **Assign**.

The screenshot shows the 'Tree Management' section of the Sensplorer software. At the top, there is a navigation bar with 'User', 'Tree', and 'Tools' tabs. A 'Logout' button is in the top right corner. Below the navigation bar, there is a header for 'Tree Management' and a 'Refresh' button. The main area contains a table with the following data:

	TreeName	Master	Default	
	Default Tree		Default	
	Master Tree	Master		
	Garibaldi Hotel Nodes			
	Schema Tree			
	cem			

Below the table, there are three buttons: 'Back', 'Assign', and 'View'.

18. Tree is assigned to user group(s) message appears as shown below.

The screenshot shows the 'Tree Management' section of the Sensplorer software after an assignment. The table now includes checkboxes in the 'Master' and 'Default' columns. The 'Garibaldi Hotel Nodes' row is highlighted in green and has both checkboxes checked. Below the table, there are three buttons: 'Back', 'Assign', and 'View'.

	TreeName	Master	Default	
	Default Tree	<input type="checkbox"/>	<input type="checkbox"/>	
	Master Tree	<input type="checkbox"/>	<input type="checkbox"/>	
	Garibaldi Hotel Nodes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Schema Tree	<input type="checkbox"/>	<input type="checkbox"/>	
	cem	<input type="checkbox"/>	<input type="checkbox"/>	

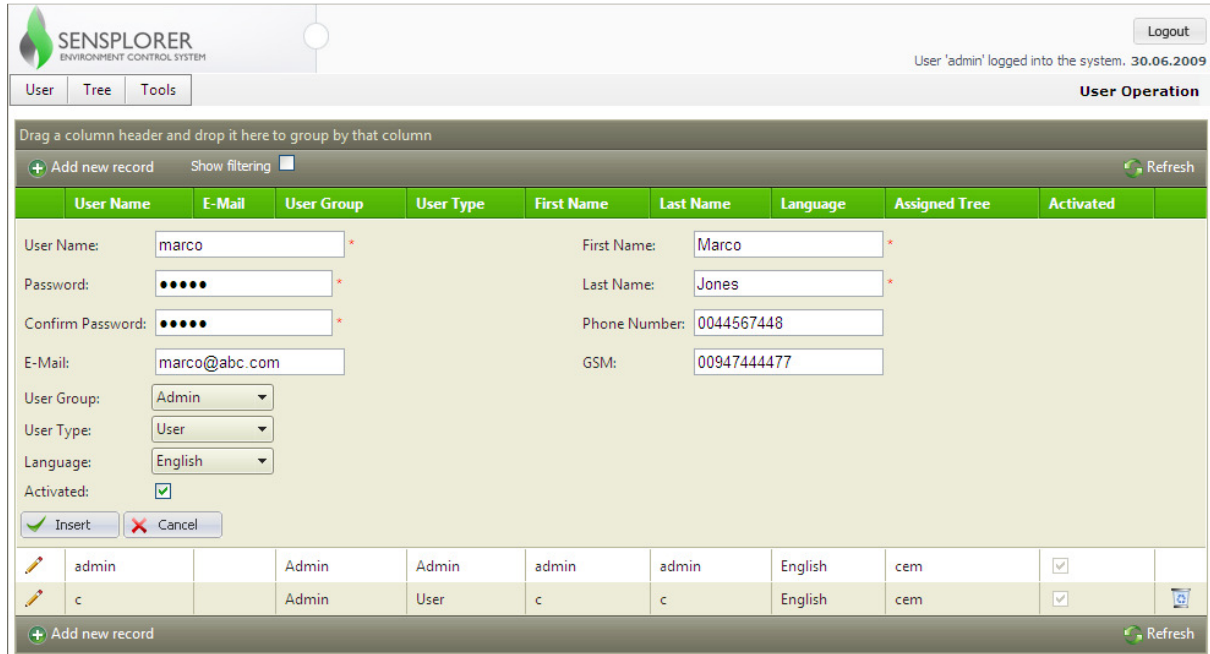
Below the table, there are three buttons: 'Back', 'Assign', and 'View'.

Tree is assigned to user group(s).

### 6 To add a new user

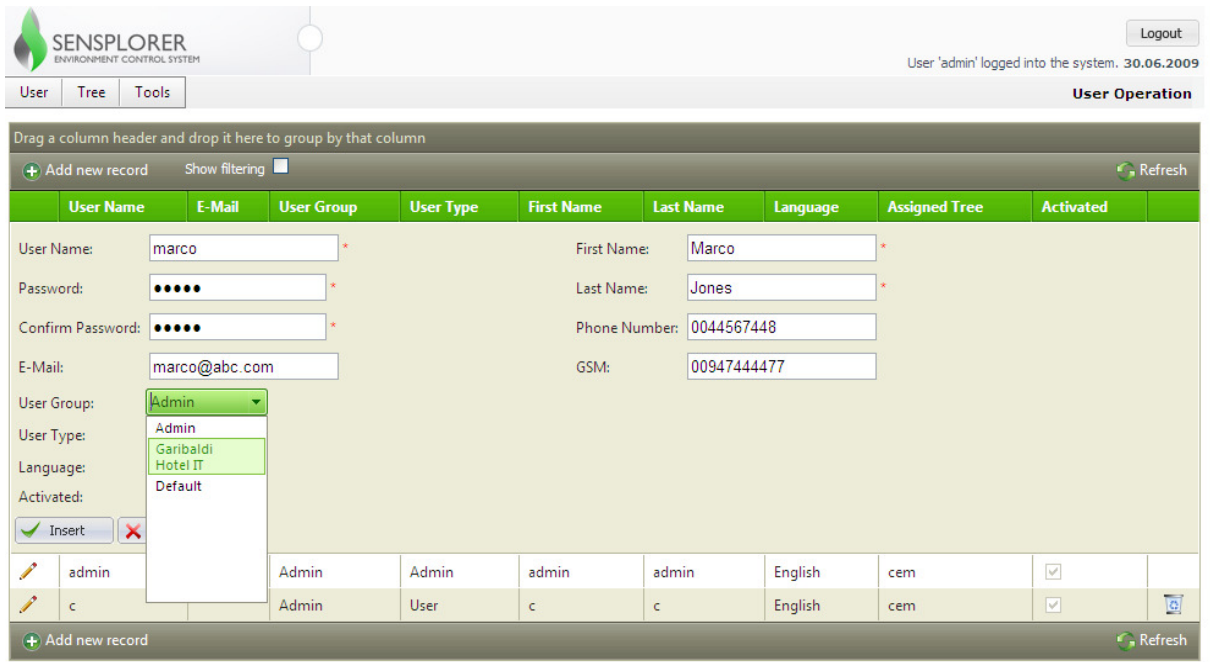
1. Click **User Operation** in menu bar. Click  icon.
2. Following window appears. Required fields are shown

with \* sign, they must be filled in. Enter **User Name**, **First Name**, **Last Name**, **Password** and enter password again into **Confirm Password** field. E-mail, Phone Number and GSM number are optional.



User Name	E-Mail	User Group	User Type	First Name	Last Name	Language	Assigned Tree	Activated
admin		Admin	Admin	admin	admin	English	cem	<input checked="" type="checkbox"/>
c		Admin	User	c	c	English	cem	<input checked="" type="checkbox"/>

3. Click User Group drop-down menu as shown below to select user group. User uses the selected User Group's Tree in monitoring. (See **Monitoring**.) Click **Insert**.



User Name	E-Mail	User Group	User Type	First Name	Last Name	Language	Assigned Tree	Activated
admin		Admin	Admin	admin	admin	English	cem	<input checked="" type="checkbox"/>
c		Admin	User	c	c	English	cem	<input checked="" type="checkbox"/>

## 7 Tools

In Tools section, you can monitor, process bulk administration and backup.

### 7.1 Monitoring Definitions

#### 7.1.1 Alarm

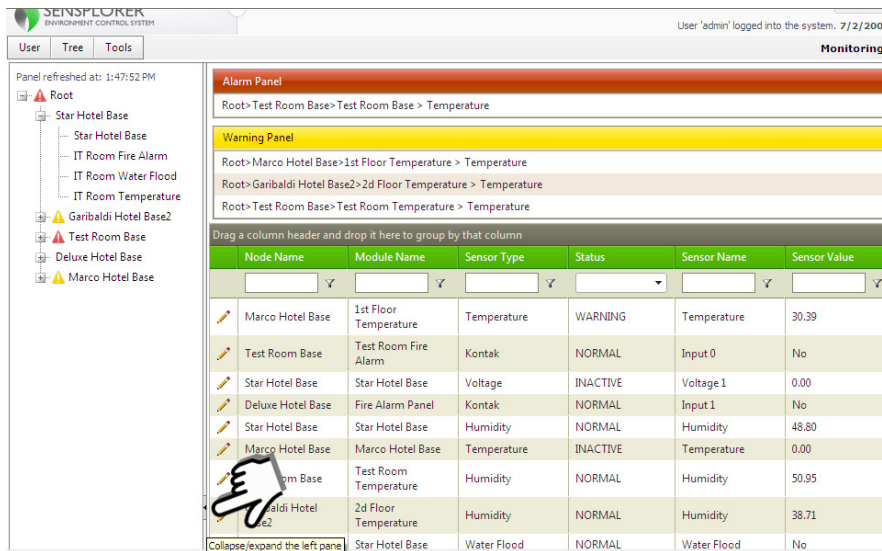
If there is an alarm it is indicated by red icon. (e.g.  10.1.1.172 )  
The alarm path is also indicated in Alarm Panel on the right pane.

#### 7.1.2 Warning

If there is a warning it is indicated by yellow icon. (e.g.  10.1.1.172 ).  
The alarm path is also indicated in Alarm Panel on the right pane.

#### 7.1.3 Collapse/Expand

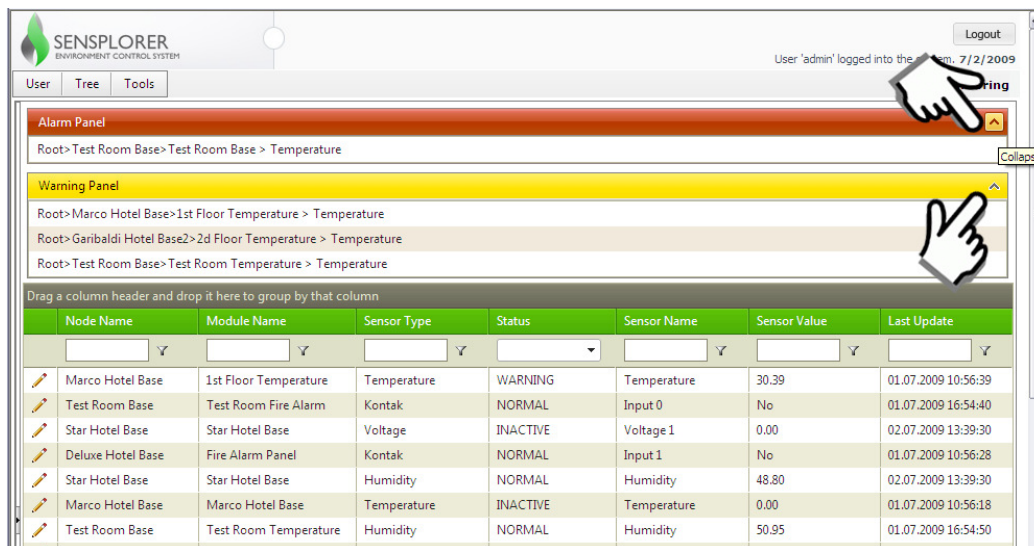
You can collapse or expand panels. Left pane collapse/expand can be done as shown below.



The screenshot shows the Sensplorer interface with a tree view on the left and an Alarm/Warning panel on the right. The tree view shows a hierarchy of nodes including Star Hotel Base, IT Room Fire Alarm, IT Room Water Flood, IT Room Temperature, Garibaldi Hotel Base2, Test Room Base, Deluxe Hotel Base, and Marco Hotel Base. The Alarm Panel shows a red header with the path 'Root>Test Room Base>Test Room Base > Temperature'. The Warning Panel shows a yellow header with paths like 'Root>Marco Hotel Base>1st Floor Temperature > Temperature'. Below these panels is a table with columns: Node Name, Module Name, Sensor Type, Status, Sensor Name, and Sensor Value. A hand icon points to the tree view.

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Marco Hotel Base	1st Floor Temperature	Temperature	WARNING	Temperature	30.39
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 0	No
Star Hotel Base	Star Hotel Base	Voltage	INACTIVE	Voltage 1	0.00
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No
Star Hotel Base	Star Hotel Base	Humidity	NORMAL	Humidity	48.80
Marco Hotel Base	Marco Hotel Base	Temperature	INACTIVE	Temperature	0.00
Test Room Base	Test Room Temperature	Humidity	NORMAL	Humidity	50.95
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	38.71
Star Hotel Base	Water Flood	NORMAL	NORMAL	Water Flood	No

Alarm or Warning Panel can be collapsed or expanded as shown below.



The screenshot shows the Sensplorer interface with the Alarm and Warning panels collapsed. Hand icons point to the collapse buttons on the right side of the panels. The table below shows the sensor data with an additional 'Last Update' column.

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value	Last Update
Marco Hotel Base	1st Floor Temperature	Temperature	WARNING	Temperature	30.39	01.07.2009 10:56:39
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 0	No	01.07.2009 16:54:40
Star Hotel Base	Star Hotel Base	Voltage	INACTIVE	Voltage 1	0.00	02.07.2009 13:39:30
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No	01.07.2009 10:56:28
Star Hotel Base	Star Hotel Base	Humidity	NORMAL	Humidity	48.80	02.07.2009 13:39:30
Marco Hotel Base	Marco Hotel Base	Temperature	INACTIVE	Temperature	0.00	01.07.2009 10:56:18
Test Room Base	Test Room Temperature	Humidity	NORMAL	Humidity	50.95	01.07.2009 16:54:50
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	38.71	01.07.2009 16:54:50
Star Hotel Base	Water Flood	NORMAL	NORMAL	Water Flood	No	01.07.2009 16:54:50



## 7.2 Monitoring

1. Click **Tools->Monitoring**. **Monitoring** window appears as in the example below. On the left pane the hierarchy of the Sensplorer devices are shown, on the right top pane in Warning Panel, the path of the warning is shown. (e.g. ABC Hotels>Verona>Garibaldi Hotel>10.1.1.169)

The screenshot shows the Sensplorer Monitoring interface. On the left, a tree view shows the device hierarchy starting from 'Root'. The main area is divided into three sections: 'Alarm Panel', 'Warning Panel', and a data table.

**Alarm Panel:** Shows the path 'Root>Test Room Base>Test Room Base > Temperature'.

**Warning Panel:** Shows three warning paths:
 

- Root>Marco Hotel Base>1st Floor Temperature > Temperature
- Root>Test Room Base>Test Room Temperature > Temperature
- Root>Garibaldi Hotel Base2>2d Floor Temperature > Temperature

**Data Table:** A table with columns: Node Name, Module Name, Sensor Type, Status, Sensor Name, and Sensor Value.

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Marco Hotel Base	1st Floor Temperature	Temperature	WARNING	Temperature	32.13
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 0	No
Star Hotel Base	Star Hotel Base	Voltage	INACTIVE	Voltage 1	0.00
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No
Star Hotel Base	Star Hotel Base	Humidity	NORMAL	Humidity	44.90
Marco Hotel Base	Marco Hotel Base	Temperature	INACTIVE	Temperature	0.00
Test Room Base	Test Room Temperature	Humidity	NORMAL	Humidity	46.32
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	36.04

2. You can click the plus sign next to the Root and continue clicking plus signs until you reach the alarm location. An example is shown below. The apth of the alarm is also shown under Alarm panel on the right.

This screenshot shows the Sensplorer Monitoring interface with the tree view expanded to show the path to the alarm. The 'Test Room Base' node is highlighted, and its sub-nodes are visible.

**Alarm Panel:** Shows the path 'Root>Test Room Base>Test Room Base > Temperature'.

**Warning Panel:** Shows the same three warning paths as in the previous screenshot.

**Data Table:** The table is updated with the following data:

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Test Room Base	Test Room Base	Humidity	NORMAL	Humidity	45.49
Test Room Base	Test Room Base	Air Quality	INACTIVE	Air Quality	1.00
Test Room Base	Test Room Base	Temperature	ALARM	Temperature	27.69

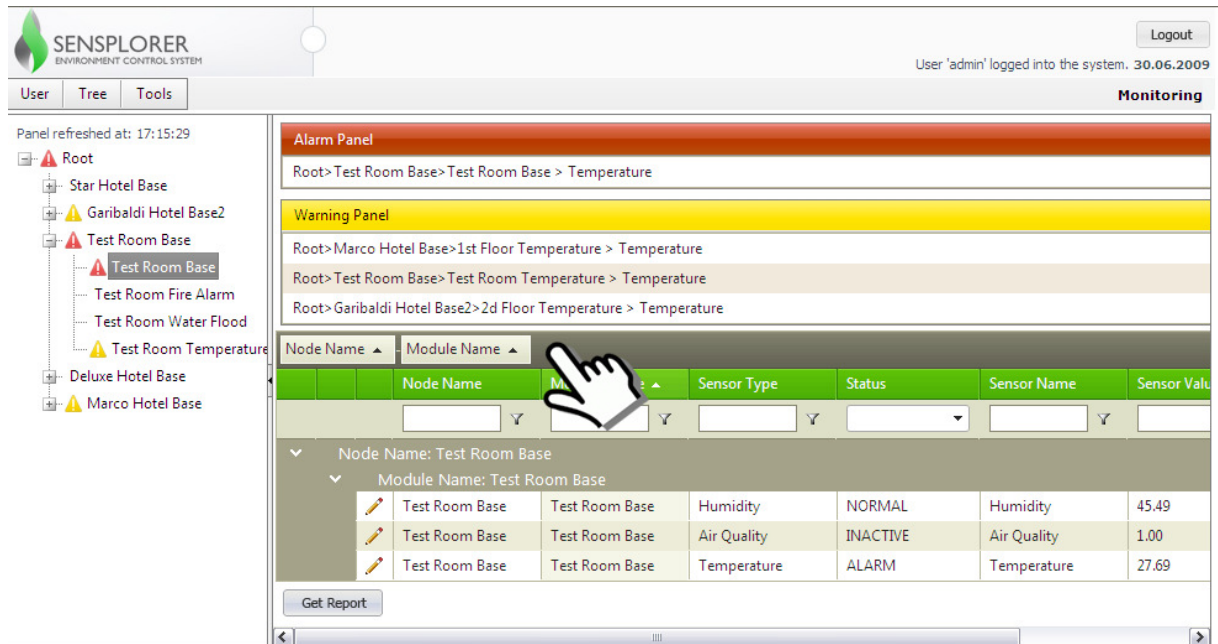


### 7.3 Reporting

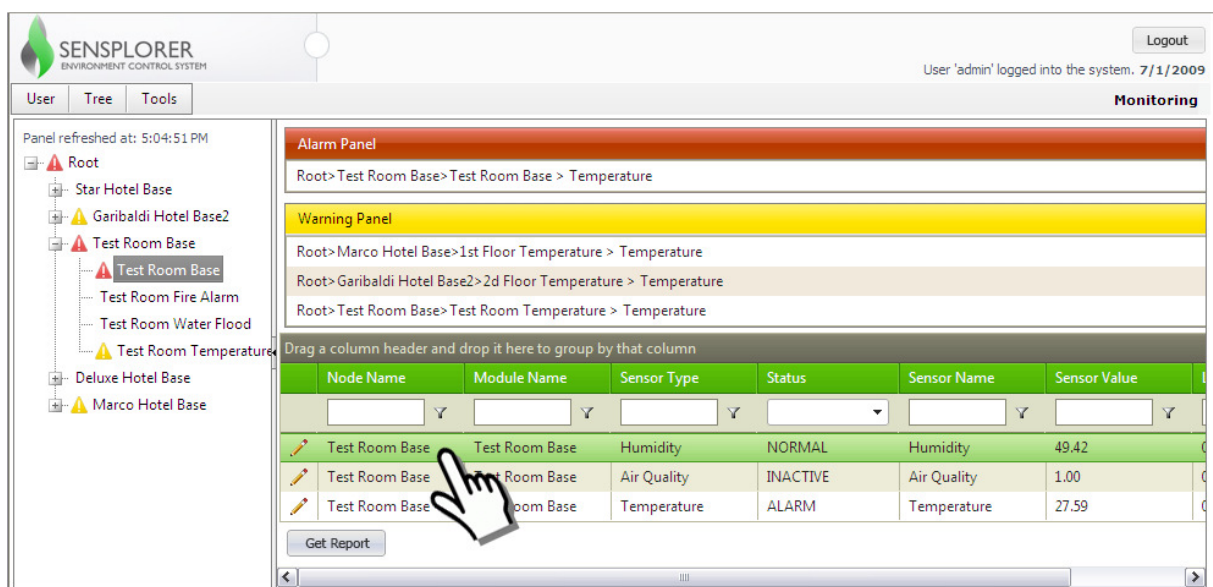
You can get reports by Grouping, Sorting or Filtering according to required fields.

#### 7.3.1 Reporting by Grouping

1. You can group according to the columns before taking a report. Click requested header and drag and drop that column header to the “Drag a column header and drop it ...” bar.
2. An example is shown below, Node Name and Module Name column headers are dragged and dropped on to the grey area.



3. Highlight an item as shown below, then Click **Get Report**.  
!!!You can select more than one item by clicking **Ctrl** key!!!

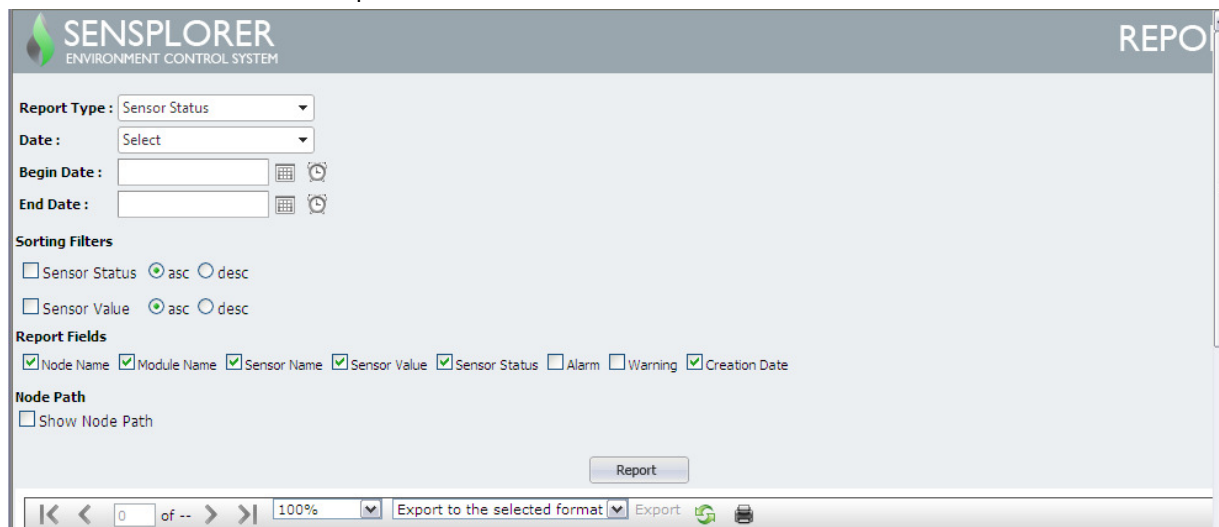


### 7.3.1.1 Report criteria selection

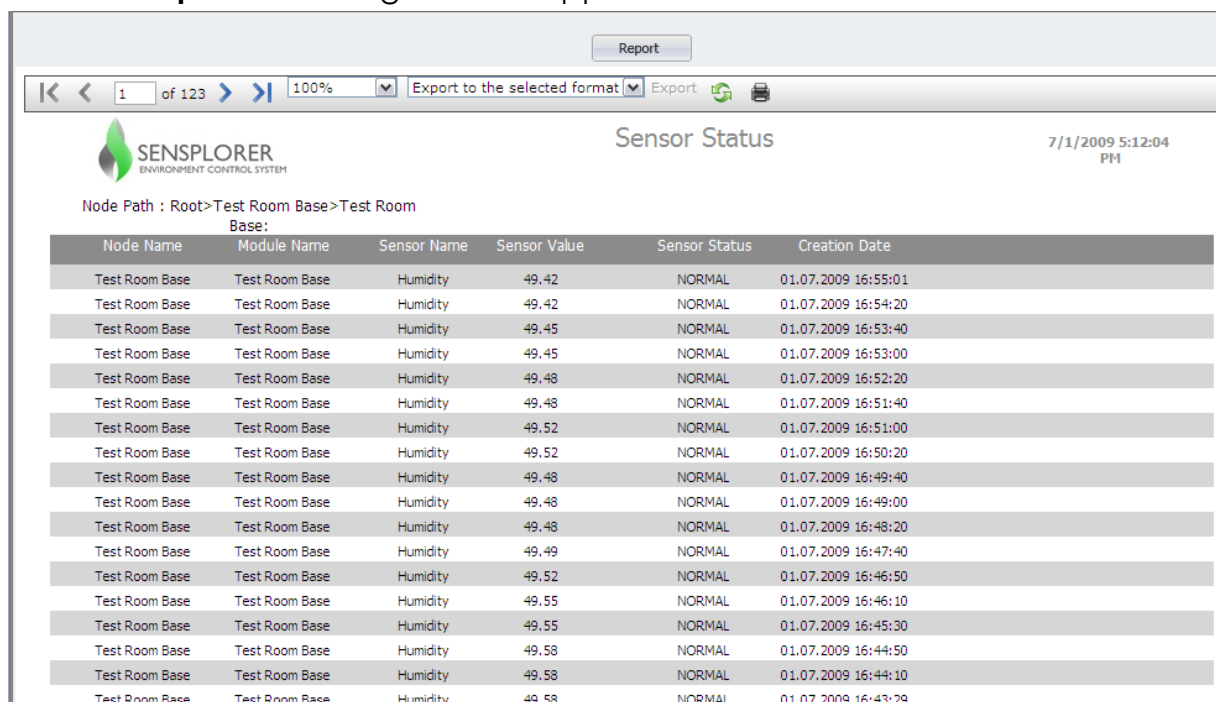
4. Report window appears.

Select:

- Report Type.
- Date (Today=starting from 00:00 till the time you selected today)
- Begin and End Date:here you can set beginning date and time and ending date and time.
- Sorting filters enables you to sort in ascending or descending order.
- Report Fields enables you to omit or include required data columns.
- Show Node Path enables you to show path of the node. If you want to see the node path, tick the checkbox.



5. Click **Report**. Following window appears.



- You can export to Acrobat PDF, CSV, Excel, RTF, TIFF or Web Archive as shown below. You can also print as the report is seen on window by clicking print icon.

**Sorting Filters**

Sensor Status  asc  desc

Sensor Value  asc  desc

**Report Fields**

Node Name  Module Name  Sensor Name  Sensor Value  Sensor Status  Alarm  Warning  Creation Date

**Node Path**

Show Node Path

---

1 of 123 100% Export

Sensor Status

7/1/2009 5:12:04 PM

Node Path : Root>Test Room Base>Test Room Base

Node Name	Module Name	Sensor Name	Sensor Value	Sensor Status	Creation Date
Test Room Base	Test Room Base	Humidity	49.42	NORMAL	01.07.2009 16:55:01
Test Room Base	Test Room Base	Humidity	49.42	NORMAL	01.07.2009 16:54:20
Test Room Base	Test Room Base	Humidity	49.45	NORMAL	01.07.2009 16:53:40
Test Room Base	Test Room Base	Humidity	49.45	NORMAL	01.07.2009 16:53:00
Test Room Base	Test Room Base	Humidity	49.48	NORMAL	01.07.2009 16:52:20
Test Room Base	Test Room Base	Humidity	49.48	NORMAL	01.07.2009 16:51:40
Test Room Base	Test Room Base	Humidity	49.52	NORMAL	01.07.2009 16:51:00
Test Room Base	Test Room Base	Humidity	49.52	NORMAL	01.07.2009 16:50:20
Test Room Base	Test Room Base	Humidity	49.48	NORMAL	01.07.2009 16:49:40
Test Room Base	Test Room Base	Humidity	49.48	NORMAL	01.07.2009 16:49:00
Test Room Base	Test Room Base	Humidity	49.48	NORMAL	01.07.2009 16:48:20
Test Room Base	Test Room Base	Humidity	49.49	NORMAL	01.07.2009 16:47:40
Test Room Base	Test Room Base	Humidity	49.52	NORMAL	01.07.2009 16:46:50
Test Room Base	Test Room Base	Humidity	49.55	NORMAL	01.07.2009 16:46:10
Test Room Base	Test Room Base	Humidity	49.55	NORMAL	01.07.2009 16:45:30
Test Room Base	Test Room Base	Humidity	49.58	NORMAL	01.07.2009 16:44:50

### 7.3.2 Reporting by Sorting

1. You can sort according to the columns before taking a report. Click requested header as shown below (Click when you see hand icon over column header). Page will be refreshed and items will be sorted in ascending order. If you click again items will be sorted in descending order.

Panel refreshed at: 1:57:44 PM

Root

- Star Hotel Base
  - IT Room Fire Alarm
  - IT Room Water Flood
  - IT Room Temperature
- Garibaldi Hotel Base2
- Test Room Base
- Deluxe Hotel Base
- Marco Hotel Base

Alarm Panel

Root>Test Room Base>Test Room Base > Temperature

Warning Panel

Root>Marco Hotel Base>1st Floor Temperature > Temperature

Root>Garibaldi Hotel Base2>2d Floor Temperature > Temperature

Root>Test Room Base>Test Room Temperature > Temperature

Drag a column header and drop it here to group by that column

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Marco Hotel Base	1st Floor Temperature	Temperature	WARNING	Temperature	30.39
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 0	No
Star Hotel Base	Star Hotel Base	Voltage	INACTIVE	Voltage 1	0.00
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No
Star Hotel Base	Star Hotel Base	Humidity	NORMAL	Humidity	48.80
Marco Hotel Base	Marco Hotel Base	Temperature	INACTIVE	Temperature	0.00
Test Room Base	Test Room Temperature	Humidity	NORMAL	Humidity	50.95
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	38.71
Star Hotel Base	Star Hotel Base	Water Flood	NORMAL	Water Flood	No

Items will be sorted in ascending order as shown below.

Panel refreshed at: 2:04:19 PM

Root

- Deluxe Hotel Base
  - IT Room Water Flood
  - IT Room Temperature
- Garibaldi Hotel Base2
- Deluxe Hotel Base
- Garibaldi Hotel

Alarm Panel

Root>Test Room Base>Test Room Base > Temperature

Warning Panel

Root>Marco Hotel Base>1st Floor Temperature > Temperature

Root>Garibaldi Hotel Base2>2d Floor Temperature > Temperature

Root>Test Room Base>Test Room Temperature > Temperature

Drag a column header and drop it here to group by that column

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No
Deluxe Hotel Base	Deluxe Hotel Base	Temperature	INACTIVE	Temperature	0.00
Deluxe Hotel Base	IT Room Water Flood	Water Flood	NORMAL	Water Flood	No
Deluxe Hotel Base	IT Room Temperature	Temperature	NORMAL	Temperature	25.73
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 0	No
Deluxe Hotel Base	IT Room Temperature	Humidity	NORMAL	Humidity	55.08
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	38.71
Garibaldi Hotel	Garibaldi Hotel				

- Click the row to highlight or if you want more than one item as shown below, you can select by clicking **Ctrl** key.

Drag a column header and drop it here to group by that column						
Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value	
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 1	No	
Deluxe Hotel Base	Deluxe Hotel Base	Temperature	INACTIVE	Temperature	0.00	
Deluxe Hotel Base	IT Room Water Flood	Water Flood	NORMAL	Water Flood	No	
Deluxe Hotel Base	IT Room Temperature	Temperature	NORMAL	Temperature	25.73	
Deluxe Hotel Base	Fire Alarm Panel	Kontak	NORMAL	Input 0	No	
Deluxe Hotel Base	IT Room Temperature	Humidity	NORMAL	Humidity	55.08	
Garibaldi Hotel Base2	2d Floor Temperature	Humidity	NORMAL	Humidity	38.71	
Garibaldi Hotel Base2	Garibaldi Hotel Base2	Temperature	NORMAL	Temperature	32.04	
Garibaldi Hotel Base2	Fire Alarm Panel	Kontak	NORMAL	Input 0	No	
Garibaldi Hotel Base2	Garibaldi Hotel Base2	Humidity	NORMAL	Humidity	36.94	

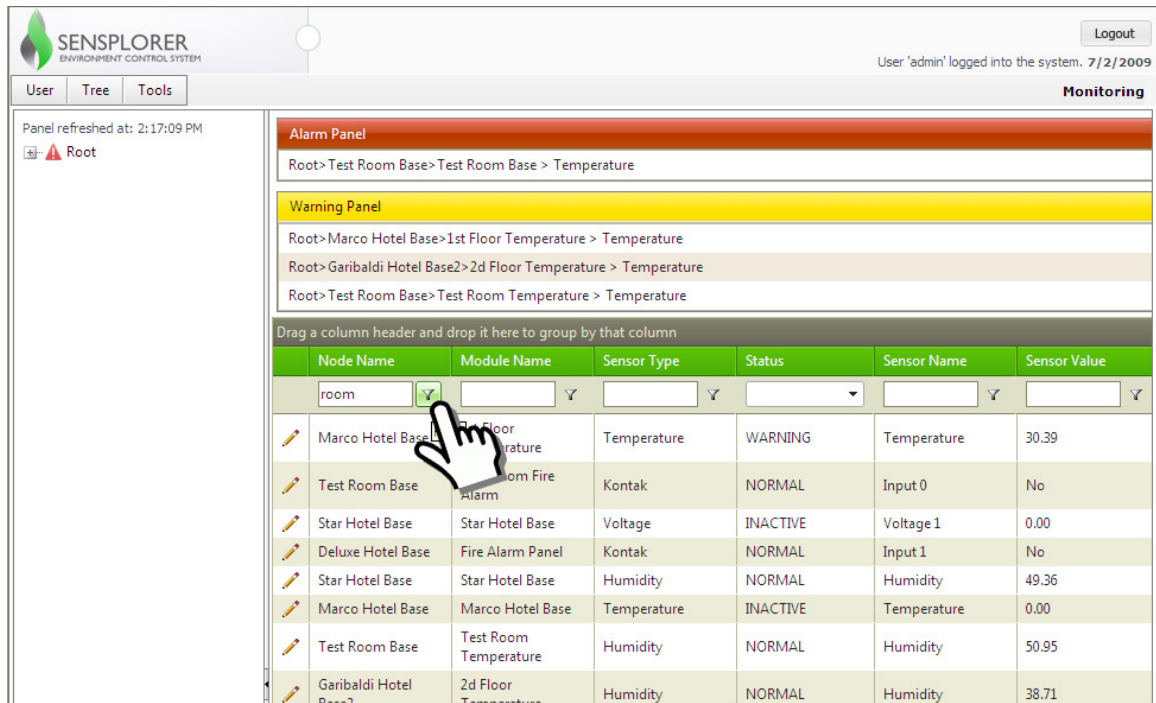
- Click **Get Report**. (Popup blocked warning may appear, click Always allow popups for this site.)

- Continue with **Report criteria selection 7.3.1.1**.

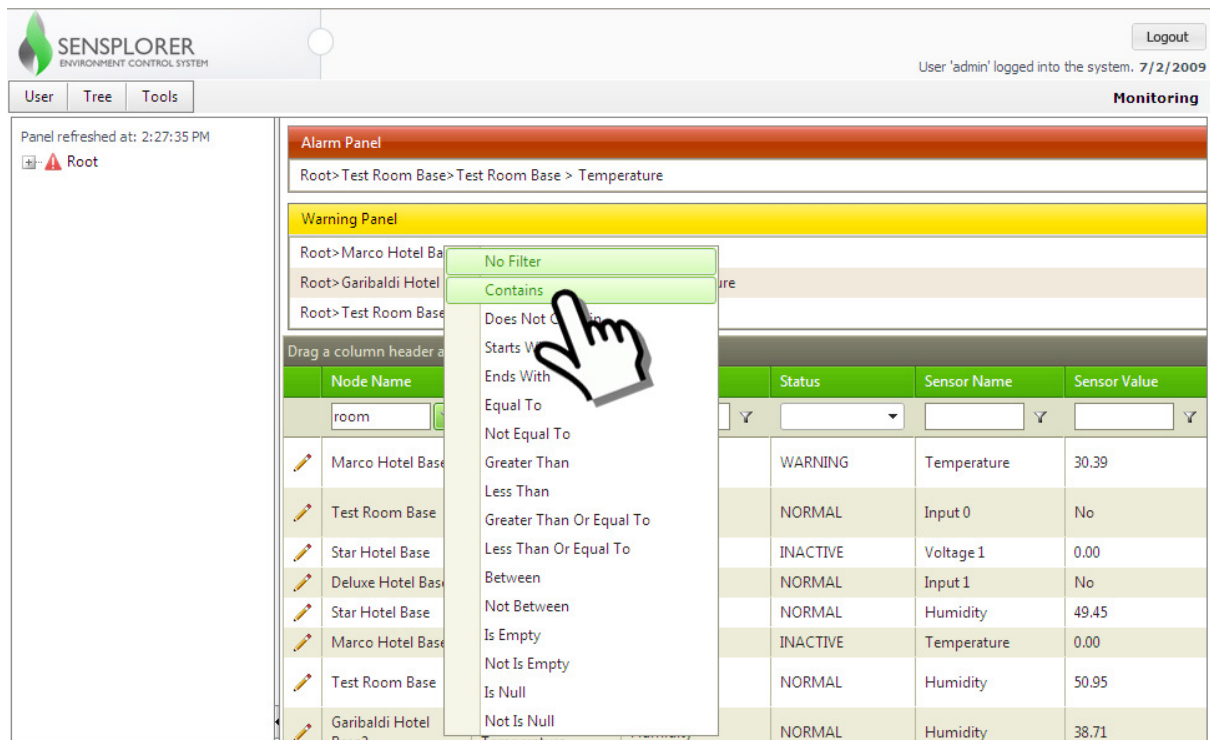


### 7.3.3 Reporting by Filtering

1. You can filter according to a word and filtering criteria (begins with, contains, etc.) before taking a report. Enter the word you want to use for filtering (e.g. room). Click requested filter icon as shown below.



2. Filtering logic criteria appears, let's select **Contains** as an example.



- Page will be refreshed. Items containing “room” will be filtered as shown below.

The screenshot shows the SENSPLORER Monitoring interface. The top navigation bar includes 'User', 'Tree', and 'Tools'. The main content area is divided into three panels: Alarm Panel, Warning Panel, and a data table. The Alarm Panel shows a path: Root>Test Room Base>Test Room Base > Temperature. The Warning Panel shows paths: Root>Marco Hotel Base>1st Floor Temperature > Temperature, Root>Garibaldi Hotel Base2>2d Floor Temperature > Temperature, and Root>Test Room Base>Test Room Temperature > Temperature. The data table below has columns: Node Name, Module Name, Sensor Type, Status, Sensor Name, and Sensor Value. A filter 'room' is applied to the Node Name column. The table contains 8 rows of sensor data.

Node Name	Module Name	Sensor Type	Status	Sensor Name	Sensor Value
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 0	No
Test Room Base	Test Room Temperature	Humidity	NORMAL	Humidity	50.95
Test Room Base	Test Room Base	Humidity	NORMAL	Humidity	49.42
Test Room Base	Test Room Temperature	Temperature	WARNING	Temperature	28.12
Test Room Base	Test Room Base	Air Quality	INACTIVE	Air Quality	1.00
Test Room Base	Test Room Fire Alarm	Kontak	NORMAL	Input 1	No
Test Room Base	Test Room Water Flood	Water Flood	NORMAL	Water Flood	No

- Highlight item(s) then Click **Get Report**. (Popup blocked warning may appear, click Always allow popups for this site.)

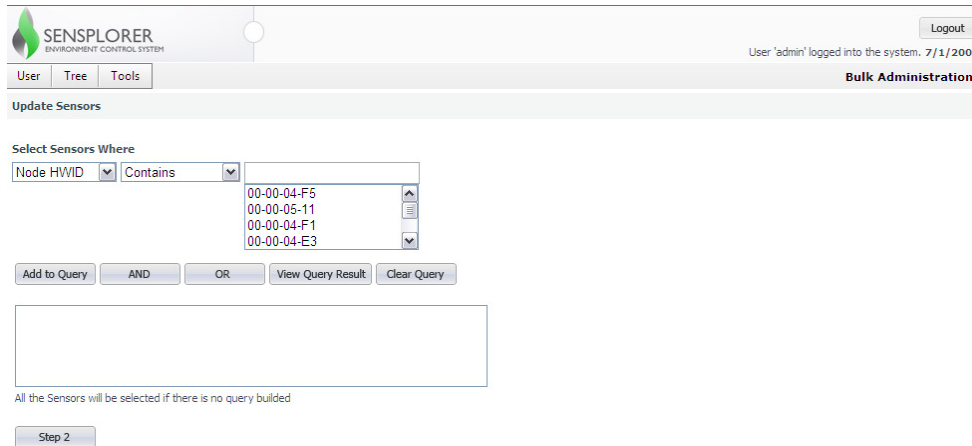
The screenshot shows the SENSPLORER Report generation interface. It includes a 'Report Type' dropdown set to 'Sensor Status', a 'Date' dropdown set to 'Select', and fields for 'Begin Date' and 'End Date'. Under 'Sorting Filters', 'Sensor Status' is selected with 'asc' sorting. Under 'Report Fields', 'Node Name', 'Module Name', 'Sensor Name', 'Sensor Value', 'Sensor Status', and 'Creation Date' are checked. The 'Node Path' checkbox is unchecked. A 'Report' button is at the bottom. The footer shows navigation icons, a page number '0 of --', a zoom level of '100%', and an 'Export' button.

- Continue with **Report criteria selection 7.3.1.1**.

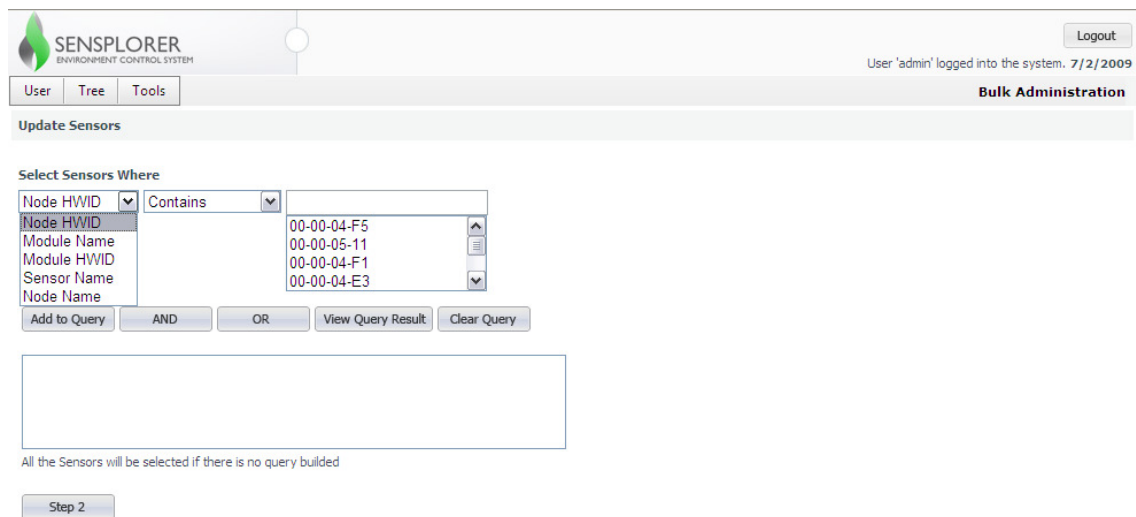
### 7.4 Bulk Administration

Bulk Administration enables you apply multiple changes for selected sensors with a single command.

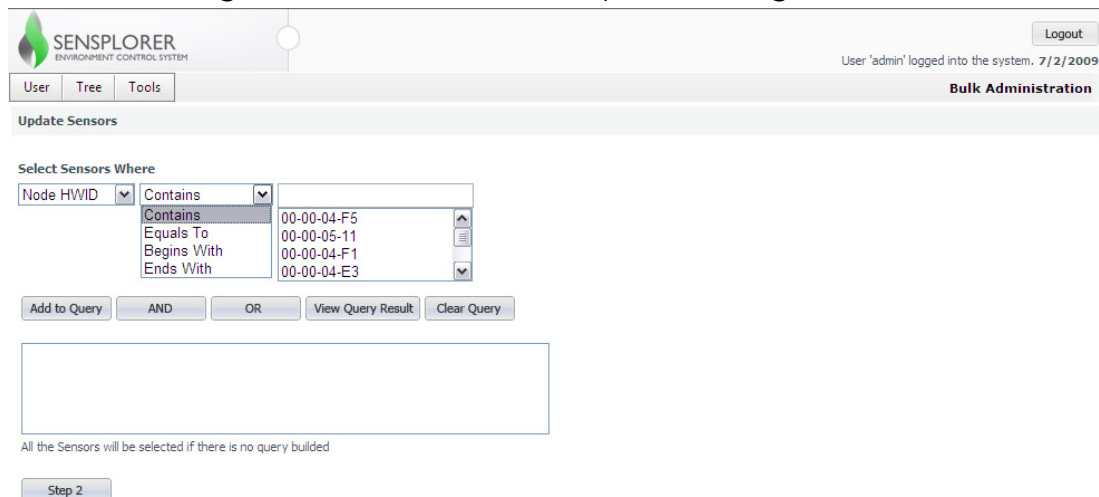
1. Click **Tools->Bulk Administration**. Following window appears.



2. You can select according to Node HWID, Module Name, Module HWID, Sensor Name or Node Name,



and according to letters it contains, equals to, begins with or ends with.





- Click **Add to Query**. An example is shown below. (e.g. Module Name Contains Fire Alarm Panel is selected and Add to Query is clicked)

The screenshot shows the 'Update Sensors' interface. At the top, there's a header with the Sensplorer logo and 'ENVIRONMENT CONTROL SYSTEM'. On the right, it says 'User 'admin' logged into the system. 7/2/2009' and 'Bulk Administration'. Below the header, there are tabs for 'User', 'Tree', and 'Tools'. The main section is titled 'Update Sensors'. Under 'Select Sensors Where', there are two dropdown menus: 'Module Name' and 'Contains'. A list of sensor names is shown, with 'Fire Alarm Panel' selected. Below the list are buttons for 'Add to Query', 'AND', 'OR', 'View Query Result', and 'Clear Query'. A text box contains the query: 'Module Name Contains 'Fire Alarm Panel''. Below this, it says 'All the Sensors will be selected if there is no query builded'. At the bottom, there is a 'Step 2' button.

- Click **Step2**.
- Sensor Values and related data will be seen, here you can activate or deactivate a sensor, set time delay, low and high values of the sensors. An example is shown below.

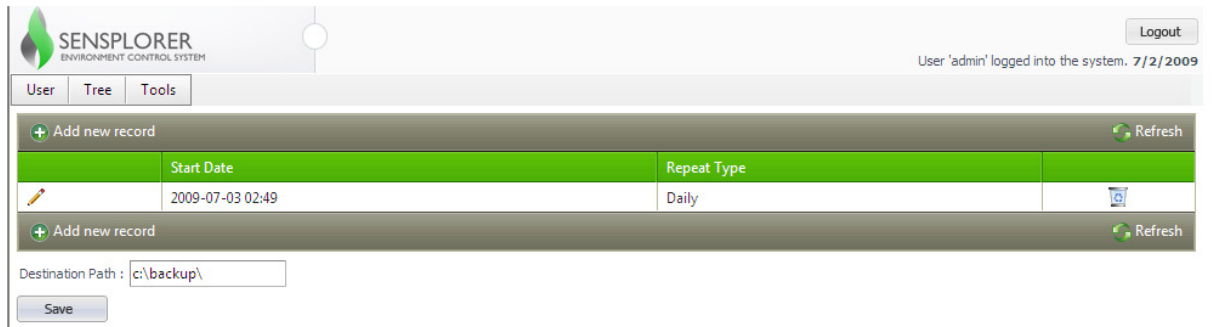
The screenshot shows the sensor configuration interface. At the top, there's a header with the Sensplorer logo and 'ENVIRONMENT CONTROL SYSTEM'. On the right, it says 'User 'admin' logged into the system. 7/2/2009' and 'Bulk Administration'. Below the header, there are tabs for 'User', 'Tree', and 'Tools'. The main section is titled 'Sensor Type : TEMPERATURE'. It has several fields: 'Sensor Name : Fire Alarm Temp.', 'Is Active : [checked]', 'Time Delay : 10 s', 'Warning Low : 25 °C', 'Warning High : 80 °C', 'Alarm Low : 15 °C', and 'Alarm High : 81 °C'. Below this, there are sections for 'Sensor Type : HUMIDITY', 'Sensor Type : AIR QUALITY', and 'Sensor Type : WATER FLOOD', each with their respective fields.

- When you are sure about the changes, click **Update**.

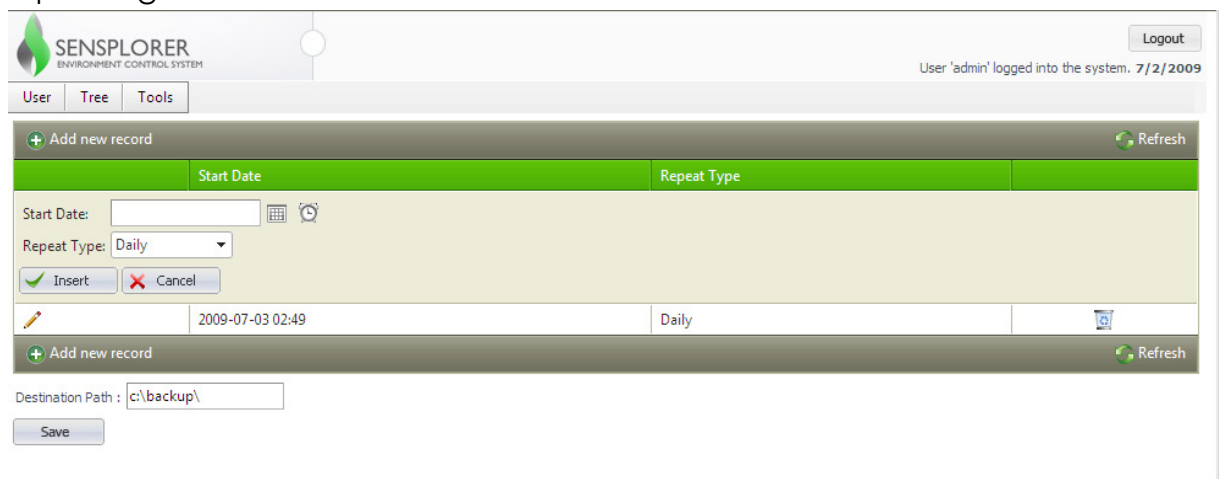
### 7.5 Backup

You can backup your Sensplorer system daily, weekly monthly.

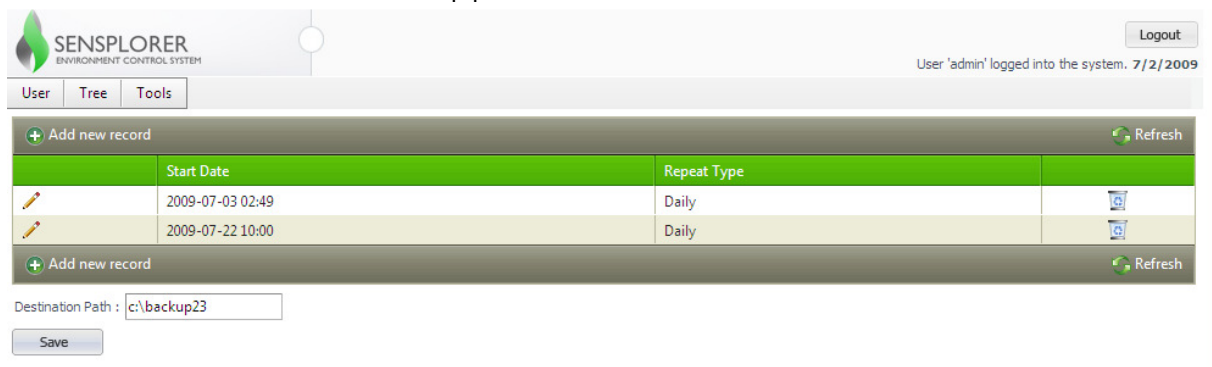
1. Click **Tools->Backup**. Following window appears. If there is a record added before, click edit icon if you want to modify. Click **Add new record** to add backup details.



2. Following window appears. Click calendar icon to select **Start Date**, click clock icon to select time. Click Repeat Type drop-down menu and select repeating time.



3. Click **Insert**. New record appears as shown below.



4. Enter destination path as *C:\Backup Folder Name*.
5. Click **Save**.

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