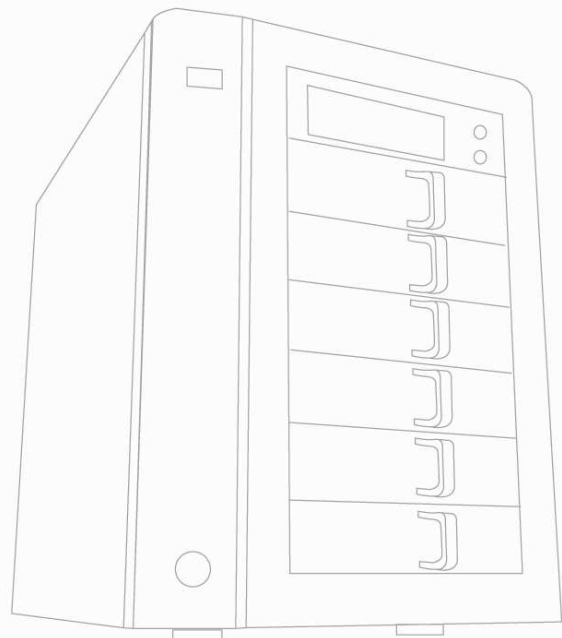


# ***SmartStor***<sup>TM</sup>



User Manual ·

SmartStor Cloud Web Admin Manual

# Administrator

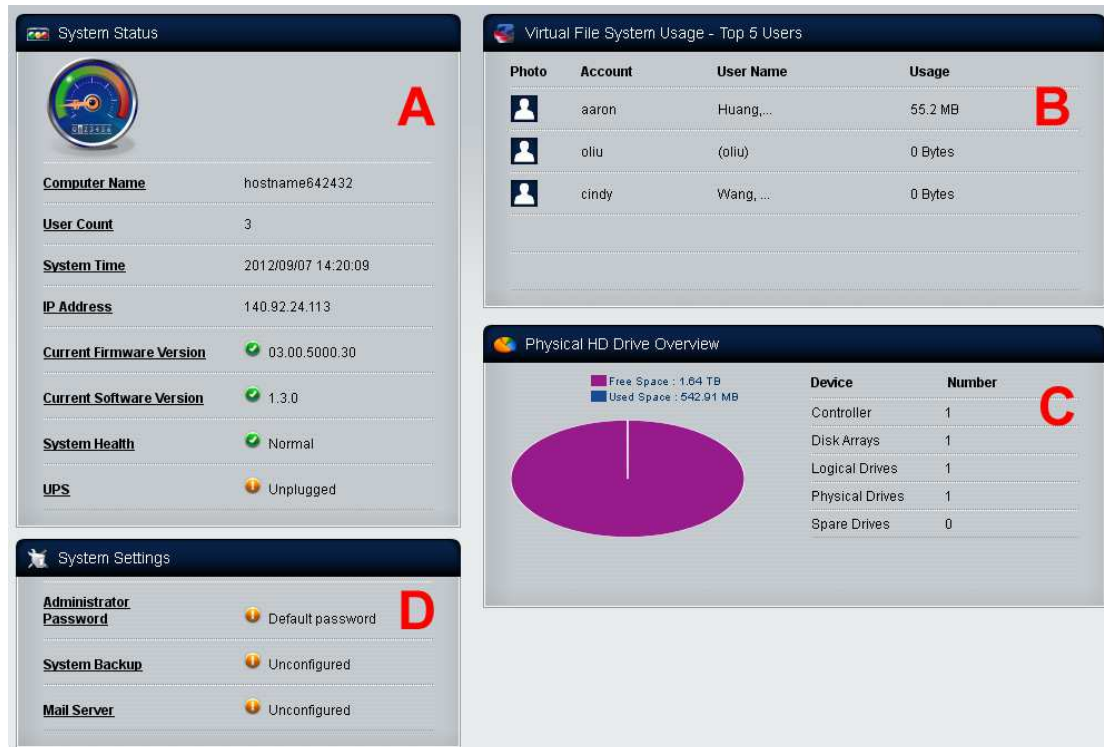
**※ Full language manuals are available in product disc or website.**

The SmartStor Cloud Administrator web site is used to control, setup, monitor, and manage the operation of the SmartStor Cloud Server. Many of the functions will affect the fundamental operation in the Server and thus are not available to general users, except the users who log in as Administrator.

**Note: With Internet Explorer, the server may encounter some unexpected errors; we highly recommend operating other web browsers for more stable performance.**

## Dashboard

Administrator can check the system summary in Dashboard, including system status, top usage users, and storage overview.



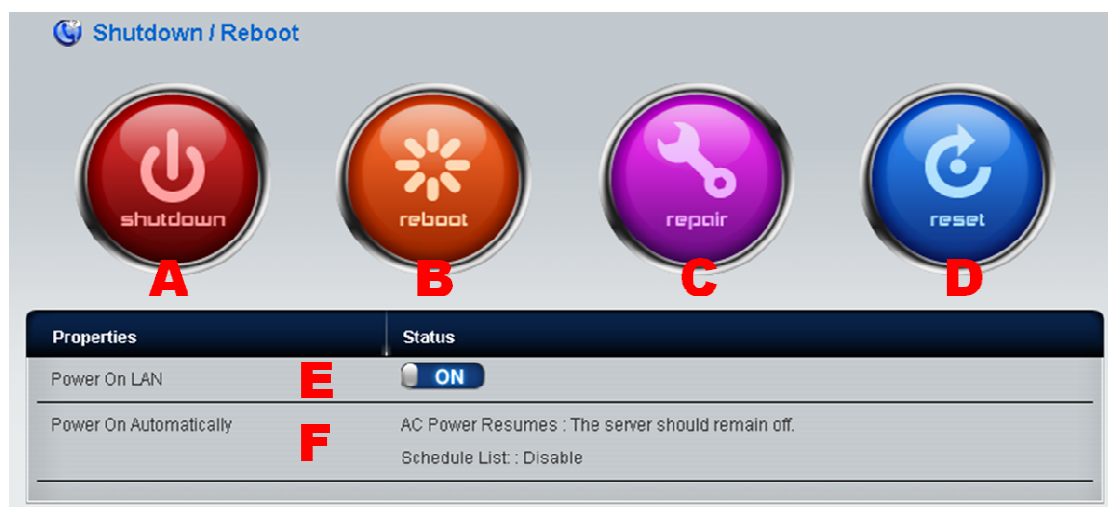
- System Status:** System Status field displays **Computer Name**, **User Count**, **System Time**, **IP Address**, **Firmware and Software Version**, **System Health**, and **UPS**.
- Virtual File System Usage - Top 5 Users:** It shows the top 5 users' information and how much space they have used.
- Physical HD Drive Overview:** Displays the general information of the current storage status, including **Physical Capacity** and **Device Number** in the system.
- System Settings:** It provides an quick link for administrators to manage the system settings, including Administrator password.

## Admin Tool

The SmartStor Cloud provides an easy way for administrators to manage the system settings. The entire system setting configuration is in the Admin Tool tab, including system **Shutdown/Reboot**, **Network**, **System Upgrade**, **Time Setting**, **Protocol Control**, **System Backup**, **Component List**, **UPS**, **AD Domain Setting**, **Agent Upload**, **Mail Server**, **Transmission Setting**, **DDNS Setting**, **System Health**, **Share Link Setting**, **Self-Registration Setting**, and **Computer Name**.

## Shutdown / Reboot

Administrator can shutdown/reboot the system or set Power On options in this page. Click the **Admin Tool** tab, select the **Shutdown/Reboot** menu item from the menu.



- A. **Shutdown:** To shut down the system.
- B. **Reboot:** To reboot the system. The SmartStor Cloud website will be locked and the system will restart.
- C. **Repair:** To do a Full Index Recovery. It is recommended to perform this if your system experienced an abnormal shutdown.
- D. **Reset:** Format the RAID.
- E. To enable / disable **Power On LAN**.
- F. Automatic Power On settings.

## Network

The network configuration of the SmartStor Cloud Server. The Server can use one IP address or two different IP address for communication. Both IPV4 and IPV6 are supported. Click the **Admin Tool** tab, select the **Network** menu item from the menu.

The screenshot shows the 'Network' configuration page. At the top, there's a 'Network' header with a globe icon. Below it, there are tabs for 'IPV4' and 'IPV6', with a red 'A' next to 'IPV4'. The main content area has two modes: 'Bind' and 'Un-bind'. The 'Bind' mode is selected, and its description is 'In bind mode, two adapters use one IP for communication.' This is marked with a red 'B'. The 'Un-bind' mode description is 'In un-bind mode, two adapters use different IP for communication.' Below these, there are radio buttons for 'Obtain an IP Address Automatically (DHCP)' and 'Static IP Setting', with a red 'C' next to 'Static IP Setting'. The 'Static IP Setting' section contains fields for 'IP Address' (140.92.24.113), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (140.92.24.1), 'Primary DNS Address' (140.92.66.45), and 'Secondary DNS Address' (empty). A 'Save' button is at the bottom.

- A. Setting of **IPV4 / IPV6**.
- B. Select **Bind** or **Un-bind** mode. Bind use single IP address for communication; Un-bind use two separate IP address for communication.
- C. **IP Address** and **DNS Server** settings.

## System Upgrade

Before you update the firmware, download the latest firmware image file to your computer. Click the **Admin Tool** tab, select the **System Upgrade** menu item from the menu.

A

Manual Upgrade

Auto-Maintenance

Scheduling

Upgrade firmware on HBA or subsystem RAID Controller

Current Firmware Version 03.00.5000.30

Current Software Version 1.3.0

Local Flash File Name

B

Manual Upgrade

Auto-Maintenance

Scheduling

Enable Automatic Updates

Current Firmware Version 03.00.5000.30

Current Software Version 1.3.0

Update Service Address

Last Successful Check  Never

Next Scheduled Check No existing schedule

Firmware

Software

Auto Install Firmware

Last Update  Never

Scheduled Firmware Update No existing schedule

C

Manual Upgrade

Auto-Maintenance

Scheduling

Check for Update Every 1 day at 04 : 30

Scheduling Choose periods where your system is least likely to be in heavy use so that maintenance will not disturb normal operations. It is recommended that you choose at least two maintenance periods of at least two hours on different days to insure that your appliance is updated as required. Remember your appliance must be powered up and connected to the internet to receive updates during the selected periods.

Day of Week	Start of Period	End of Period
<input checked="" type="checkbox"/> Sunday	02 : 00 - 05 : 00	
<input type="checkbox"/> Monday		
<input type="checkbox"/> Tuesday		
<input type="checkbox"/> Wednesday		
<input type="checkbox"/> Thursday		
<input type="checkbox"/> Friday		
<input checked="" type="checkbox"/> Saturday	02 : 00 - 05 : 00	

- A. **Manual Upgrade:** Select the firmware image file, and click **Submit**. When upgrade finishes, the system needs to restart.
- B. **Auto-Maintenance:** Automatic checks and maintains firmware and software updates.
- C. **Scheduling:** Choose the upgrade time every day or in days of week.

## Time Setting

The SmartStor Cloud supports manually setup the time of the system or use NTP server. Click the **Admin Tool** tab, select the **Time Setting** menu item from the menu.

**Time Setting**

**Local Date and Time**

**Date** 2011 - 10 - 15

**Time** 23 : 06 : 35

**Zone** GMT+8

**NTP Management** **Date and Time Settings**

**Time Zone** (GMT+8:00) Beijing, Hong Kong, Perth, Singapore, Taipei

**Server 1** time.nist.gov (Ex : time.nist.gov)

**Server 2** tick.stdtime.gov.tw

**Save**

**NTP Management** **Date and Time Settings**

**Date** 10/15/2011 (Ex : 12/25/2010)

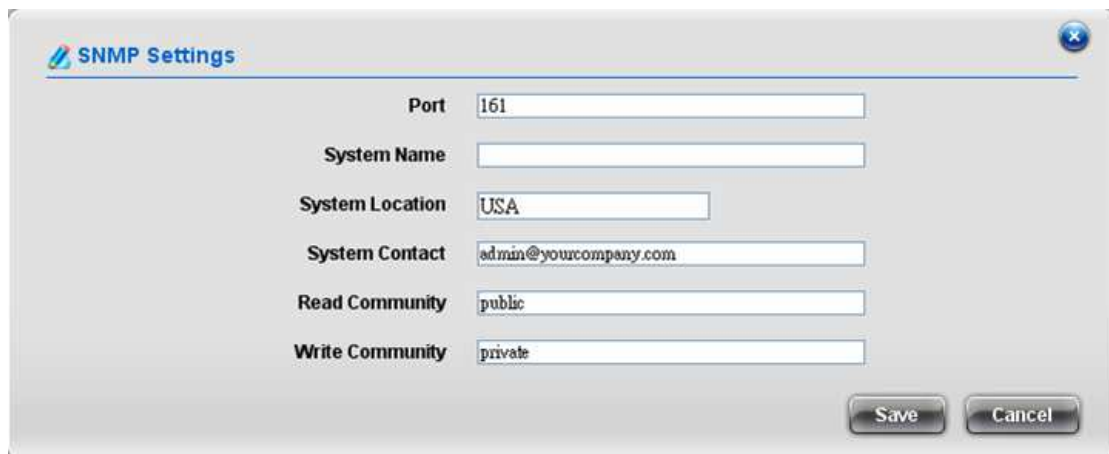
**Time** 23 : 02 : 58

**Save**

- A. **Local Date and Time** information.
- B. **NTP Management:** Select time zone and set NTP server name or IP address.
- C. **Date and Time Settings:** Select Date and set Hour, Minute, Second.

## Protocol Control

The SmartStor Cloud supports SNMP network protocol. Click the **Admin Tool** tab; select the **Protocol Control** menu item from the menu. Type in information in the fields and click **Save**.

A screenshot of the 'SNMP Settings' dialog box. The dialog has a title bar with a close button. Inside, there are several labeled text input fields: 'Port' with the value '161', 'System Name' (empty), 'System Location' with the value 'USA', 'System Contact' with the value 'admin@yourcompany.com', 'Read Community' with the value 'public', and 'Write Community' with the value 'private'. At the bottom right, there are 'Save' and 'Cancel' buttons.

Port	161
System Name	
System Location	USA
System Contact	admin@yourcompany.com
Read Community	public
Write Community	private

## System Backup

To backup the files and directories, SmartStor Cloud provides three approaches:

- **Remote Backup:** Synchronize files and directories in the Server to a remote Server. Administrators can schedule a routine backup.
- **Local Backup:** Local Backup enables you to change the backup services of the SmartStor Cloud and the USB storage device.
- **Amazon S3:** SmartStor Cloud allows administrator to upload or download backup files to Amazon S3. Administrators can schedule a routine backup.

## Component List

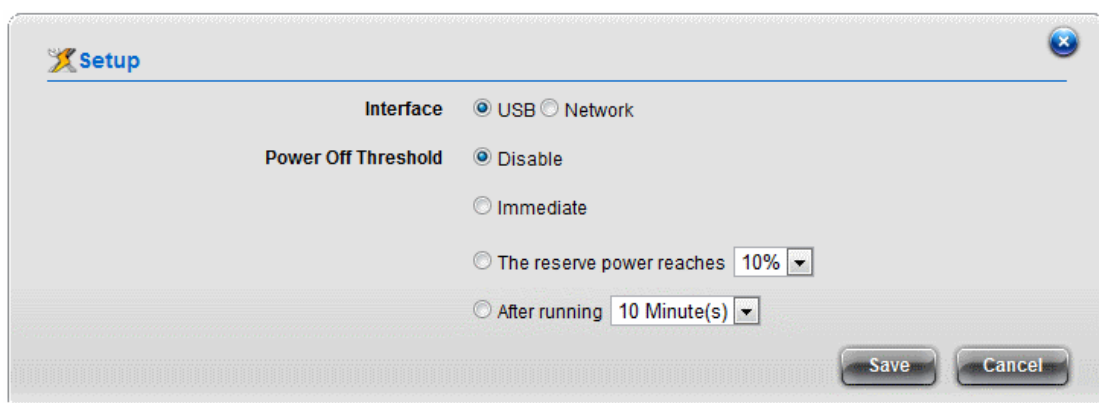
Click the **Admin Tool** tab, select the **Component List** menu item from the menu. It will display the information on the components in the system and their status.

ID		Type		
Enclosure 1		SmartStor A6-CLD		
Enclosure <b>A</b>	ID	Status	Type	Status Description
	1		SmartStor A6-CLD	Normal Condition
Buzzer <b>B</b>	ID	ON/OFF	Status	
	1	ON	Silent	
Fan <b>C</b>	ID	Status		
	1	Automatic		

- A. **Enclosure:** The PSU operational monitors including the current Blower, Temperature, and Voltage information, and they will be displayed along with **Healthy Threshold** information.
- B. **Buzzer:** Beep/mute the buzzer or to locate the machine.
- C. **Fan:** Manual or Automatic, and the target temperature.

## UPS

Click the **Admin Tool** tab, select the **UPS** menu item from the menu. It will display the information of the connected UPS in the system. Select the option you want and complete the required settings, and then click **Save** button to commit the change.

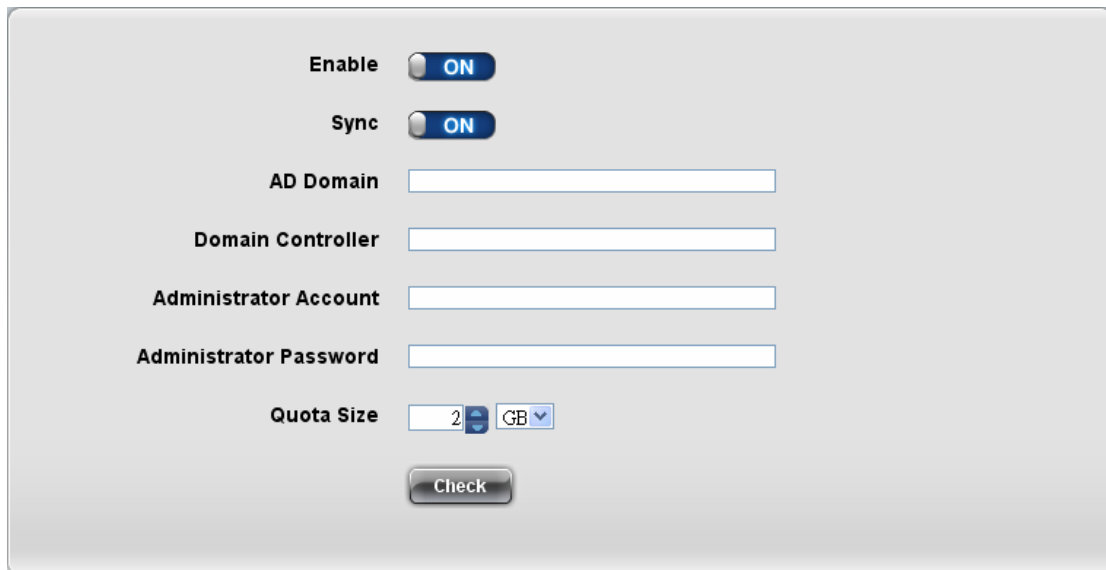


The image shows a 'Setup' dialog box for UPS configuration. It has a title bar with a close button. The main area contains two sections: 'Interface' and 'Power Off Threshold'. Under 'Interface', there are two radio buttons: 'USB' (selected) and 'Network'. Under 'Power Off Threshold', there are four radio buttons: 'Disable' (selected), 'Immediate', 'The reserve power reaches' (with a dropdown menu showing '10%'), and 'After running' (with a dropdown menu showing '10 Minute(s)'). At the bottom right, there are 'Save' and 'Cancel' buttons.

## AD Domain Setting

Administrator can set up Active Directory to authenticate the users. In the AD mode, administrator cannot create, delete, disable, enable users, or change user's password. Click the **Admin Tool** tab, select the **AD Domain Setting** menu item from the menu.

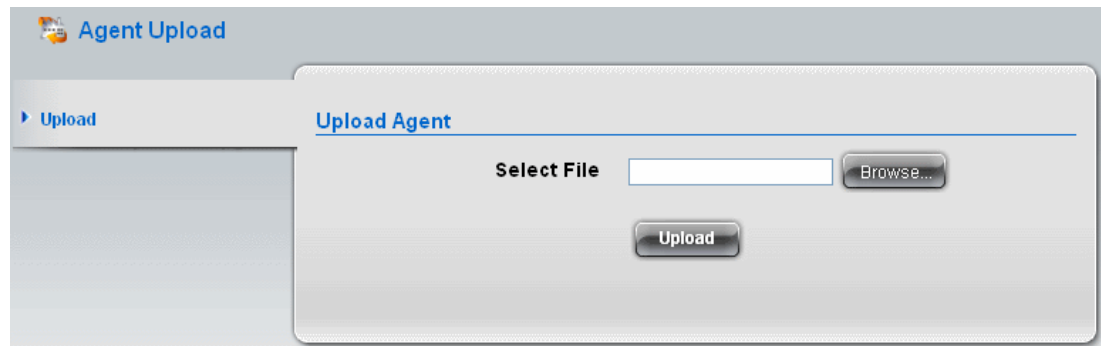
To use AD Domain, check and confirm the users and their modification action for Switch to AD.



The screenshot shows the 'AD Domain Setting' form. It includes two toggle switches for 'Enable' and 'Sync', both set to 'ON'. Below these are five text input fields for 'AD Domain', 'Domain Controller', 'Administrator Account', and 'Administrator Password'. A 'Quota Size' field is set to '2' with a unit dropdown menu showing 'GB'. A 'Check' button is located at the bottom of the form.

## Agent Upload

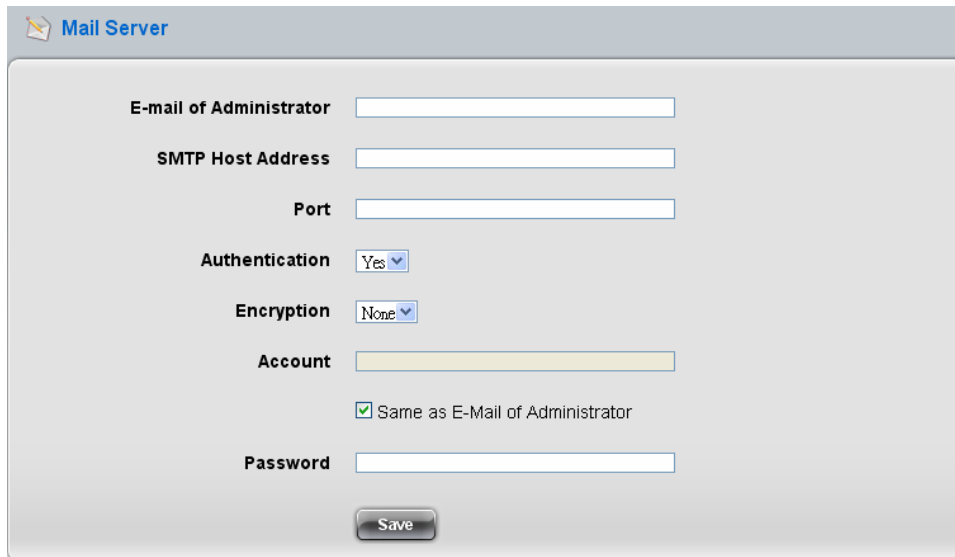
Click the **Admin Tool** tab, select the **Agent Upload** menu item from the menu. Select the agent file and click **Upload**.



The screenshot shows the 'Agent Upload' form. It has a sidebar with 'Upload' selected. The main area is titled 'Upload Agent' and contains a 'Select File' label, a text input field, and a 'Browse...' button. Below these is an 'Upload' button.

## Mail Server

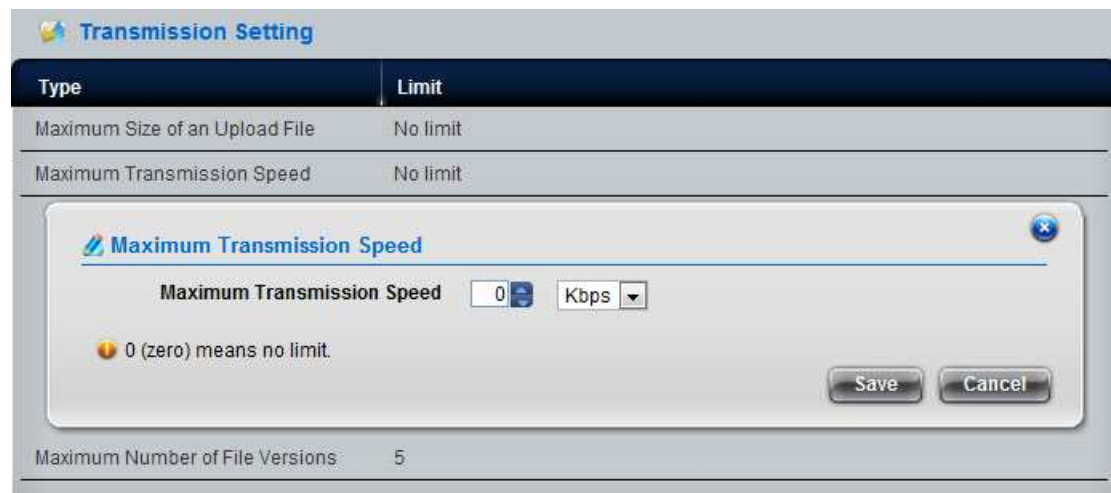
The Mail Server is setup for delivering emails. Click the **Admin Tool** tab, select the **Mail Server** menu item from the menu. Fill in the fields, validate and save the settings.



The Mail Server configuration window contains the following fields and options:

- E-mail of Administrator**: Text input field.
- SMTP Host Address**: Text input field.
- Port**: Text input field.
- Authentication**: Dropdown menu with "Yes" selected.
- Encryption**: Dropdown menu with "None" selected.
- Account**: Text input field.
- ☒ Same as E-Mail of Administrator
- Password**: Text input field.
- Save**: Button at the bottom.

## Transmission Setting



The Transmission Setting window displays a table of settings and a detailed view for the Maximum Transmission Speed.

Type	Limit
Maximum Size of an Upload File	No limit
Maximum Transmission Speed	No limit

**Maximum Transmission Speed** (Detailed View):

- Maximum Transmission Speed: 0 Kbps
- 0 (zero) means no limit.
- Save** and **Cancel** buttons.

Maximum Number of File Versions: 5

- A. **Maximum Size of an Upload File:** Single file size limitation for uploading from website.
- B. **Maximum Transmission Speed:** Speed limitation for client agent.
- C. **File Version Size:** The number of how many versions of file to keep.

## DDNS Setting

Keep your DNS configuration up to date.

**DDNS Setting**

Enable DDNS ☒

DDNS Server www.dyndns.com

Host Name

User Name

Password

**Submit**

## System Health

Monitor system services and resource, including **HTTP Server**, **Appliance Interface**, **Memory**, **Virtual File System**, and **Database**.


**System Health**

Next check will be after 49 Minute(s) **Check now** **Settings**

Monitored Service or Resource	Self-Fix	Status	Description	Last Health Check Time	Fix Manually
HTTP Server	<input type="checkbox"/>	Normal	HTTP server is working normally	2012/09/10 11:00:02	<b>Fix</b>
Appliance Interface	<input type="checkbox"/>	Normal	Appliance interface is working normally	2012/09/10 11:00:02	<b>Fix</b>
Memory	<input type="checkbox"/>	Normal	Memory usage is normal	2012/09/10 11:00:02	<b>Fix</b>
Virtual File System	<input type="checkbox"/>	Normal	Virtual file system is working normally	2012/09/10 11:00:02	<b>Fix</b>
Database	<input type="checkbox"/>	Normal	Database is working normally	2012/09/10 11:00:03	<b>Fix</b>

## Share Link Setting


SmartStor Cloud allows users share files to others who are not in SmartStor Cloud with hyperlink. Click **Admin Tool** tab, select the **Share Link Setting** menu item from the menu.

 **Warning**

---

- By enabling this function (ON/OFF) you are allowing selected users to provide access (Share Link) to your organization's data without requiring a login to the appliance or other authentication.
- Specifying a Port Number on this menu and opening access to that port on your firewall will allow users outside of your organization to access Share Link from anywhere on the internet.
- You can limit which users are permitted to do this using the "Administrator" menu under "User Management".
- You can limit the amount of time (Max./Default Expiry) or number of uses (Max./Default Use Count) of access to Share Link on this page.
- Click (Save) to apply to this function.

OK

 **Share Link Setting**

---

**Enable**


**Port Number**

**Default Link Expiry Time**  hour(s)

**Maximum Link Expiry Time**  hour(s)

**Default Link Use Count**  time(s)

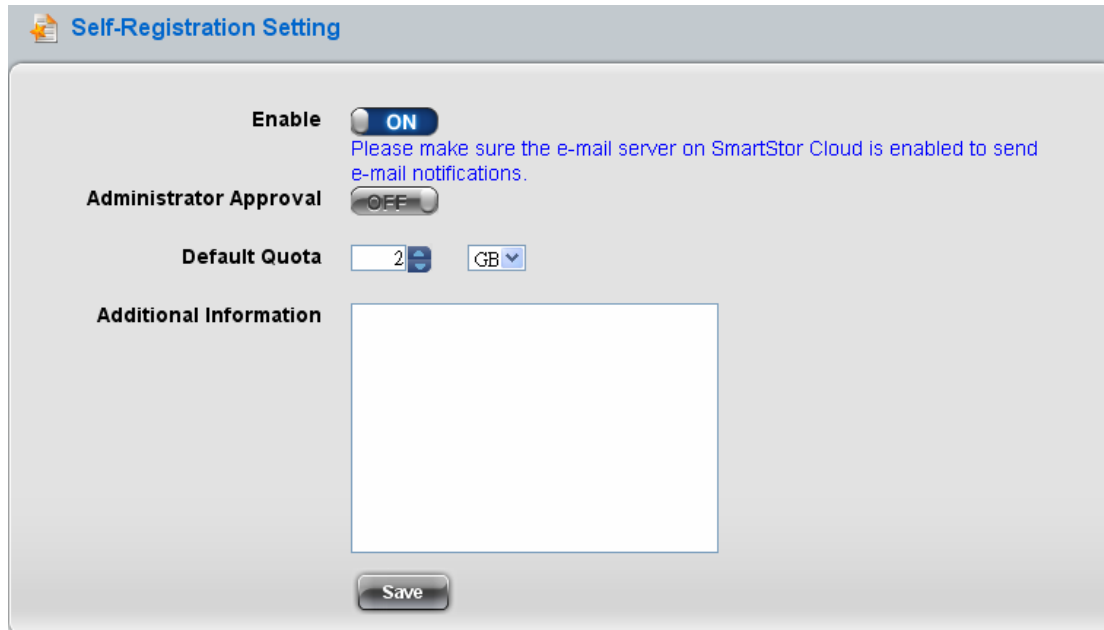
**Maximum Link Use Count**  time(s)

 0 means the shared file download time(s) or hour(s) is un-limited.

Save

## Self-Registration Setting

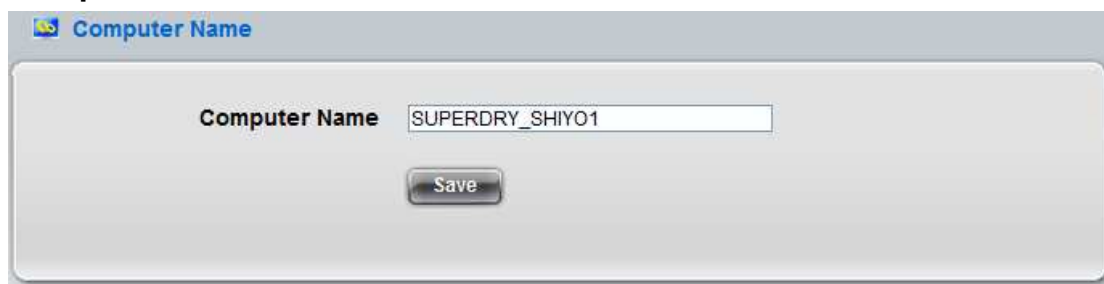
Self-Registration is a feature that users can register a new account by themselves. Administrator can modify the settings in **Admin Tool** tab, **Self-Registration Setting** menu item.



The 'Self-Registration Setting' interface is a web-based configuration panel. It features a title bar with a folder icon and the text 'Self-Registration Setting'. The main area contains four settings: 'Enable' with a toggle switch set to 'ON' and a blue note below it stating 'Please make sure the e-mail server on SmartStor Cloud is enabled to send e-mail notifications.'; 'Administrator Approval' with a toggle switch set to 'OFF'; 'Default Quota' with a text input field containing '2' and a unit dropdown menu set to 'GB'; and 'Additional Information' with a large empty text area. A 'Save' button is located at the bottom center of the panel.

## Computer Name

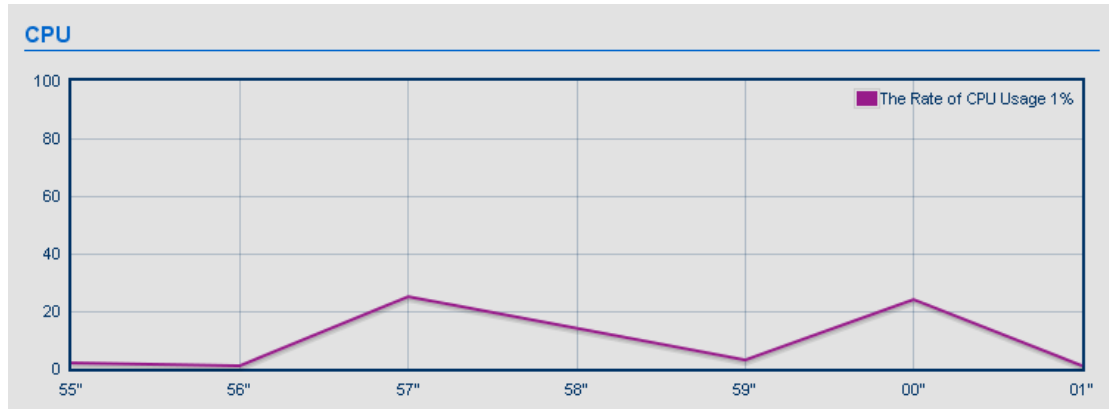
Computer Name is a feature that administrator can edit a new computer name by themselves. Administrator can modify the settings in **Admin Tool** tab, **Computer Name** menu item.









The 'Computer Name' interface is a simple web-based configuration panel. It has a title bar with a folder icon and the text 'Computer Name'. The main area contains a single setting: 'Computer Name' with a text input field containing the value 'SUPERDRY\_SHIYO1'. A 'Save' button is positioned below the input field.

## Monitor

The Monitor page makes it easier to track the system status.



-  **CPU / Memory:** To view CPU and memory usage rate.
-  **RAID Monitor:** To view storage information.
-  **Network Monitor:** To view network configuration and network usage.
-  **Application Log:** Report of the system actions.
-  **User Log:** Report of user's actions.
-  **Events:** System events report on Devices.

## User Management

### Manage Users

The screenshot shows the 'Manage Users' page. At the top, there is a search bar labeled 'Search User' (A) and a 'Create New User' button (B). Below these, a summary line states 'Total of 3 users. 6.0 GB Quota allocated.' A table lists the users with columns for Status, Photo, Account, User Name, Usage, Quota, and Action. The first user, 'aaron', is highlighted with a red box (D). The 'Status' column has a toggle switch (C) set to 'ON'. The 'Action' column contains icons for edit, password change, and delete (E).

Status	Photo	Account	User Name	Usage	Quota	Action
ON		aaron	Huang, Aaron	55.2 MB	2.0 GB	
ON		cindy	Wang, Cindy	0 Bytes	2.0 GB	
ON		oliu	(oliu)	0 Bytes	2.0 GB	

- A. **Search Bar:** Use keywords to search the users.
- B. **Create New User:** All the fields must be filled in.
- C. **Enable/Disable:** Enable or disable a user.
- D. User information including Account, User Name, quota usage, and total quota.
- E. **Actions:**
  - Edit the users' profile.
  - Change users' password.
  - Delete users and their data.

## Manage Share Group

Manage selectable groups for sharing.

**Manage Share Group** Create Share Group

Total of 4 share groups

Share group name	Number of members	Action
Group1	2	
Group2	2	
Group3	3	
Group4	4	

- A. Group's information including group's name and number of members in the group.
- B. **Action:**
  - Edit the group's name and members.
  - Delete group.

## Request Management

Administrators can review the sign up request here and choose to approve or not.

**Request Management**

**Request List**

<input type="checkbox"/> From Email	Additional Information	Received
<input type="checkbox"/> User30@org.tw	I would like to join SmartStor Cloud.	2012/02/29 17:32
<input type="checkbox"/> User40@org.tw	I would like to join SmartStor Cloud.	2012/02/29 17:33

Approve Deny

## Quota Setting

The system will refer to this setting when creating account. Click **User Management** tab, select the **Quota Setting** menu item from the menu.



The screenshot shows a web interface for 'Quota Setting'. At the top, there is a header bar with a small icon and the text 'Quota Setting'. Below this, the main content area has a label 'Quota Size' followed by a text input field containing the number '4' and a unit dropdown menu currently set to 'GB'. Below these elements is a 'Save' button.