



Cloud Server Control Panel

Defining next generation of cloud server grid

Power-All Networks Ltd. User Guide

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1. Introduction

Cloud Server Control Panel is an on-demand based cloud computing platform allowing users to deploy and scale their infrastructure on the cloud virtually.

This allows users to deploy and manage all servers in one place. In minutes, users can have a full control of server resources, ie: upgrade or downgrade CPU, ram, etc. and deploy firewalls to servers. What's more? Users can create their own custom templates for their servers and this sharp increases the flexibility of usage.

With our powerful control panel, users can manage their billing account, additional resources and the virtual machines from one comprehensive and friendly interface.

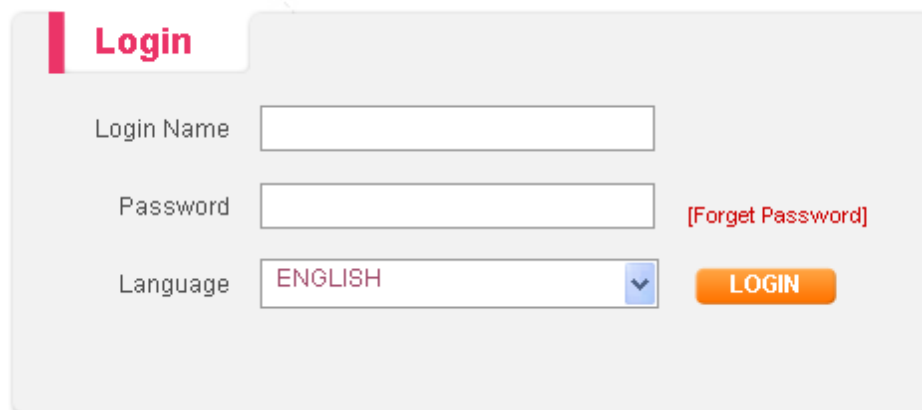
This documentation is divided into several categories, for instance, **“Account Preference”**, **“Cloud Server Subscriptions”**, **“Custom Template”**, which covers different services to manage user's resources. At the end of document, you will find **“FAQ”** for specific task guides.

2. Getting Start

Subscription Flow

STEP 1 Open <http://192.168.11.1:10002/views/login.php>.

We can see the login page of cloud server control panel.

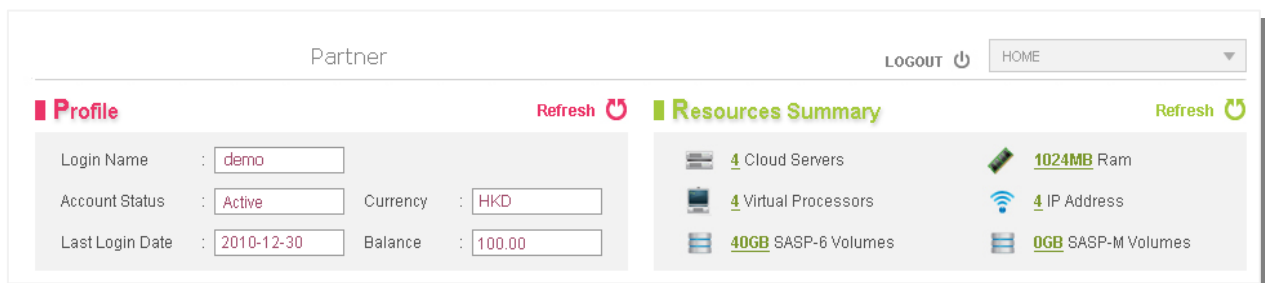


The screenshot shows a login form titled "Login". It contains three input fields: "Login Name", "Password", and "Language". The "Language" field is a dropdown menu currently set to "ENGLISH". To the right of the "Password" field is a link labeled "[Forget Password]". A blue "LOGIN" button is positioned to the right of the "Language" dropdown.

STEP 2 Input the login name, password and select the panel display language. Display language can be selected in the login page or click the language bar which locates at the top right corner after login.



After click "LOGIN", it will direct to the home page of control panel.



The screenshot shows the home page of the control panel. At the top, it says "Partner" and "LOGOUT" with a power icon. There is a "HOME" dropdown menu. Below this, there are two main sections: "Profile" and "Resources Summary".

Profile section includes:

- Login Name : demo
- Account Status : Active
- Last Login Date : 2010-12-30
- Currency : HKD
- Balance : 100.00

Resources Summary section includes:

- 4 Cloud Servers
- 4 Virtual Processors
- 40GB SASP-6 Volumes
- 1024MB Ram
- 4 IP Address
- 0GB SASP-M Volumes

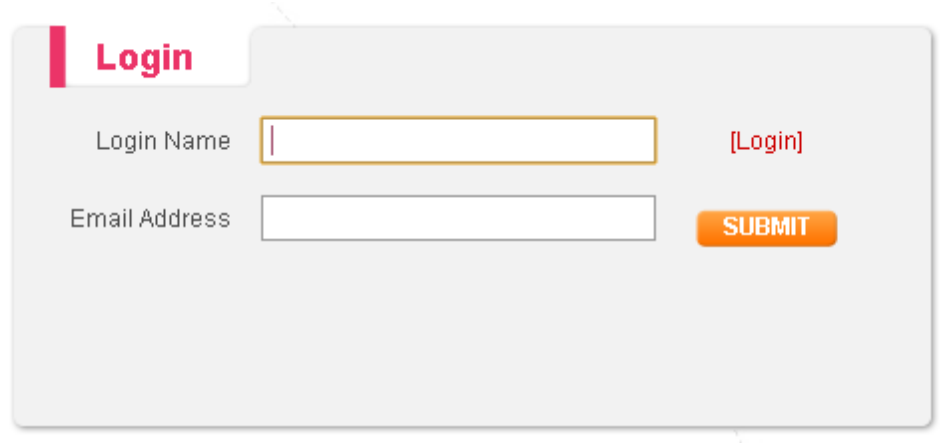
2. Getting Start (continued)



Forget Password

In case users forget their account password, forget password function is provided to email users for their account password.

- STEP 1** Click **“Forget Password”** in login page.
It will link to the forget password page.



- STEP 2** Input the login account and the registered email.

- STEP 3** Click **“SUBMIT”** button.
An email with the login password will send to the user's registered email.

3. Introduction To Cloud Server Management Panel

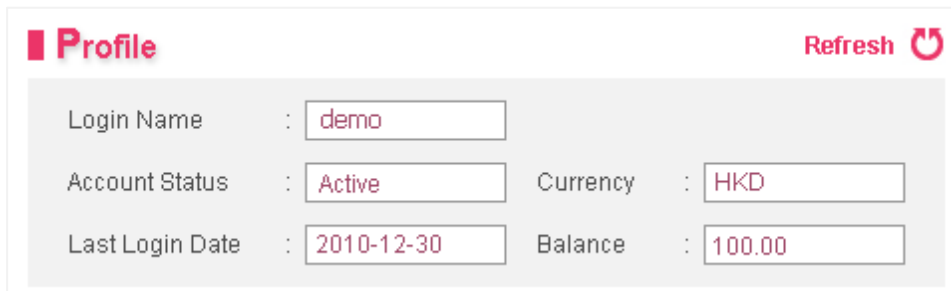
This chapter describes how to browse and control the subscribed resources.


Cloud Server Home

Cloud Server Home is the main page for cloud server management panel. After login or select home from the right slide menu, it will direct to this page. The home page is constructed by several parts, including **“Profile”**, **“Resources Summary”**, **“Cloud Servers”** and **“Cloud Server Information”**.

Profile

Profile shows the account related information, for example, account status and current balance, etc.



Profile		Refresh 	
Login Name	:	<input type="text" value="demo"/>	
Account Status	:	<input type="text" value="Active"/>	Currency : <input type="text" value="HKD"/>
Last Login Date	:	<input type="text" value="2010-12-30"/>	Balance : <input type="text" value="100.00"/>

Resources Summary

Resources Summary summarizes the current subscribed resources.

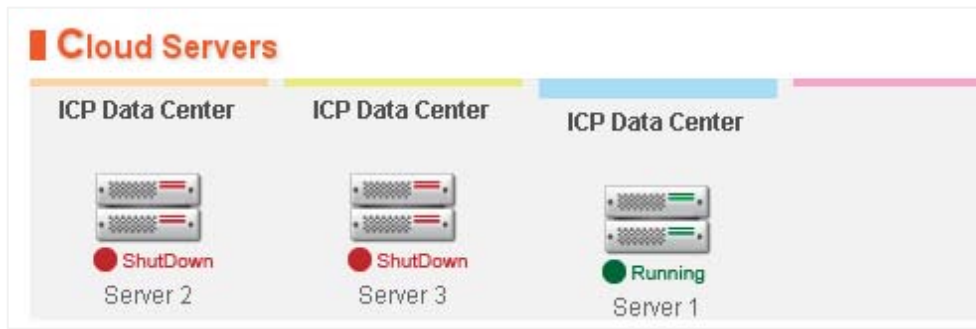


Resources Summary		Refresh 	
 4 Cloud Servers	 1024MB Ram		
 4 Virtual Processors	 4 IP Address		
 40GB SASP-6 Volumes	 0GB SASP-M Volumes		

3. Introduction To Cloud Server Management Panel (continued)

Cloud Servers

Cloud Server shows the number of current subscribed servers and the server status. For instance, if the cloud server have 3 server images (See below image), it means that there are 3 current subscribed servers while 2 of them are shutdown, one of them is running.



Cloud Server Information

Cloud Server Information lists the server details and subscribed resources information. Besides, it allows the cloud server and resources operations, for example, management of server actions, subscribed resources information update and resources removal.

Please note that only view / update / remove actions are available in this section. For resources subscription, please click "SUBSCRIBE" button next to menu tab. It will link to a subscribe page which the subscription procedures will be discussed in later chapter. *(Refer to Chapter6 - Cloud Server Subscriptions)*

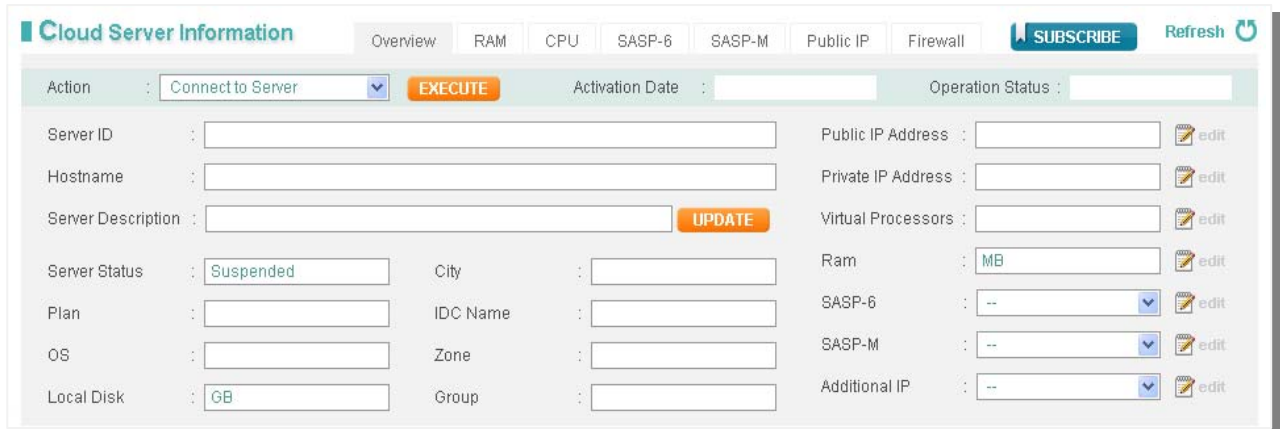
The cloud server information controlled 7 types of resources. Each menu tab in this part manages the corresponding resource. Kindly remind that a certain server should be selected before the subscribed details show - Select a server by clicking the server image in "Cloud Servers" section.



3. Introduction To Cloud Server Management Panel (continued)

Cloud Server Overview

Click the **“Overview”** tab can show the server details and perform server action after select a particular server.



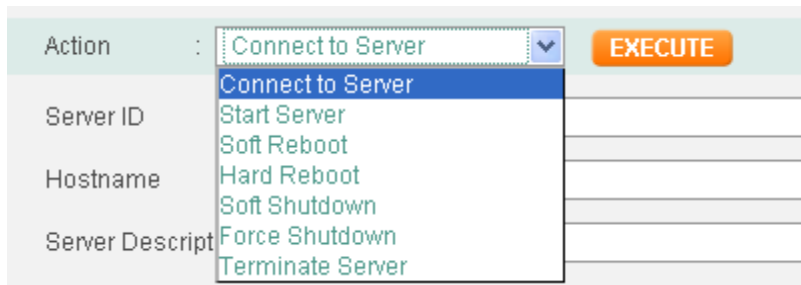
The screenshot shows the 'Cloud Server Information' panel with the 'Overview' tab selected. At the top, there are tabs for Overview, RAM, CPU, SASP-6, SASP-M, Public IP, and Firewall. A 'SUBSCRIBE' button and a 'Refresh' icon are also present. Below the tabs, there is an 'Action' dropdown menu set to 'Connect to Server' with an 'EXECUTE' button. The main area contains various server configuration fields:

- Server ID, Hostname, Server Description (with an 'UPDATE' button)
- Public IP Address, Private IP Address, Virtual Processors (each with an 'edit' icon)
- Server Status (Suspended), City, Ram (MB), SASP-6, SASP-M, Additional IP (each with an 'edit' icon)
- Plan, OS, Local Disk (GB), IDC Name, Zone, Group

Connect / Start / Reboot / Shutdown / Terminate Server

To perform an action for a server:

STEP 1 Select any menu tab, there is an “Action” combo box list.



This close-up shows the 'Action' dropdown menu open. The 'Action' label is followed by a dropdown menu currently showing 'Connect to Server'. To the right of the dropdown is an 'EXECUTE' button. The dropdown menu lists the following actions:

- Connect to Server
- Start Server
- Soft Reboot
- Hard Reboot
- Soft Shutdown
- Force Shutdown
- Terminate Server

3. Introduction To Cloud Server Management Panel (continued)

The list contains 7 options:

- Connect to Server : Browse the steps to connect to the server.
- Start Server : Power on a cloud server.
- Soft Reboot : Restart a cloud server under software control, without removing power.
- Hard Reboot : Restart the computer without first performing any shut down procedure.
- Soft Shutdown : Turn off the cloud server under software control.
- Force Shutdown : Compulsory turn off the computer without any shut down procedure.
- Terminate Server : Turn off the cloud server. Terminate will stop the subscription of server.

STEP 2 Select an option in “Action”.

STEP 3 Click “**EXECUTE**” button and confirm an action.
After a while, click “**Refresh**” button in “**Cloud Server**” and “**Cloud Server Information**” section and select the server again, the server image and operation status will change to “**Running**”.

Update Cloud Server Description

Server description can change freely. To change the server description:

STEP 1 Select “**Overview**” tab. It will link to overview page.

STEP 2 Input the new server description in “**Server Description**”.

Server Description :	<input type="text" value="New Server A"/>	<input type="button" value="UPDATE"/>
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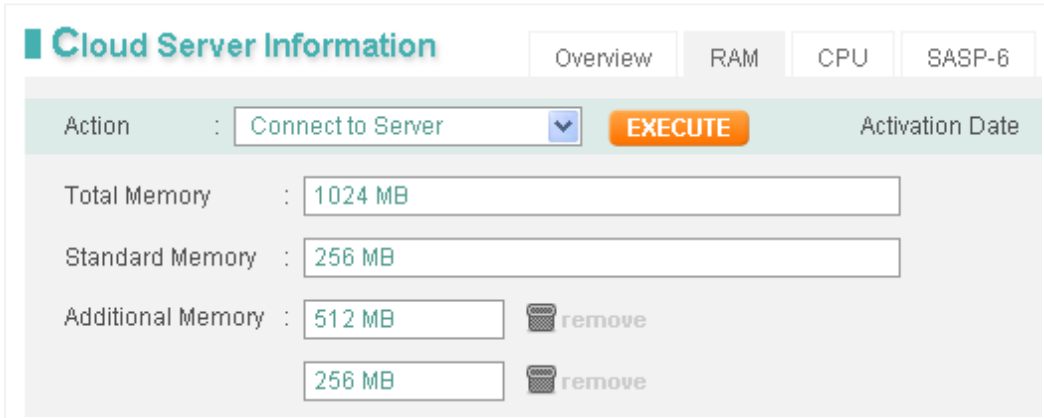
STEP 3 Click “**UPDATE**” button and confirm an action.
After a while, click “**Refresh**” button in “**Cloud Server**” and “**Cloud Server Information**” section and select the server again, the server description will be updated.

3. Introduction To Cloud Server Management Panel (continued)

RAM

Click “RAM” tab can enter the ram browsing page.

It shows memory subscription and allows the removal of additional ram for the selected server.



The screenshot shows the 'Cloud Server Information' panel with the 'RAM' tab selected. The panel includes a dropdown menu for 'Action' set to 'Connect to Server' and an 'EXECUTE' button. Below this, there are input fields for 'Total Memory' (1024 MB), 'Standard Memory' (256 MB), and 'Additional Memory' (512 MB). There are also two 'remove' buttons next to the additional memory entries.

Terms use in page:

Total Memory : Total memory size for server.

Standard Memory : Original memory size for server subscribed plan.

Additional Memory : Extra memory size attached to server.

Remove RAM

Additional memory can be removed if the memory is no longer need.

To remove an additional ram:

STEP 1 Click “**remove**” button next to the additional memory record.

STEP 2 Confirm an action.

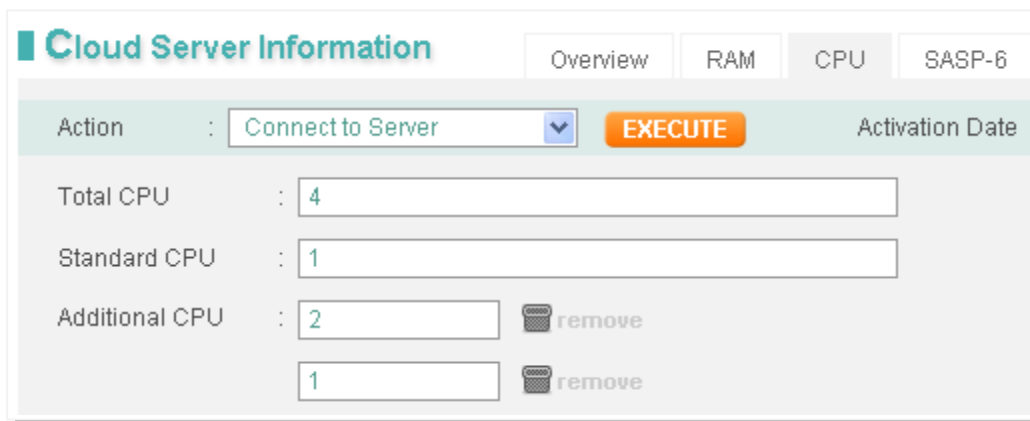
If action success, the additional memory record will be deleted.

3. Introduction To Cloud Server Management Panel (continued)

CPU

Click **“CPU”** tab can enter the CPU browsing page.

It shows CPU subscription and allows the removal of additional CPU for the selected server.



The screenshot shows the 'Cloud Server Information' panel with tabs for Overview, RAM, CPU, and SASP-6. The CPU tab is active. At the top, there is an 'Action' dropdown menu set to 'Connect to Server' and an orange 'EXECUTE' button. Below this, there are input fields for 'Total CPU' (value 4), 'Standard CPU' (value 1), and 'Additional CPU'. The 'Additional CPU' section contains two rows, each with an input field (values 2 and 1) and a 'remove' button with a trash icon.

Terms use in page:

- Total CPU : Total CPU number for server.
- Standard CPU : Original CPU number for server subscribed plan.
- Additional CPU : Extra CPU number attached to server.

Remove CPU

Additional CPU can be removed if the CPU is no longer need.

To remove an additional CPU:

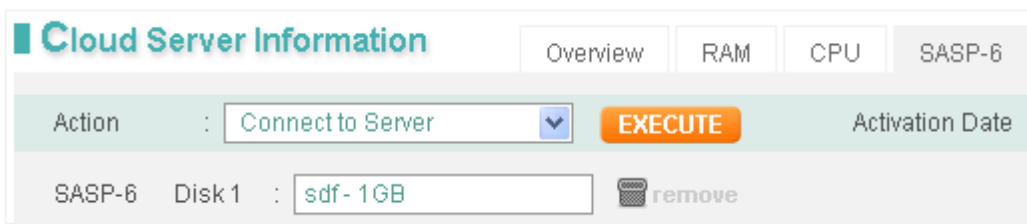
- STEP 1** Click **“remove”** button next to the additional CPU record.
- STEP 2** Confirm an action.
If action success, the additional CPU record will be deleted.

3. Introduction To Cloud Server Management Panel (continued)

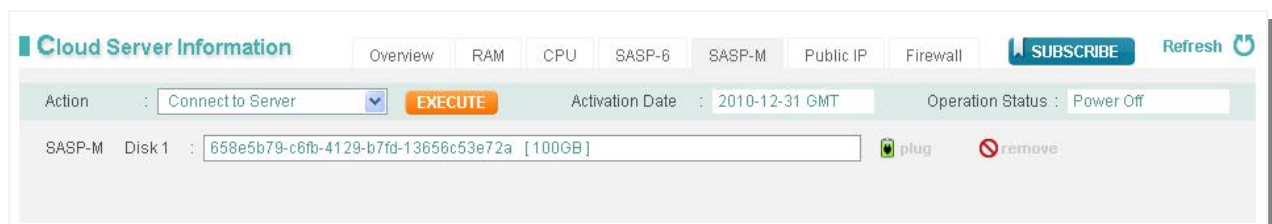
SASP-6 / SASP-M

Click “**SASP-6/ SASP-M** ” tab can enter the disk browsing page. It shows disk subscription and allows the removal of additional disk for the selected server.

Both “**SASP-6**” and “**SASP-M**” are disks. The difference between them is that when a SASP-M subscribed, the disk will be available for all servers in IDC while SASP-6 disk will only available to the attached server.



Plug SASP-M



After subscribe a SASP-M, it's defaulted to share with all servers in IDC. Therefore, a function is provided so that a SASP-M can attach to a particular server.

To attach a SASP-M disk to server:

- STEP 1** Select “**SASP-M**” tab. It will link to SASP-M page.
- STEP 2** Click “**plug**” button next to the SASP-M record. The maximum size of SASP-6 / SASP-M for a server is 8GB.
- STEP 3** Confirm an action.
If action success, the SASP-M is attached to the server.
The “**plug**” button will change to “unplug” and removal of SASP-M is not allow in this state.

3. Introduction To Cloud Server Management Panel (continued)

Unplug SASP-M

SASP-M can be unplugged if the disk is no longer need to attach to a particular server. The detached SASP-M will be available to all servers after unplugged.

To unplug a SASP-M:

STEP 1 Select “**SASP-M**” tab. It will link to SASP-M page.

STEP 2 Click “**unplug**” button next to the SASP-M record.

STEP3 Confirm an action.

If action success, the SASP-M is detached from the server.

The “**unplug**” button will change to “**plug**” and removal of SASP-M permits in this state.

Remove SASP-6 / SASP-M

Additional disk can be removed if the disk is no longer need.

To remove an additional SASP-6 / SASP-M:

STEP 1 Select “**SASP-6 / SASP-M**” tab. It will link to the corresponding page.

STEP 2 Click “**remove**” button next to the disk record.
SASP-M can be removed only if the disk is unplug.

STEP 3 Confirm an action.

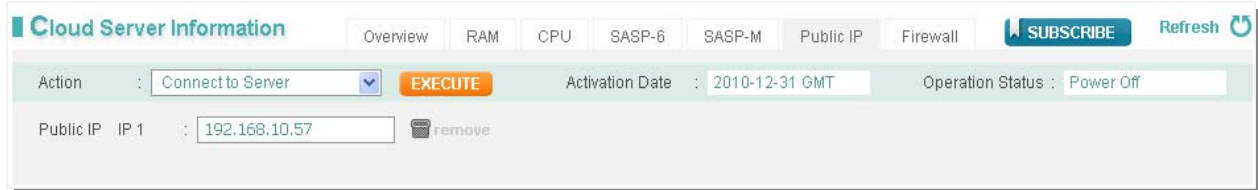
If action success, the additional disk will be deleted.

3. Introduction To Cloud Server Management Panel (continued)

Public IP

Click **“Public IP”** tab can enter the IP browsing page.

It shows public IP subscription and allows the removal of additional IP for the selected server.



Cloud Server Information	
Action	Public IP
Connect to Server	192.168.10.57

Remove Public IP

Additional public IP can be removed if the IP is no longer need.

To remove an additional public IP:

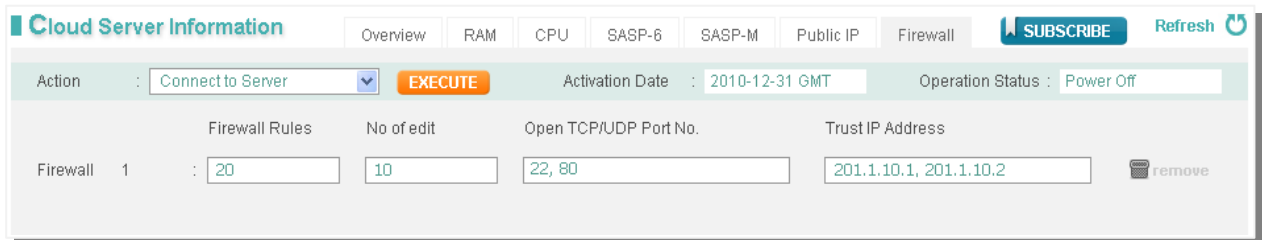
- STEP 1** Click “remove” button next to the IP record.
- STEP 2** Confirm an action.
If action success, the additional IP will be deleted.

3. Introduction To Cloud Server Management Panel (continued)

Firewall

Click **“Firewall”** tab can enter the firewall browsing page.

It shows firewall subscription and allows the removal of firewall for the selected server.



Firewall	Firewall Rules	No of edit	Open TCP/UDP Port No.	Trust IP Address	
1	20	10	22, 80	201.1.10.1, 201.1.10.2	remove

Terms use in page:

- Firewall Rules : Number of rules for a firewall.
- No of edit : Times for edit the firewall rules.
- Open TCP/ UDP Port No. : Port number that can pass the firewall.
- Trust IP Address : IP Address that can pass the firewall.

Remove Firewall

Additional firewall can be removed if the firewall is no longer need.

To remove a firewall,

STEP 1 Click **“remove”** button next to the firewall record.

STEP 2 Confirm an action.

If action success, the firewall will be deleted.

4. Account Preference

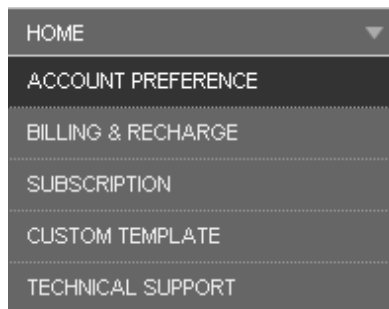
This chapter describes how to browse and update the account settings.

Account Preference Control Panel

Account Preference Control Panel is the page for account management.

Mouse over the right top menu, menu will slide down.

Select **“ACCOUNT PREFERENCE”** to enter this page.



ICP Company Ltd
LOGOUT
HOME

My Account

Login Name : <input type="text" value="demo"/>	Last Login Date : <input type="text" value="2011-01-03"/>
Account Status : <input type="text" value="Active"/>	Login Count : <input type="text" value="8"/>
Join Date : <input type="text" value="2010-12-28"/>	Payment Mode : <input type="text" value="Daily Settlement"/>
Suspension Date : <input type="text" value="--"/>	Currency : <input type="text" value="Hong Kong Dollars"/>
Access ID : <input type="text" value="UNAAaXUGWueKyY34euSOASyEuqqKcf"/>	Balance : <input type="text" value="\$155.76"/>
Secret Access Key : <input type="text" value="QQkR50IVswao5e9cUbPKKecyAfKc7cL75aCV7OwL"/>	

Personal Information Save

Account Type : <input type="text" value="Personal Account"/>	
First Name : <input type="text" value="Demo"/>	Last Name : <input type="text" value="1"/>
Display Name : <input type="text" value="Demo"/>	
Email Address : <input type="text" value="demo@gmail.com"/>	
Country : <input type="text" value="Hong Kong"/>	

Preference Save

Email Language : <input type="text" value="ENGLISH"/>
Default Recharge Amt (\$) : <input type="text" value="10.00"/>
Replenish Alert (%) : <input type="text" value="20.00"/>
Replenish Alert Amt (\$) : <input type="text" value="5.00"/>

Change Password Save

Old Password : <input type="text"/>
New Password : <input type="text"/>
Re-enter Password : <input type="text"/>

This account page is constructed by several parts, including **“My Account”** , **“Personal Information”** , **“Preference”** and **“Change Password”** .

4. Account Preference (continued)

My Account


My Account shows the account details, for example, account status, key and balance.

My Account

Login Name : <input type="text" value="demo"/>	Last Login Date : <input type="text" value="2011-01-03"/>
Account Status : <input type="text" value="Active"/>	Login Count : <input type="text" value="8"/>
Join Date : <input type="text" value="2010-12-28"/>	Payment Mode : <input type="text" value="Daily Settlement"/>
Suspension Date : <input type="text" value="--"/>	Currency : <input type="text" value="Hong Kong Dollars"/>
Access ID : <input type="text" value="UNAAalXuGWueKyY34euSOASyEuqqKcf"/>	Balance : <input type="text" value="\$155.76"/>
Secret Access Key : <input type="text" value="QQkR50IVswao5e9cUbPKKecyAfKc7cL75aCV7OwL"/>	

Personal Information

Personal Information shows the account user name and registered email.

Personal Information Save 

Account Type : <input type="text" value="Personal Account"/>	
First Name : <input type="text" value="Demo"/>	Last Name : <input type="text" value="1"/>
Display Name : <input type="text" value="Demo"/>	
Email Address : <input type="text" value="demo@gmail.com"/>	
Country : <input type="text" value="Hong Kong"/>	

Preference

Preference displays the email language display and replenish alert setting.

Preference Save 

Email Language : <input type="text" value="ENGLISH"/>	
Default Recharge Amt (\$) : <input type="text" value="10.00"/>	
Replenish Alert (%) : <input type="text" value="20.00"/>	
Replenish Alert Amt (\$) : <input type="text" value="5.00"/>	

4. Account Preference (continued)

Change Password

Change Password allows to update the account password.



The screenshot shows a web form titled "Change Password". It contains three input fields: "Old Password", "New Password", and "Re-enter Password". Each field is preceded by a colon. To the right of the fields is a "Save" button with a floppy disk icon.

Update Account Information / Change Password

In an attempt to update account information or change password,

- STEP 1** For account update, enter the update data in the corresponding fields directly.
For change password, enter the old and new password in **"Change Password"** section.
- STEP 2** Click **"Save"** button in that sections and confirm the action.
*(Please note that if both personal information and preference require update, users need to click the **"SAVE"** button in both sections)*
If update success, success message alert will display on screen.

5. Billing & Recharge

This chapter describes how to browse the billing records, recharge history and perform recharge action.

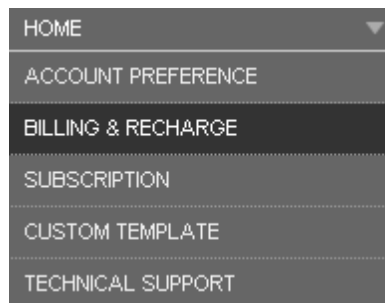
Billing and Recharge Control Panel

Billing and Recharge Control Panel is the page for billing and recharge handling.

Mouse over the right top menu, menu will slide down.

Select **"BILLING & RECHARGE"** to enter this page.

This billing and recharge page is divided into 5 parts, named **"My Billing"** , **"Recharge History"** , **"Billing Report"** , **"Recharge By Bank Transfer"** and **"Recharge by Paypal"**.



ICP Company Ltd
LOGOUT
HOME

My Billing

Login Name : <input type="text" value="demo"/>	Payment Mode : <input type="text" value="Daily Settlement"/>
Account Status : <input type="text" value="Active"/>	Currency : <input type="text" value="Hong Kong Dollars"/>
Suspension Date : <input type="text" value="--"/>	Account Balance (\$) : <input type="text" value="305.76"/>

Recharge History

View

Start From : <input type="text" value="2011"/> <input type="text" value="01"/> <input type="text" value="01"/>	
To : <input type="text" value="2011"/> <input type="text" value="01"/> <input type="text" value="03"/> <input type="button" value="ENQUIRY"/>	

Billing Report

View

Billing Period From : <input type="text" value="2011"/> <input type="text" value="01"/> <input type="text" value="01"/>	
To : <input type="text" value="2011"/> <input type="text" value="01"/> <input type="text" value="03"/> <input type="button" value="ENQUIRY"/>	

Recharge by Bank Transfer

1. Bank in the recharge amount. Our company bank account as the follow:

Company Name : ICP Company Ltd
 Bank Name : Hang Seng Bank
 Bank Code : 024
 Bank Address : ICP Company Address
 Account No. : 201-234567-890

2. Send the receipt of deposit and your Aspen Cloud Server account directly or by fax to our office:

ICP Company Ltd
 Address : ICP Company Address
 Tel.No. : (852) 2123-4567
 Fax : (852) 2987-6543
 E-Mail : aspen-supports@icpltd.com

3. We will process after receive as soon as possible within 2 working days.
 We will send a notification through e-mail after completed.

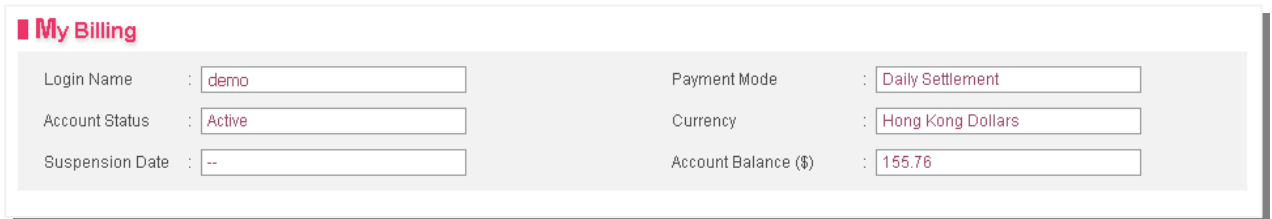
Recharge by Paypal

Account Balance (\$) : <input type="text" value="305.76"/>	
Unbill Amount (\$) : <input type="text" value="-1.01"/>	
Recharge Amount (\$) : <input type="text" value="10.00"/> (Min. Recharge: HKD \$ 50.00)	
Balance After Charged (\$) : <input type="text" value="315.76"/>	<input type="button" value="Pay Now"/>

5. Billing & Recharge (continued)

My Billing

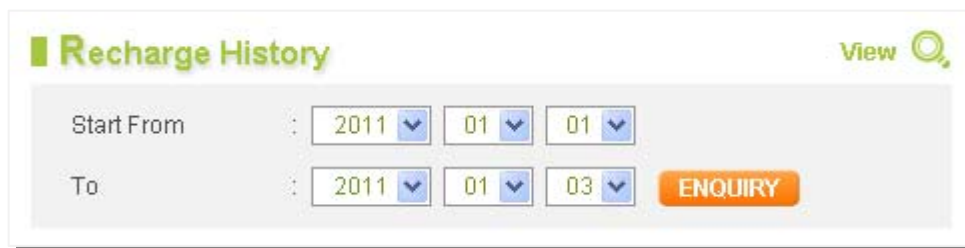
My Billing shows the payment mode and current balance.



My Billing	
Login Name	: demo
Account Status	: Active
Suspension Date	: --
Payment Mode	: Daily Settlement
Currency	: Hong Kong Dollars
Account Balance (\$)	: 155.76

Recharge History

Recharge History is a section to allow users to perform recharge history enquiry.



Recharge History [View](#)

Start From : 2011 01 01

To : 2011 01 03 **ENQUIRY**

If users want to browse all recharge records:

- STEP 1** Click “**View**” button in “**Recharge History**” section.
It will link to recharge history page.

If users want to restrict date for recharge:

- STEP 1** Select the recharge period.
- STEP 2** Click “**ENQUIRY**” button. It will link to recharge history page showing the recharge records within the selected period.

5. Billing & Recharge (continued)
Recharge History Page

In recharge history page, it lists all recharge records including the recharge item and amount.

Select recharge period and click **“SHOW”** button can perform another recharge enquiry.

ICP Company Ltd
LOGOUT
HOME

Recharge History Back

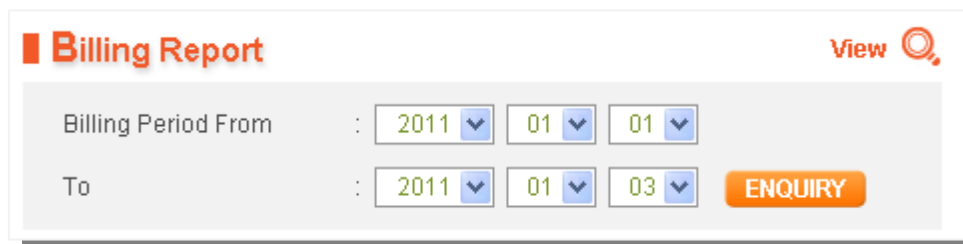
Login Name	: <input type="text" value="letitia"/>	Currency	: <input type="text" value="Hong Kong Dollars"/>
Account Status	: <input type="text" value="Active"/>	Account Balance	: <input type="text" value="305.76"/>
Payment Mode	: <input type="text" value="Daily Settlement"/>	Unpaid Amount	: <input type="text" value="-1.01"/>
Recharge Period From	: <input type="text" value="2010"/> <input type="text" value="01"/> <input type="text" value="01"/>	To	: <input type="text" value="2011"/> <input type="text" value="01"/> <input type="text" value="03"/> SHOW

Txn Date (UTC)	Txn Item	Paypal Txn ID	Amount (HKD \$)
2010-12-28 03:59:15	Recharge for internal testing	--	200.00
2011-01-03 03:47:16	Recharged By Bank Transfer	--	100.00
2011-01-03 03:48:02	Recharge By Paypal	P01234567	50.00
Total			350.00

5. Billing & Recharge (continued)

Billing Report

Billing Report is a section to allow users to perform billing enquiry for subscribed resources.



The screenshot shows a web interface for the Billing Report section. It features a title "Billing Report" in orange text on the left and a "View" button with a magnifying glass icon on the right. Below the title, there are two rows of date selection fields. The first row is labeled "Billing Period From" and contains three dropdown menus for year, month, and day, with values 2011, 01, and 01 respectively. The second row is labeled "To" and contains three dropdown menus for year, month, and day, with values 2011, 01, and 03 respectively. To the right of these fields is an orange button labeled "ENQUIRY".

If users want to browse all billing payments:

STEP 1 Click “**View**” button in “**Billing Report**” section. It will link to billing report page.

If users want to restrict date for billing:

STEP 2 Select the billing period.

STEP 3 Click “**ENQUIRY**” button. It will link to billing report page that it shows the billing payments for subscribed resources within the selected period.

5. Billing & Recharge (continued)
Billing Report Page

In billing report page, it shows the **“Billing History”** and the **“Unbill Items”**.

Every day, the central billing system deducts the daily usage from account balance. For those payment that are charged, it will list in **“Billing History”**; otherwise, it will list in **“Unbill Items”**.

Click **[+] Bill Payment** in **“Txn Item”**, it will show the payment details for subscribed resources.

Billing History
Back

Login Name :

Account Status :

Payment Mode :

Billing Period From :

Currency :

Account Balance :

Unpaid Amount :

To : SHOW

Txn Date (UTC)	Txn Item	UUID	Amount (HKD \$)
2011-01-01	[-] Bill Payment		-2.52
	+ Plan A - 1 V.CPU, 256MB RAM, 10GB Storage	a3cdb2a1-3649-45fa-8510-6960c166c26a	-1.01
	+ 100GB SASP-M Storage		-1.51
2011-01-02	[+] Bill Payment		-2.52
Total			-5.04

Unbill Items

Txn Item	UUID	Amount (HKD \$)
1 Plan A - 1 V.CPU, 256MB RAM, 10GB Storage	a3cdb2a1-3649-45fa-8510-6960c166c26a	-1.01
Total		-1.01

5. Billing & Recharge (continued)

Recharge by Bank Transfer

User account can be recharged by bank or PayPal. This section shows the bank recharge instruction.

■ Recharge by Bank Transfer

1. Bank in the recharge amount. Our company bank account as the follow:

Company Name : ICP Company Ltd
Bank Name : Hang Seng Bank
Bank Code : 024
Bank Address : ICP Company Address
Account No. : 201-234567-890

2. Send the receipt of deposit and your Aspen Cloud Server account directly or by fax to our office:





ICP Company Ltd
Address : ICP Company Address
Tel.No. : (852) 2123-4567
Fax : (852) 2987-6543
E-Mail : aspen-supports@icpltd.com

3. We will process after receive as soon as possible within 2 working days.
We will send a notification through e-mail after completed.

Recharge By PayPal

Apart from bank recharge, PayPal recharge is accepted. This section shows the PayPal recharge option.

■ Recharge by Paypal


Account Balance (\$)	:	<input type="text" value="305.76"/>	
Unbill Amount (\$)	:	<input type="text" value="-1.01"/>	
Recharge Amount (\$)	:	<input type="text" value="100.00"/>	(Min. Recharge: HKD \$ 50.00)
Balance After Charged (\$)	:	<input type="text" value="405.76"/>	Pay Now    

5. Billing & Recharge (continued)

To recharge account by PayPal:

- STEP 1** Enter the “**Recharge Amount**”. Minimum recharge account is **HKD \$50.00**.
- STEP 2** Click “**Pay Now**” button and confirm the recharge action.
It will link to PayPal account log in page.
- STEP 3** Confirm the recharge Item and log in the PayPal.




Description	Unit Price	Quantity	Amount
My ICP Cloud Server - Login Name : demo	\$100.00	1	\$100.00
			Item total: \$100.00
			Total: \$100.00 HKD

Pay with Credit Card or Log In 

[Learn more about PayPal - the safer, easier way to pay.](#)
Enter your billing information

Country:

Credit Card Number:

Payment Type:   

Expiration Date: / CSC: [What's this?](#)

Surname:

Given Name:

Billing Address Line 1:

Billing Address Line 2: (optional)

Home Telephone: (+852)

Email:

Already have a PayPal account?

Please log in

Email:

Password:

[Forgot email address](#) or [password?](#)

- STEP 4** Click “**Pay Now**” button. After recharge, it will link back to the panel and success message alert will be shown.

6. Cloud Server Subscriptions

This chapter describes how to subscribe new servers and additional resources.

Cloud Server Subscriptions Control Panel

Cloud Server Subscription Control Panel is the page for new subscriptions.

Mouse over the right top menu, menu will slide down. Select “SUBSCRIPTION” to enter this page.

This subscription page is divided into 3 parts, named “**Profile**”, “**Resources Summary**” and “**Cloud Server Subscription**”.



ICP Company Ltd
LOGOUT
HOME

Profile Refresh

Login Name :

Account Status : Currency :

Last Login Date : Balance :

Resources Summary Refresh

1 Cloud Servers

1 Virtual Processors

10GB SASP-6 Volumes

256MB Ram

1 IP Address

0GB SASP-M Volumes

Cloud Server Subscription

Cloud Server	Ram	CPU	SASP-6	SASP-M	Public IP	Firewall	
City : <input type="text" value="--"/>	Standard Template : <input type="text" value="--"/>	IDC : <input type="text" value="--"/>	IDC Template : <input type="text" value="--"/>	Zone * : <input type="text" value="--"/>	In Stock? : <input type="text"/>	Plan : <input type="text" value="--"/>	Server Description : <input type="text" value="Suggest less than 18 characters for better display."/>

* Servers are residing in different zones. If zone is selected, system will look for available server in selected zone only. Otherwise, the new server will be selected from all zones.

Cloud Server Plan	No. of CPU	RAM (in MB)	Hard Disk (in GB)	Price Per Day (in HKD \$)

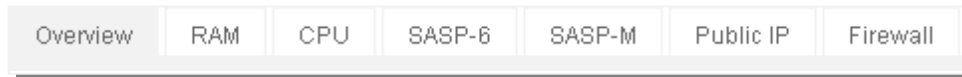
[CHECK OUT NOW](#)

“**Profile**” and “**Resources Summary**” is the same as “**Cloud Server Home**”. For more detail, please refer to **Chapter3: Introduction to Cloud Server Management Panel**.

6. Cloud Server Subscriptions (continued)

Cloud Server Subscription

Cloud Server subscription allows users to subscribe servers and extra resources.



7 different types of resources are available for subscription. In this part, each tab menu controlled the corresponding resources subscription.

This section only provides resources subscribed functions. For current subscribed resources browsing, please refer to ***“Cloud Server Information” in Chapter 3.***

6. Cloud Server Subscriptions (continued)

Add Cloud Server

Click **“Cloud Server”** tab can enter the cloud server subscription page.

To add cloud server:

Cloud Server Subscription

Cloud Server
Ram
CPU
SASP-6
SASP-M
Public IP
Firewall

City :

IDC :

Zone * :

Plan :

Standard Template :

IDC Template :

In Stock? :

Server Description :

* Servers are residing in different zones. If zone is selected, system will look for available server in selected zone only. Otherwise, the new server will be selected from all zones.

Cloud Server Plan	No. of CPU	RAM (in MB)	Hard Disk (in GB)	Price Per Day (in HKD \$)

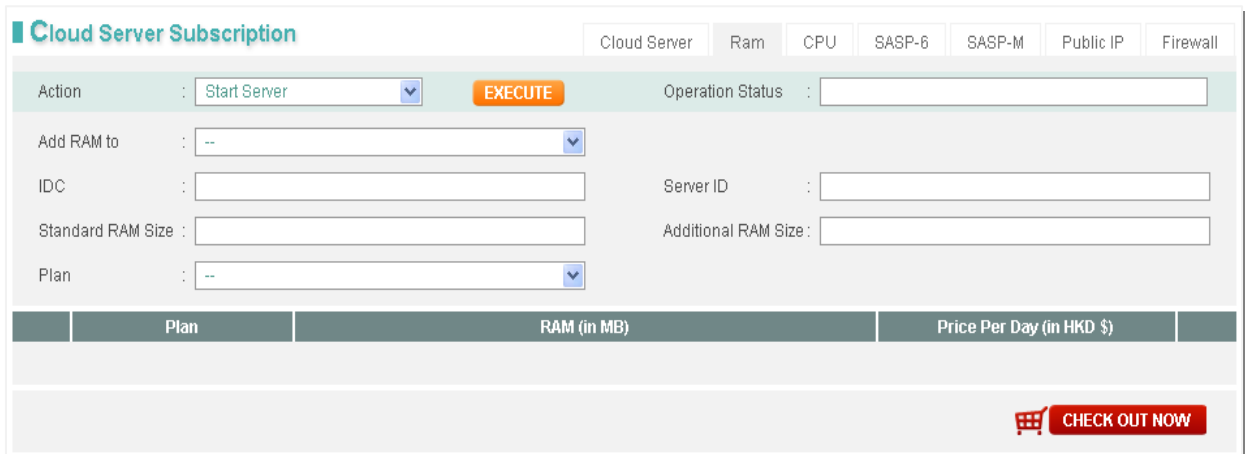
CHECK OUT NOW

- STEP 1** Select **“City”**, **“IDC”** and **“Standard Template”** / **“IDC Template”** in order. Servers are residing in different zones. Select **“Zone”** if the newly added server needs to reside in particular zone. Otherwise, the new server will be selected from all zones. After user's selection, server plans will be shown.
- STEP 2** Select **“Plan”**.
- STEP 3** Enter **“Server Description”**. Suggest less than 18 characters for better display.
- STEP 4** Click **“CHECK OUT NOW”** and confirm the subscription. If subscription success, success message alert will display on screen.
- STEP 5** Select **“HOME”** from right top slide menu. Check records in **“Cloud Servers”** section to see if the server is subscribed.

6. Cloud Server Subscriptions (continued)

Add Ram

Click **"Ram"** tab can enter the ram subscription page.



Cloud Server Subscription

Cloud Server | **Ram** | CPU | SASP-6 | SASP-M | Public IP | Firewall

Action : Start Server Operation Status :

Add RAM to : --

IDC : Server ID :

Standard RAM Size : Additional RAM Size :

Plan : --

Plan	RAM (in MB)	Price Per Day (in HKD \$)

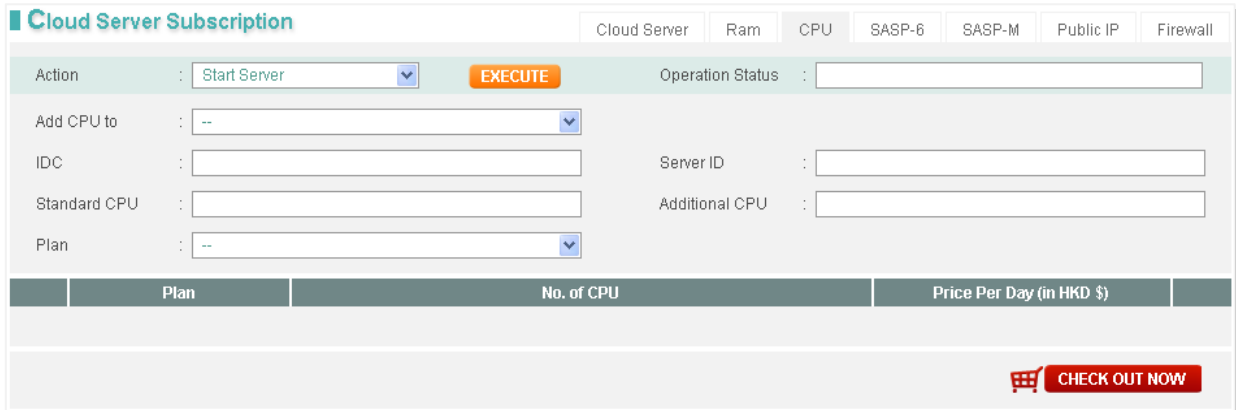
To add ram:


- STEP 1** Select the server which the ram would like to add in **"Add RAM to"**. The related server information and ram plans will be shown.
- STEP 2** Ram can only be added if the server is shutdown. Check if the server's operation status is **"Power Off"**. If not, shutdown the server.
- STEP 3** Select **"Plan"**. The maximum size of ram for a server is 8GB.
- STEP 4** Click **"CHECK OUT NOW"** and confirm the subscription. If subscription success, success message alert will display on screen.
- STEP 5** Select **"HOME"** from right top slide menu. Select the resources attached server in **"Cloud Servers"**. Click **"RAM"** tab in **"Cloud Server Information"** section to see if the additional ram is attached.

6. Cloud Server Subscriptions (continued)

Add CPU

Click “CPU” tab can enter the CPU subscription page.



Plan	No. of CPU	Price Per Day (in HKD \$)
		

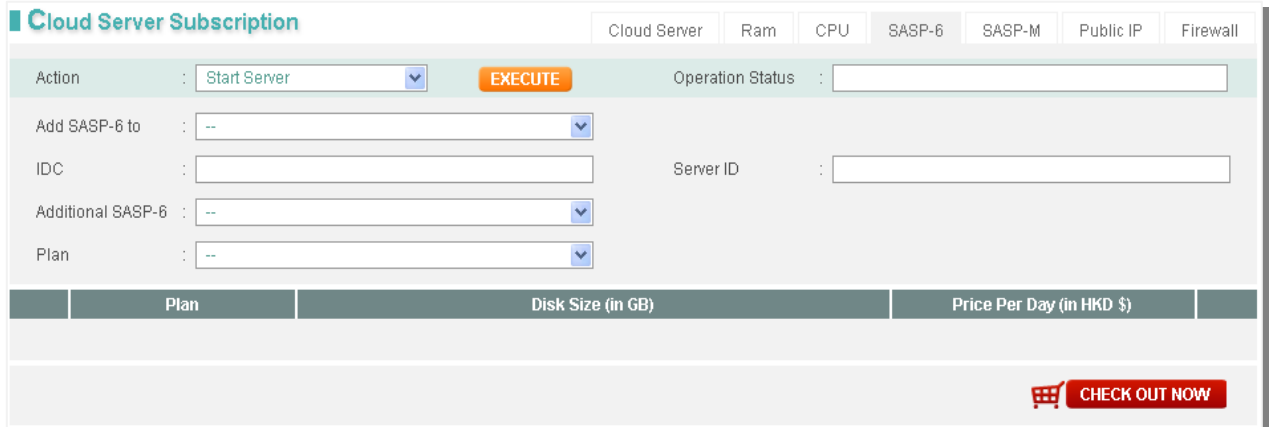
To add CPU:

- STEP 1** Select the server which the CPU would like to add in “Add CPU to”. The related server information and CPU plans will be shown.
- STEP 2** CPU can only be added if the server is shutdown. Check if the server's operation status is “Power Off”. If not, shutdown the server.
- STEP 3** Select “Plan”. The maximum number of CPU for a server is 4.
- STEP 4** Click “CHECK OUT NOW” and confirm the subscription. If subscription success, success message alert will display on screen.
- STEP 5** Select “HOME” from right top slide menu. Select the resources attached server in “Cloud Servers”. Click “CPU” tab in “Cloud Server Information” section to see if the additional CPU is attached.

6. Cloud Server Subscriptions (continued)

Add SASP-6

Click **"SASP-6"** tab can enter the SASP-6 subscription page.



The screenshot shows the 'Cloud Server Subscription' interface. At the top, there are tabs for 'Cloud Server', 'Ram', 'CPU', 'SASP-6', 'SASP-M', 'Public IP', and 'Firewall'. The 'SASP-6' tab is active. Below the tabs, there are several form fields and buttons:

- Action:** A dropdown menu set to 'Start Server' and an orange 'EXECUTE' button.
- Operation Status:** A text input field.
- Add SASP-6 to:** A dropdown menu.
- IDC:** A text input field.
- Server ID:** A text input field.
- Additional SASP-6:** A dropdown menu.
- Plan:** A dropdown menu.

Below the form fields, there is a table with the following columns:

Plan	Disk Size (in GB)	Price Per Day (in HKD \$)

At the bottom right of the interface, there is a red button with a shopping cart icon and the text 'CHECK OUT NOW'.

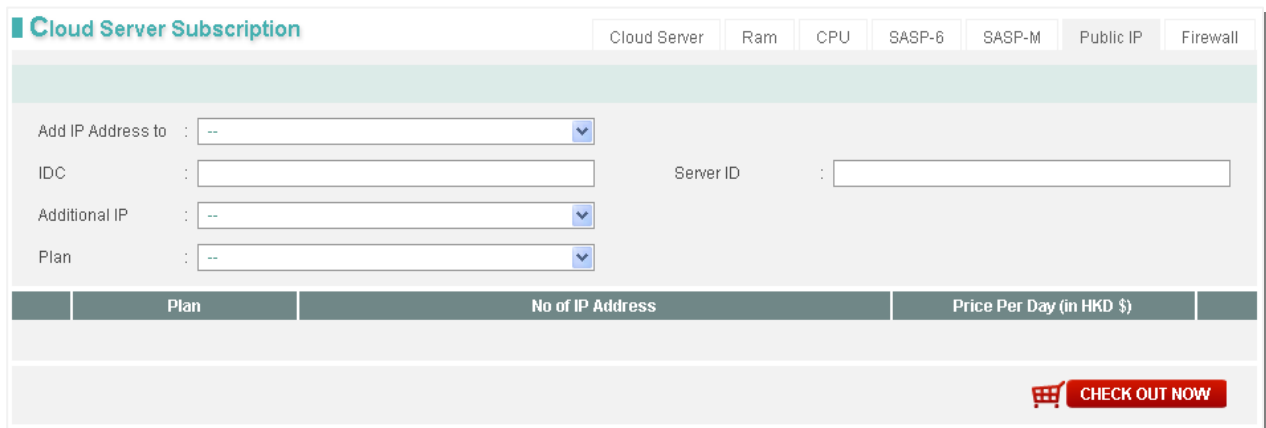
To add SASP-6:

- STEP 1** Select the server which the SASP-6 would like to add in **"Add SASP-6 to"**. The related server information and SASP-6 plans will be shown.
- STEP 2** SASP-6 can only be added if the server is shutdown. Check if the server's operation status is **"Power Off"**. If not, shutdown the server.
- STEP 3** Select **"Plan"**. The maximum size of SASP-6 / SASP-M for a server is 8GB.
- STEP 4** Click **"CHECK OUT NOW"** and confirm the subscription. If subscription success, success message alert will display on screen.
- STEP 5** Select **"HOME"** from right top slide menu. Select the resources attached server in **"Cloud Servers"**. Click **"SASP-6"** tab in **"Cloud Server Information"** section to see if the additional SASP-6 is attached.

6. Cloud Server Subscriptions (continued)

Add SASP-M

Click **"SASP-M"** tab can enter the SASP-M subscription page.



To add SASP-M:

- STEP 1** Select **"City"** and **"IDC"** in order.
SASP-M plans will be shown.
- STEP 2** Select **"Plan"**.
- STEP 3** Click **"CHECK OUT NOW"** and confirm the subscription.
If subscription success, success message alert will display on screen.
- STEP 4** Select **"HOME"** from right top slide menu.
Click **"SASP-M"** tab in **"Cloud Server Information"** section to see if the additional SASP-M is added.
In default, after the subscription of SASP-M, the SASP-M will be available for all servers in IDC.
Plug the SASP-M disk to a certain server if needs.
To plug a SASP-M to a server, please follow the procedures **"Plug SASP-M"** in Chapter3.

6. Cloud Server Subscriptions (continued)

Add Public IP

Click **“Public IP”** tab can enter the public IP subscription page.

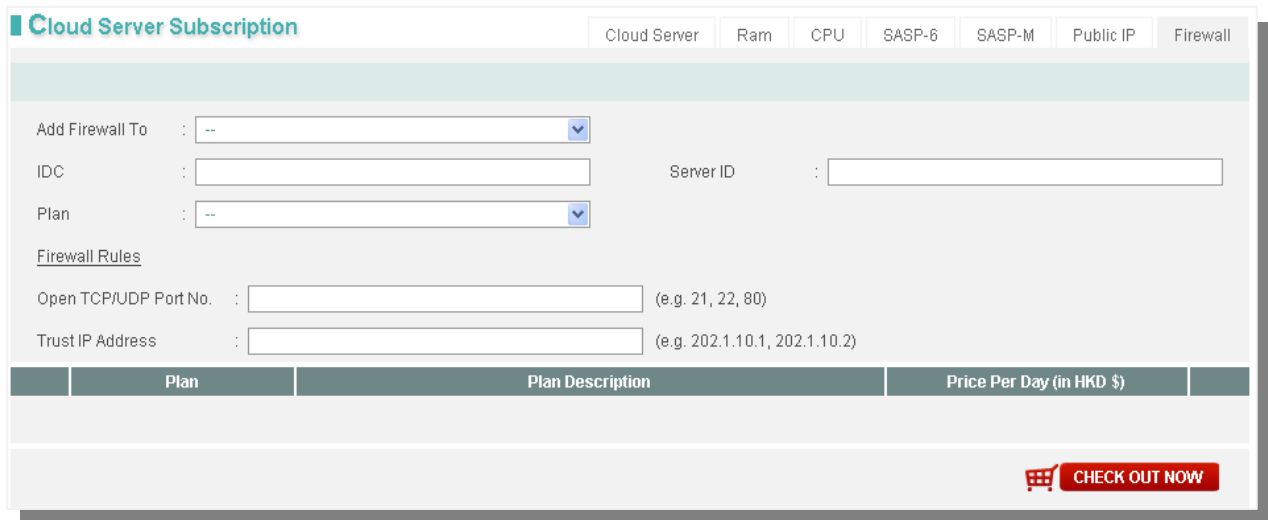
To add public IP:

- STEP 1** Select server which the public IP would like to add in **“Add IP Address to”**
The related server information and IP plans will be shown.
- STEP 2** Select **“Plan”**.
- STEP 3** Click **“CHECK OUT NOW”** and confirm the subscription.
If subscription success, success message alert will display on screen.
The IP subscriptions may take 2-3 days to proceed. Users will receive a notification email upon completion.

6. Cloud Server Subscriptions (continued)

Add Firewall

Click **“Firewall”** tab can enter the firewall subscription page.



Cloud Server Subscription | Cloud Server | Ram | CPU | SASP-6 | SASP-M | Public IP | Firewall

Add Firewall To :

IDC : Server ID :


Plan :

Firewall Rules

Open TCP/UDP Port No. : (e.g. 21, 22, 80)

Trust IP Address : (e.g. 202.1.10.1, 202.1.10.2)

Plan	Plan Description	Price Per Day (in HKD \$)

 **CHECK OUT NOW**

To add firewall:

- STEP 1** Select the server which the firewall would like to add in **“Add Firewall to”**. The related server information and firewall plans will be shown.
- STEP 2** Select **“Plan”**.
- STEP 3** Input **“Open TCP / UDP Port No”** - Port number that can pass the firewall.
Input **“Trust IP Address”** - IP Address that can pass the firewall.
- STEP 4** Click **“CHECK OUT NOW”** and confirm the subscription.
If subscription success, success message alert will display on screen.
The firewall subscriptions may take 2-3 days to proceed. Users will receive a notification email upon completion.

7. Custom Template

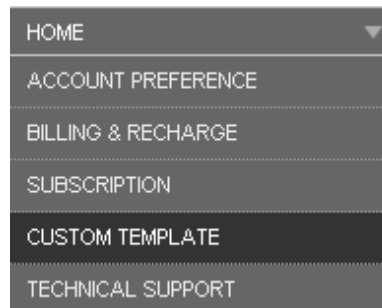
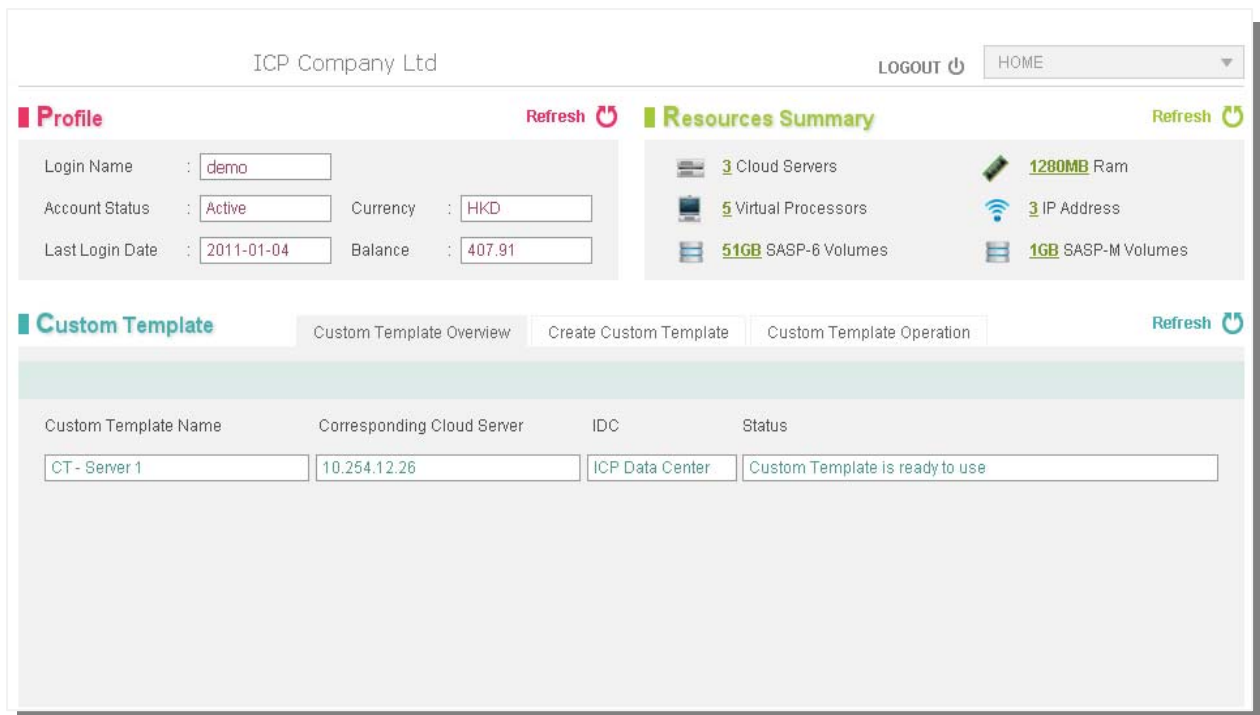
This chapter describes how to browse and create the custom template.

Custom Template Control Panel

Custom Template Control Panel is the page for custom template management.

Mouse over the right top menu, menu will slide down. Select **“CUSTOM TEMPLATE”** to enter this page.

This custom template page is divided into 3 parts, named **“Profile”**, **“Resources Summary”** and **“Custom Template”**.

The screenshot shows the 'Custom Template' page for 'ICP Company Ltd'. The page is divided into three main sections:

- Profile:** Contains input fields for Login Name (demo), Account Status (Active), Last Login Date (2011-01-04), Currency (HKD), and Balance (407.91).
- Resources Summary:** Displays server statistics: 3 Cloud Servers, 5 Virtual Processors, 51GB SASP-6 Volumes, 1280MB Ram, 3 IP Address, and 1GB SASP-M Volumes.
- Custom Template:** Features a table with columns for Custom Template Name, Corresponding Cloud Server, IDC, and Status. A table below shows one entry: 'CT- Server 1' associated with IP '10.254.12.26' at 'ICP Data Center', with a status of 'Custom Template is ready to use'.

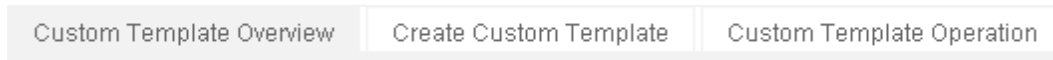
Navigation tabs at the bottom of the Custom Template section include 'Custom Template Overview', 'Create Custom Template', and 'Custom Template Operation'.

“Profile” and **“Resources Summary”** is the same as **“Cloud Server Home”**. For more detail, please refer to **Chapter3: Introduction to Cloud Server Management Panel**.

7. Custom Template (continued)

Custom Template

Custom Template allows users to browse, create custom template and perform template operation.

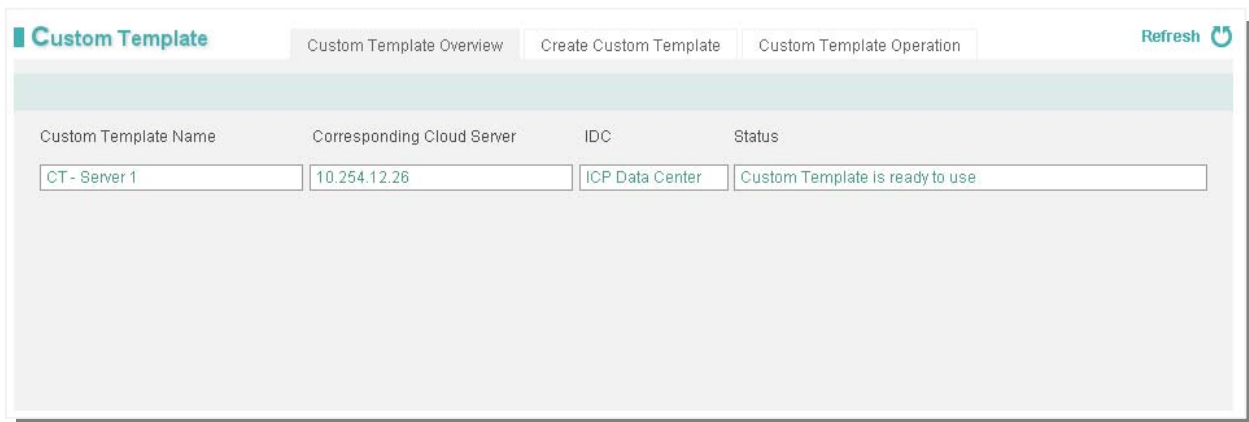


There are 3 menu tabs in this section. Each menu tab control the corresponding template function.

Custom Template Overview

Click the **“Custom Template Overview”** tab can enter the custom template browsing page.

It shows the current custom template details and status.



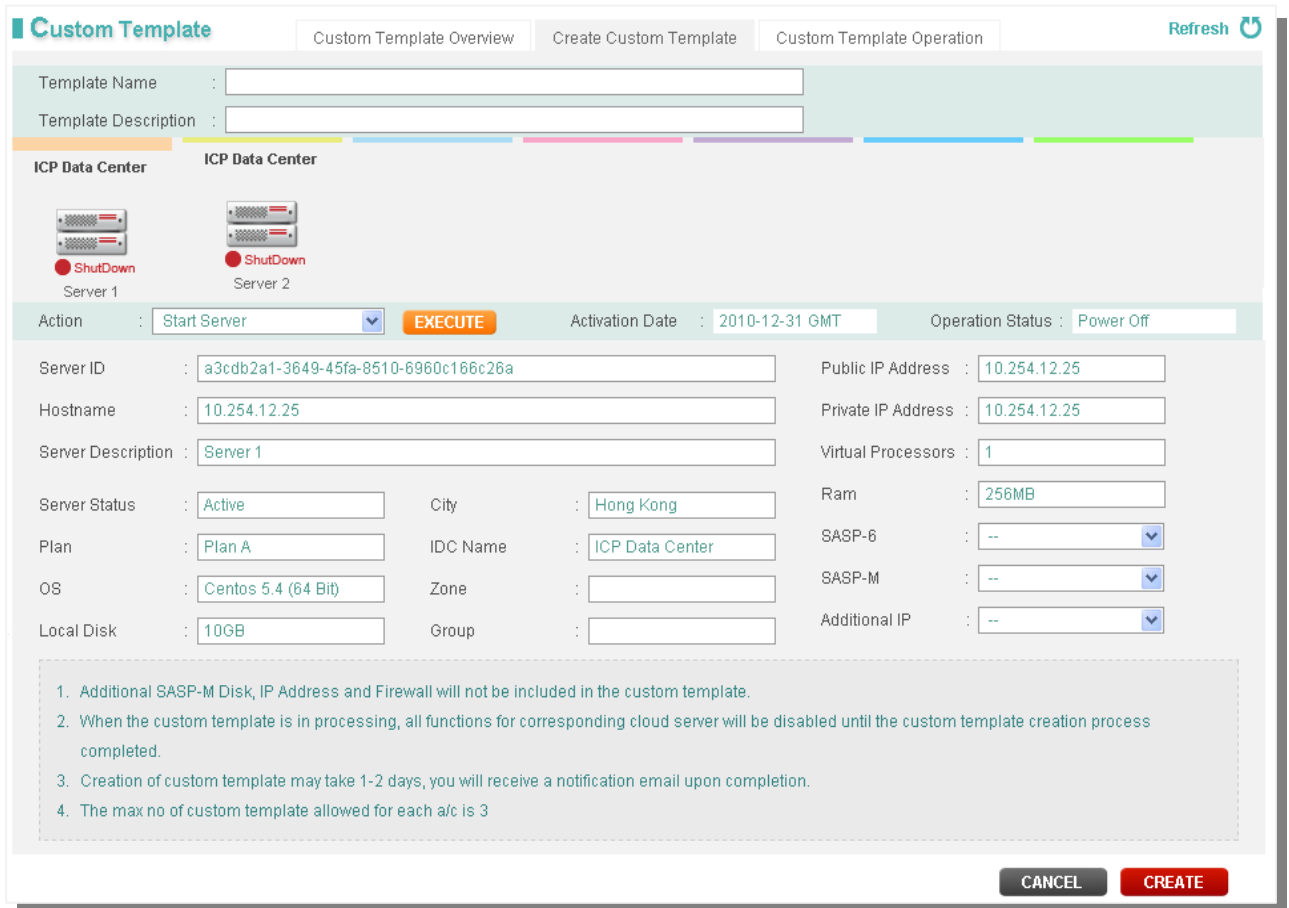
Terms use in page:

- Custom Template Name : Name of the custom template.
- Corresponding Cloud Server : The server which the template is created from.
- IDC : The IDC that the custom template reside.
- Status : Process for the custom template.

7. Custom Template (continued)

Create Custom Template

Click the “Create Custom Template” tab can enter the custom template creation page. It allows users to create a new template based on the existing server.



Custom Template Custom Template Overview Create Custom Template Custom Template Operation Refresh

Template Name :

Template Description :

ICP Data Center ICP Data Center

ShutDown Server 1 ShutDown Server 2

Action : Start Server EXECUTE Activation Date : 2010-12-31 GMT Operation Status : Power Off

Server ID : a3cdb2a1-3649-45fa-8510-6960c166c26a Public IP Address : 10.254.12.25

Hostname : 10.254.12.25 Private IP Address : 10.254.12.25

Server Description : Server 1 Virtual Processors : 1

Server Status : Active City : Hong Kong Ram : 256MB

Plan : Plan A IDC Name : ICP Data Center SASP-6 : --

OS : Centos 5.4 (64 Bit) Zone : SASP-M : --

Local Disk : 10GB Group : Additional IP : --

1. Additional SASP-M Disk, IP Address and Firewall will not be included in the custom template.
 2. When the custom template is in processing, all functions for corresponding cloud server will be disabled until the custom template creation process completed.
 3. Creation of custom template may take 1-2 days, you will receive a notification email upon completion.
 4. The max no of custom template allowed for each a/c is 3

CANCEL CREATE

There are a few points need to notice for custom template creation.

1. Additional SASP-M Disk, IP Address and Firewall will not be included in the custom template.
2. When the custom template is in processing, all functions for corresponding cloud server will be disabled until the custom template creation process completed.
3. Creation of custom template may take 1-2 days, users will receive a notification email upon completion.
4. The max no of custom template allowed for each account is 3.

7. Custom Template (continued)

To create a custom template:

- STEP 1** Input the “**Template Name**” and “**Template Description**”.
- STEP 2** Select the server which the template is built from.
Template can only be created if the server is shutdown.
Check if the server's operation status is “Power Off”. If not, shutdown the server.
- STEP 3** Click “**CREATE**” button and confirm the creation process.
The template creation may take 1-2 day(s) to proceed. Users will receive a notification email upon completion.

Custom Template Operation

Click the “**Custom Template Operation**” tab can enter the custom template operation page.

It allows users to create custom template instance. A custom template instance means to create a new VM which is cloned from the custom template image.

To create a custom template operation:

- STEP 1** Choose the template in “**Template Name**” combo box.
The custom template information will show after selection.
- STEP 2** Input the “**New Server Description**”.
- STEP 3** Click “**CREATE**” button and confirm the creation.
Creation of new custom template instance may take 1-2 day(s), users will receive a notification email upon completion.

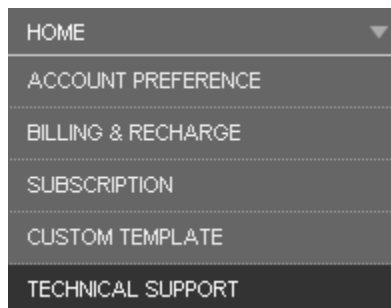
8. Technical Support

This chapter describes how to report problems in case of any difficulties.

Technical Support Page

It is a page to allow users to report any problems or submit enquiry. Support email and hotline are provided allowing users to contact support team.

Mouse over the right top menu, menu will slide down. Select **“TECHINCAL SUPPORT”** to enter this page.



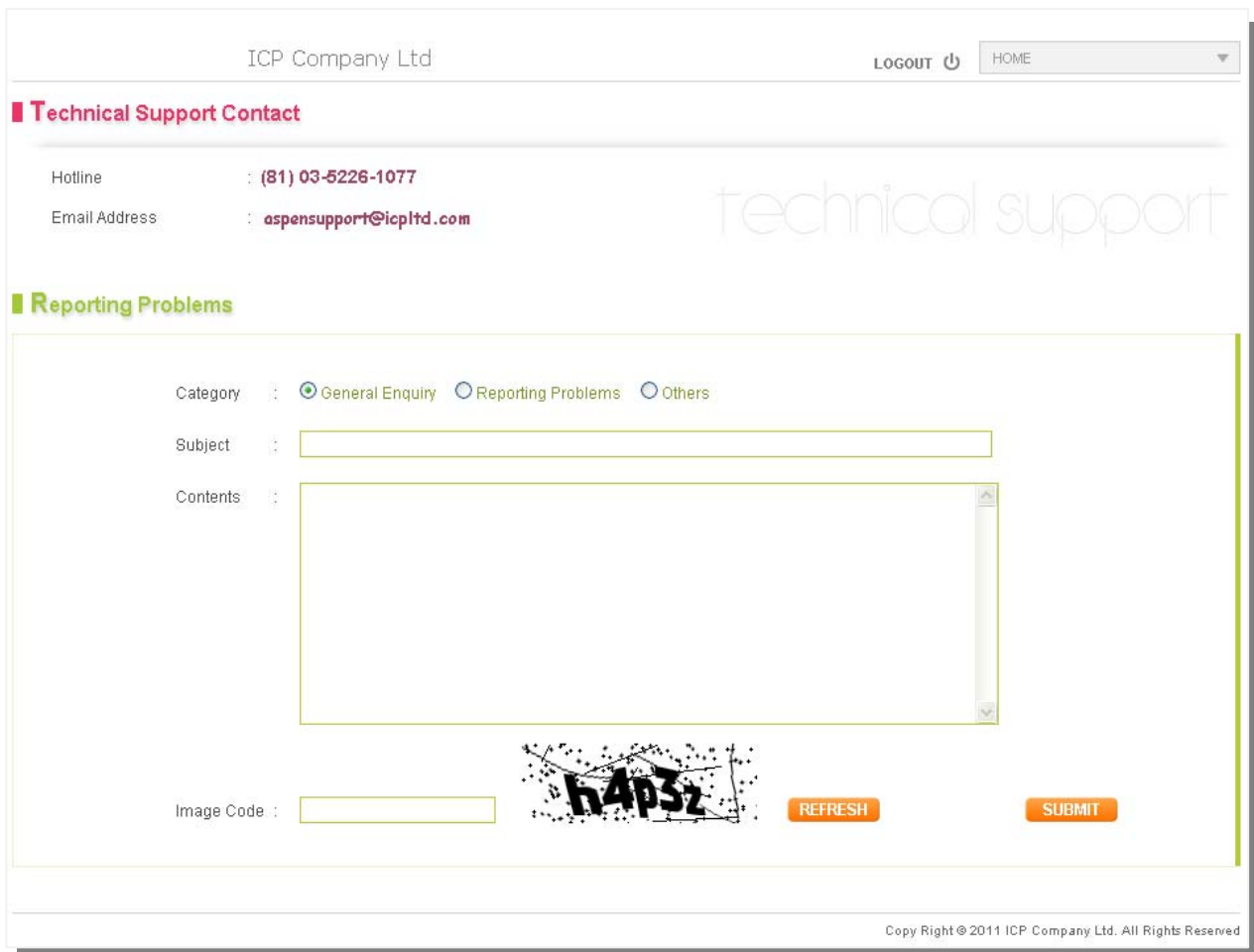
8. Technical Support (continued)

To report problems:

STEP 1 Input the “Subject”, “Content” and “Image Code”.

STEP 2 Click “Submit” button.

Once support team received the mail, they will reply enquiry as soon as possible.



The screenshot shows the 'Technical Support Contact' page. At the top, it displays 'ICP Company Ltd' and navigation links for 'LOGOUT' and 'HOME'. The page is titled 'Technical Support Contact' and provides contact information: Hotline: (81) 03-5226-1077 and Email Address: aspensupport@icpltd.com. A large 'technical support' watermark is visible. Below this is the 'Reporting Problems' section, which includes a form with the following fields and options:

- Category: General Enquiry Reporting Problems Others
- Subject:
- Contents:
- Image Code:

At the bottom of the form, there is a CAPTCHA image showing the text 'h4p3z' and two buttons: 'REFRESH' and 'SUBMIT'. The footer of the page contains the text: 'Copy Right © 2011 ICP Company Ltd. All Rights Reserved'.

9. FAQ

Q1. How to recharge balance?

Balance can be recharged by **bank** or **PayPal**.

1. Select **"BILLING & RECHARGE"** from the right top menu.
It will link to the billing & recharge panel.

To recharge by bank:

- a1. Please follow the instruction stated in "Recharge By Bank Transfer" section.

To recharge by PayPal:

- b1. Enter the "Recharge Amount" in **"Recharge By PayPal"** section.
The minimum amount of recharge is HKD\$50.00
- b2. Click **"Pay Now"** button and confirm the recharge action.
It will link to PayPal account log in page.
- b3. Confirm the recharge Item and log in the PayPal.
- b4. Click "Pay Now" button.

After recharge, it will link back to the panel and success message alert will be shown.

Q2. How to monitor current usage of resources, such as CPU / Ram / Disk?

1. Select **"HOME"** from the top right menu.
It will link to the cloud server home.
2. Select a server in **"Cloud Servers"** section.
Server information for the selected servers will be shown in **"Cloud Server Information"** part.
3. In **"Cloud Server Information"**, there is 7 menu tab.
Click the menu tab to monitor the corresponding resources.
For example, click **"Ram"** to browse the ram details for the selected server.

9. FAQ (continued)

Q3. How to create new server?

1. Select **"SUBSCRIPTION"** from the right top menu.
It will link to the cloud server subscriptions control panel.
2. Click **"Cloud Server"** tab in **"Cloud Server Subscription"** section.
3. Select **"City"**, **"IDC"**, **"Standard Template / IDC Template"** in order.
Select **"Zone"** if the server needs to reside to particular zone.
Server plans will display on screen.
4. Select Plans and input the **"Server Description"**.
5. Click **"CHECK OUT NOW"** button and confirm an action.

Q4. How to subscribe additional resources to a server?

1. Select **"SUBSCRIPTION"** from the right top menu.
It will link to the cloud server subscriptions control panel.
2. The **"Cloud Server Subscription"** section have 7 menu tab.
Click the menu tab to subscribe the corresponding resources.
For example, click **"Ram"** to subscribe additional ram to a server.
3. If resources is SASP-M,
 - a1. Select **"City"**, **"IDC"**.
If resources is not SASP-M,
 - b1. Select the server to attach the resources.
4. Select **"Plan"**.
5. Click **"CHECK OUT NOW"** button and confirm an action.
If action success, a success message alert will display on screen.

9. FAQ (continued)

Q5. How to terminate a server?

1. Select **"HOME"** from the right top menu.
It will link to the cloud server home.
2. Select a server in **"Cloud Servers"** section.
3. Click **"Overview"** tab in "Cloud Server Information" section.
4. Select **"Terminate Server"** in "Action" combo box.
4. Click **"EXECUTE"** button and confirm the action.
If terminate success, a success message alert will be shown.

Q6. What is the difference of Shutdown and Terminate of the cloud server?

Shutdown and Terminate will turn off the Cloud Server.
The main difference of them is Shutdown will be still billed while Terminate will stop the subscription of that Cloud Server.

Q7. How to remove additional subscribed resources?

1. Select **"HOME"** from the right top menu.
It will link to the cloud server home.
2. Select a server in **"Cloud Servers"** section.
3. In **"Cloud Server Information"**, there is 7 menu tab.
Click the menu tab to monitor the corresponding resources.
4. Click the **"remove"** button next to the additional resources records.
For SASP-M, it's necessary to unplug the disk before remove operation option is available. For more details, please refer to Chapter 3.

9. FAQ (continued)

Q8. How to create custom template?

1. Select **“CUSTOM TEMPLATE”** from the right top menu.
It will link to the custom template control panel.
2. Click **“Create Custom Template”** tab.
3. Input the **“Template Name”** and **“Template Description”**.
4. Select the server which the template is built from.
Template can only be created if the server is shutdown.
Check if the server's operation status is **“Power Off”**. If not, shutdown the server.
5. Click **“CREATE”** button and confirm the creation process.
The template creation may take 1-2 days to proceed. Users will receive a notification email upon completion.

Q9. How to create a new server with the custom template?

1. Select **“CUSTOM TEMPLATE”** from the right top menu.
It will link to the custom template control panel.
2. Click **“Custom Template Operation”** tab.
3. Choose the template in **“Template Name”** combo box.
The custom template information will show after selection.
4. Input the **“New Server Description”**.
5. Click **“CREATE”** button and confirm the creation.
Creation of new custom template instance may take 1-2 days, users will receive a notification email upon completion.

10. Contact Details

About Power-All Networks Ltd

Power-All focuses on basic storage and server grid infrastructure. By using the virtualization technology, Power-All has developed an on-demand based cloud computing platform allowing users to deploy and scale their infrastructure on the cloud virtually called Aspen Cloud Server. For more detail, please visit

Power-All Company

<http://www.powerallnetworks.com/>

Aspen Cloud Storage Portal

<http://cserver.cloudwww.com>

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