



Sangfor Cloud Platform(SCP) Version Release Notes

Version 6.1.0



Change Log

Date	Change Description
June 17, 2020	SCP6.1.0 Version release notes.

CONTENT

Chapter 1 What is New?	1
Chapter 2 Upgrade Instruction	3
2.1 Confirmation Before Upgrade	3
2.2 Upgrade Limitations (IMPORTANT)	3
2.3 Upgrade Recommendations	3
2.4 Upgrade Procedure	3
2.5 Handling of Upgrade Failure	4
Chapter 3 Precautions	4

Chapter 1 What is New?

[New] Key-free licensing

- Support licensing to the managed HCI/aCloud without physical USB key.
- Support individual authorization for managed HCI/aCloud.

[New] Multi-version management

- Support to manage HCI/aCloud with different version:
aCloud5.8.6_EN, aCloud5.8.7R1_EN, aCloud5.8.8_EN, aCloud5.8.8R1_EN, aCloud6.0.0_EN, aCloud6.0.1_EN, HCI6.1.0_EN.

[New] Web UI Customization

- Support customizing platform information such as name, summary and service phone number.
- Support self customize logo display.
- Support inserting self customize official link and QR code.
- Support to import SSL certificate to SCP.

[New] Password recovery

- Support to recover password through email after configured corresponding mail box in the users configuration.

[New] VPC Virtual Network Function

- Support creating corporate lease line in VPC which is similar to the AWS Direct Connect.
- Support VPC internal DNS features.
- Tenant now support both VPC and classic network.
- VPC subnet can support other subnet other than 192.
- Support creating vNGAF, vAD and vSSL VPN in the VPC network.
- Added Shared Bandwidth option for Elastic IP.

[New] Authentication

- Support importing tenant and tenant user from Linux LDAP, Windows AD and Excel file.
- Support SSO authentication based on CAS protocol.

[New] Physical Machine

- Support to add physical machine for management.
- Each roles on SCP(Platform administrator, tenant and tenant user) have different privilege for the physical machine operation.

[New] AWS Integration

- Support to integrate AWS for management purpose.
- Support the following operation for AWS:
 - Create New VM
 - Power on/off VM.
 - Remote Connection to the VM.

[New] OpenStack API Integration

- Support integration of OpenStack API into SCP.
- Support most of the VM operation such as create/delete/edit/power on&off vm, create/associate/disassociate Elastic IP, etc.

[New] New license

- aHCM(Hybrid Cloud Management), aAPI and aGPU licensing.

[Enhanced] VPC VM Operation Optimization

- Support creating multiple VPC VM at a time.
- Support to specify expired date for the VPC VM.
- Support to configure hostname for multiple VM at a time.
- Support CD/DVD option for tenants.

[Enhanced] Backup and Disaster Recovery Module

- Support Tenant to use and configure Disaster Recovery.
- Added Backup, CDP and DR privilege for platform administrator sub account.
- Tenant's VM can now be added into DR policy by admin.
- Optimize backup performance to Virtual Storage and iSCSI .
- Support scheduled DR Link transfer speed limitation.
- Optimize full backup transmission by reserving the placeholder vm.

[Enhanced] Billing Module

- Support General Pricing and Individual Tenant Pricing.
- Support to export the summary of billing for specify tenant.

[Enhanced] Work Order

- Support tenant to retreat work order.
- Support to select multiple administrator or tenants to process on the work order.
- Support tenant to request network and NFV resources through work order.

[Enhanced] Resources Pool Summary

- •Enhanced the information display in the resources pool summary.

Chapter 2 Upgrade Instruction

2.1 Confirmation Before Upgrade

Support upgrade from the following earlier versions:

aCMP5.8.6_EN_B
aCMP5.8.6_EN
aCMP5.8.6R1_EN_B
aCMP5.8.6R1_EN
aCMP5.8.8_EN_B
aCMP5.8.8_EN
aCMP6.0.10R1_EN
aCMP6.0.10R2_EN

2.2 Upgrade Limitations (IMPORTANT)

1. Make sure there are **no ongoing tasks** before upgrade.
2. Does not support upgrade if the aCMP(version older than aCMP6.0.10R1_EN) **configured tenancy network**, it have to contact Sangfor technical representative for assistance.

Immediate Upgrade of Configurations, Logs and Data

Yes

Reboot Required After Upgrade

Yes

Time Taken

10 minutes

2.3 Upgrade Recommendations

If there have active passive aCMP, we recommend to disable/remove the HA settings. After upgrade primary aCMP to latest version, redeploy new secondary aCMP VM by importating new images into aCloud. Next, reconfigure the HA relationship with new secondary aCMP. Besides, it is also recommended to perform upgrade procedure during **non-peak hour** or **non production hour**.

2.4 Upgrade Procedure

HCI6.1.0_EN:

1. Check whether the current version is a custom version or applied with any sp patch. Contact Sangfor Support for further assistance if it is custom version or applied with any sp aptch.
2. Check the recycle bin and empty the recycle bin.
3. Check the Overlay IP Pool. It is required to be configured to avoid any problem caused in upgrade.
4. Install the package for pre-upgrade check.
5. Solve the detected issues or contact sangfor support for further assistance.
6. If the current version is earlier than 5.8.6_EN, it is required to upgrade the version to

at least 5.8.6_EN and above first. Before upgrading, virtual network devices (NFV) and virtual machine is required to be shutdown. Besides, the nodes is required to reboot after upgrade successfully.

7. Make sure version of the update package to be installed is HCI6.1.0_EN official version.
8. Check the environment for upgrade.
9. Load the update package of HCI6.1.0_EN version.
10. For hot upgrade, exit upgrade after upgrade finishes. For cold upgrade, restarting device is required to finish the upgrade.

SCP6.1.0_EN:

1. Make sure currently there is no task running on aCMP.
2. Load the update package of SCP6.1.0_EN official version.
3. Perform upgrade operation and reboot the device after upgrade completes.

2.5 Handling of Upgrade Failure

Scenario 1: Insufficient boot partition space

Solution: Contact Sangfor technical support representative.

Scenario 2: License expires

Solution: Contact Sangfor technical support representative to renew the license.

Scenario 3: Fail to upgrade versions earlier than aCMP6.0.10R1_EN (e.g. aCMP5.8.6_EN, aCMP5.8.6R1_EN, aCMP5.8.8_EN) in which tenant is created.

Solution: Contact Sangfor technical support representative or removed all the existing organization/tenant.

Scenario 4: Fail to upgrade when there have the tenancy configuration

Solution: Contact Sangfor technical support representative or removed all the existing organization/tenant.

Chapter 3 Precautions

1. Started from aCMP 6.0.10R1 **no longer support NFV deployment in tenancy network**, organization concept have been replaced with VPC and EIP. Hence, it have to remove NFV in organization network before proceed to upgrade 6.0.10R1.
2. If there have organization network configured in aCMP, it have to contact Sangfor technical representative before upgrade to aCMP 6.0.10R1. Sangfor technical team have to manually convert mechanism of organization network to VPC and EIP.



Copyright © SANGFOR Technologies Inc. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of SANGFOR Technologies Inc.

SANGFOR is the trademark of SANGFOR Technologies Inc. All other trademarks and trade names mentioned in this document are the property of their respective holders. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

The information in this document is subject to change without notice.

To obtain the latest version, contact the international service center of SANGFOR Technologies Inc

