



SANGFOR

SANGFOR_NGAF_v7.4_ Mail Alerts Testing Guidance



SANGFOR Technologies Inc.

30th November 2017

Your Future-Proof IT Enabler

Sangfor Technologies

Block A1, Nanshan iPark, No.1001 Xueyuan Road, Nanshan District, Shenzhen, China


T.: +86 755 2654 2000 (7511) | E.: tech.support@sangfor.com | W.: www.sangfor.com



Declaration

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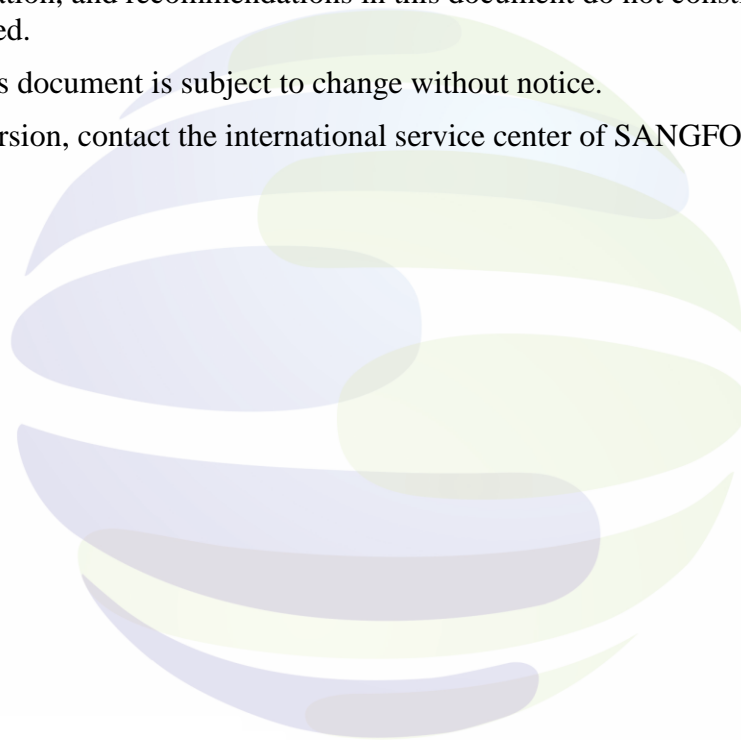
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1 Introduction

1.1 Abbreviations and conventions

AF in this article refers to the SANGFOR NGAF device.

1.2 Feedback

If you find any questions of this documents, please feel free to give us feedback, email: tech.support@sangfor.com.

2 Scenario

When the device is running in abnormal or unsafe operation, it will send an email to inform administrator for solving the issue in time. The purpose is to ensure the network is secure.

2.1 Prerequisite

- i. Prepare a NGAF device.
- ii. NGAF can normally access to the external network.
- iii. An account which is used to send email.

3 Configuration Steps

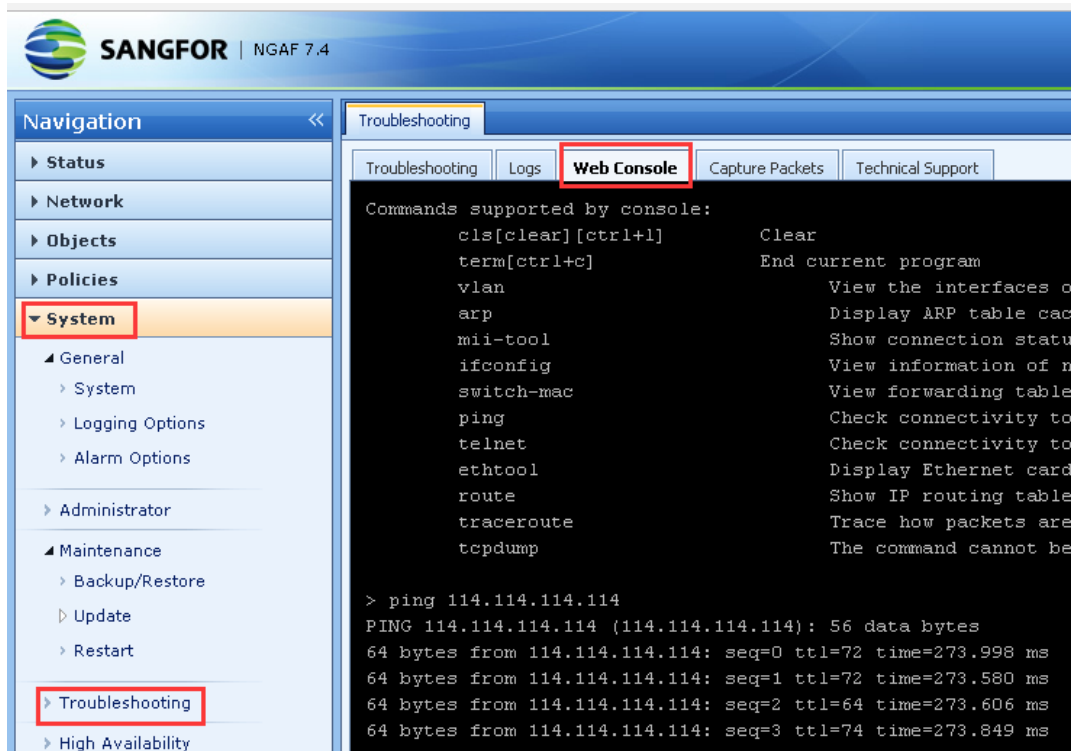
- i. In **System>Troubleshooting>Web Console** ping 114.114.114.114 to ensure that device can access to external network.

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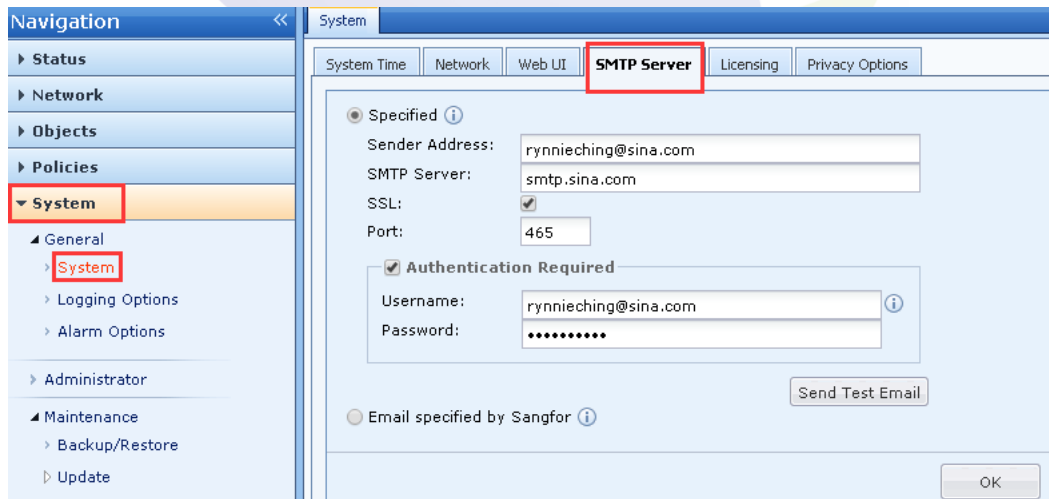
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- ii. Create an email account and enable SMTP function.
- iii. In **System > System > SMTP Server** to configure sender address, SMTP Server (*Can refer to email account setting*) and authentication required.

****The port number may be 25,465,587 (depend on types of SMTP Server)**



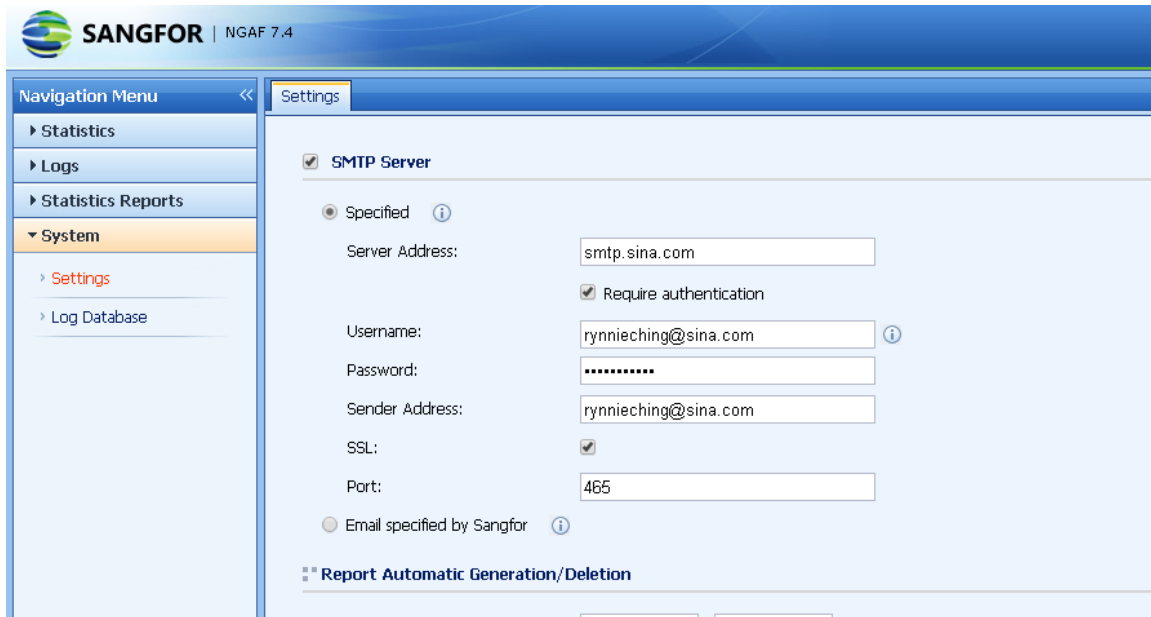
- iv. Go to Internal Report Center to configure again. (*The user credential must same with iii.*)

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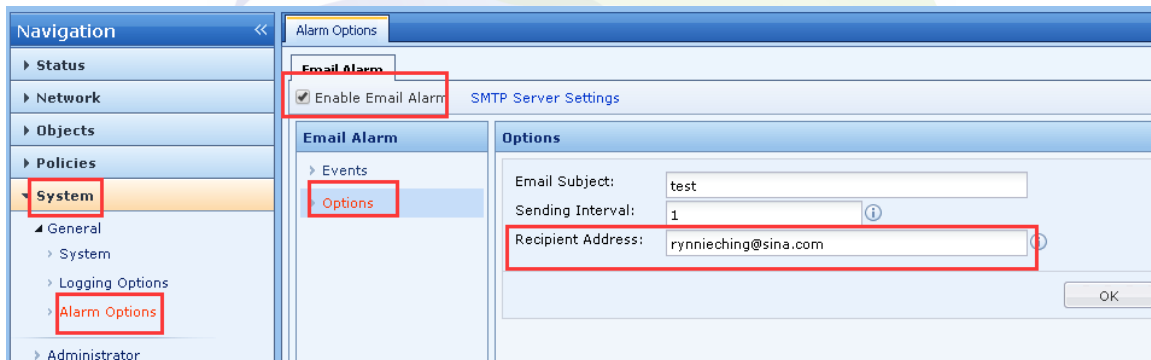
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- v. Define the recipient address in **System> Alarm Options >Enable Email Alarm>Options**.



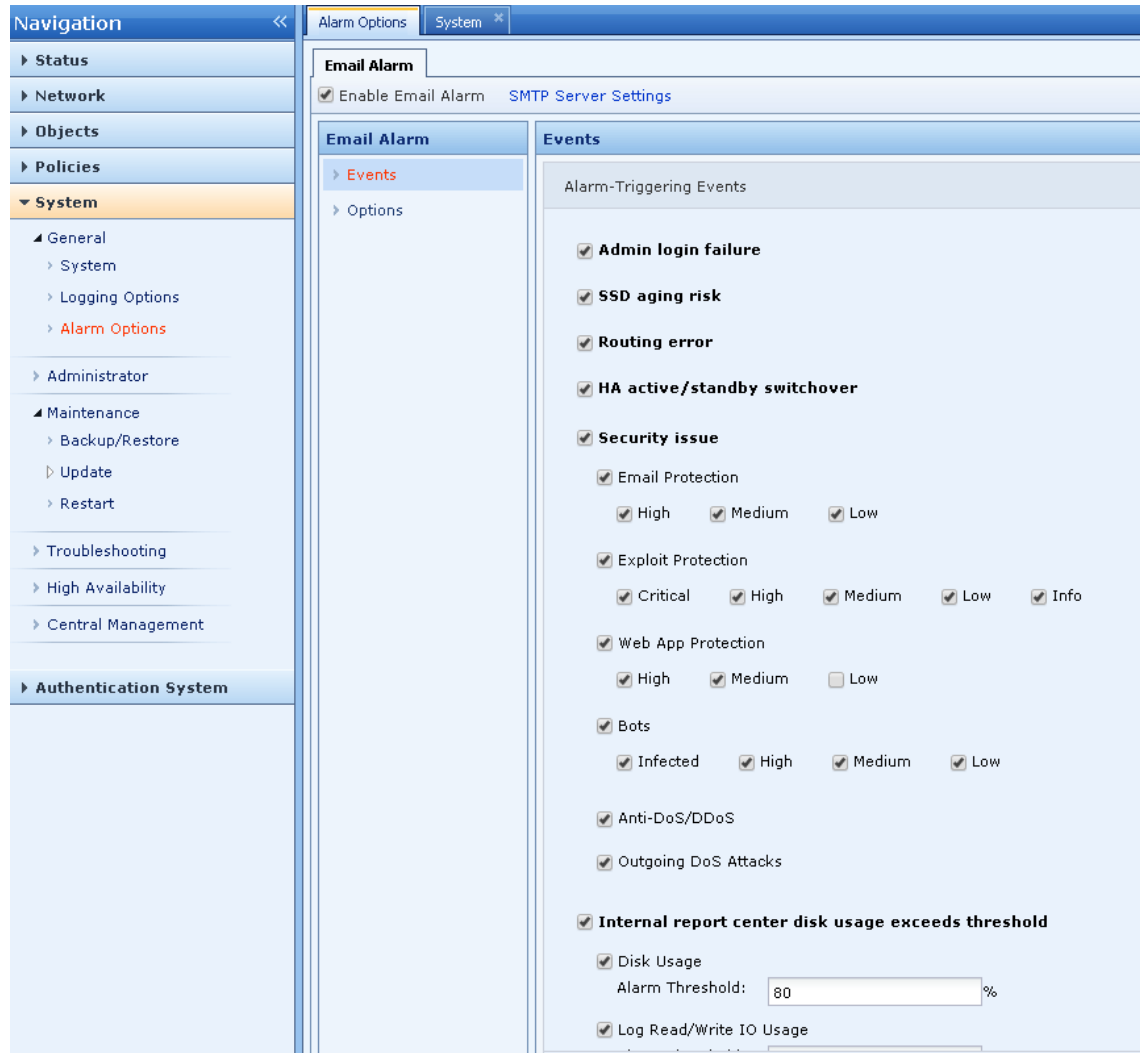
- vi. Select the alarm triggering events. (Path: **System> Alarm Options> Events**)

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4 Test Results

4.1 Test Method

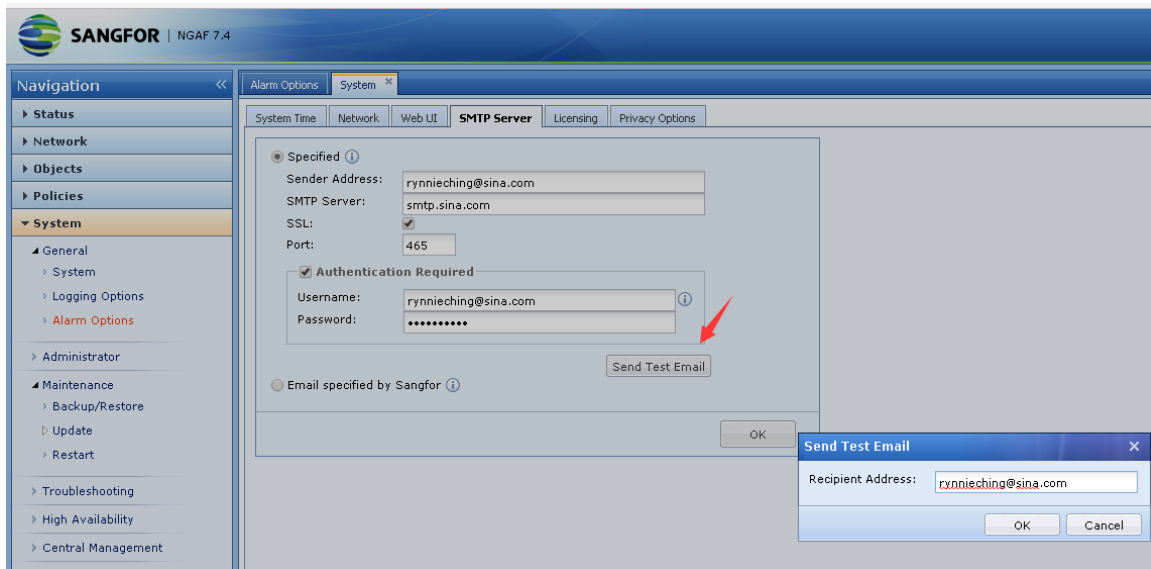
- i. Send a test email to valid email account.

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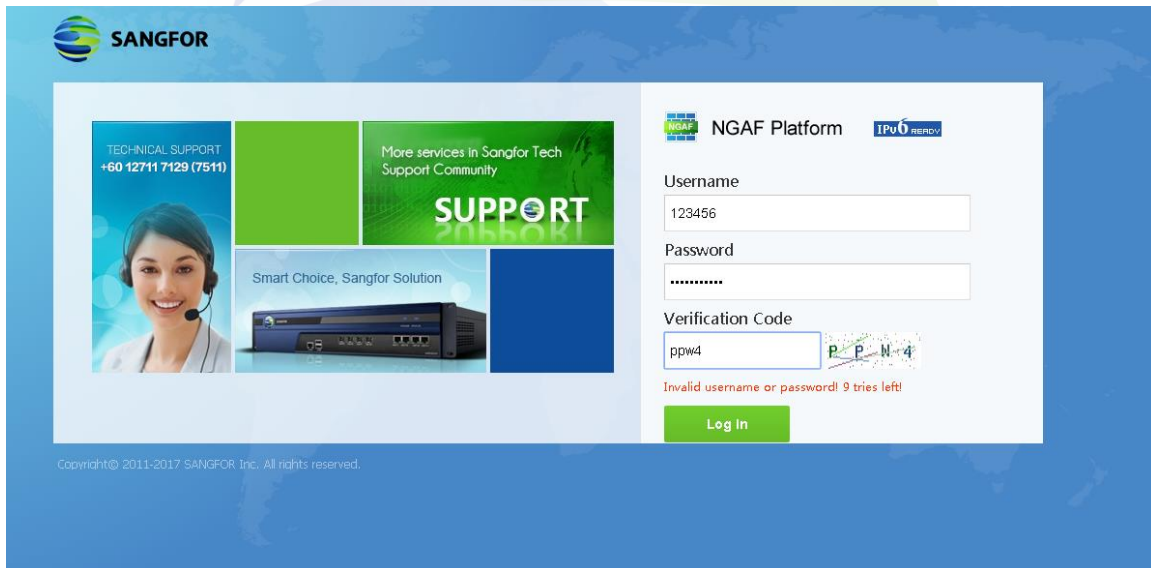
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ii. Using invalid username or password to login.



iii. Setting the percentage of disk usage is 5%.

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Alarm-Triggering Events

☒ **Security issue**

☒ Email Protection

☒ High ☒ Medium ☒ Low

☒ Exploit Protection

☒ Critical ☒ High ☒ Medium ☒ Low ☒ Info

☒ Web App Protection

☒ High ☒ Medium ☐ Low

☒ Bots

☒ Infected ☒ High ☒ Medium ☒ Low

☒ Anti-DoS/DDoS

☒ Outgoing DoS Attacks

☒ **Internal report center disk usage exceeds threshold**

☒ Disk Usage

Alarm Threshold: %

☒ Log Read/Write IO Usage

Alarm Threshold: %

☒ Log preservation restrictions

Application control logs: per day

Traffic audit logs: per day

4.2 Results

- i. Test email is sent successful



This is test email from Sangfor NG Firewall.

- ii. Login unsuccessfully message will be informed.

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test(Alarm on management) ★ 📧 🖨

rynnieching 于2017年11月27日 星期一 下午12:11 发送给

Time: 2017-11-27 12:11:26, username: 123456, IP address: 192.200.19.62. Login failed

- iii. Disk usage exceeded threshold will be informed.

test(Alarm on log disk remaining space) ★ 📧 🖨

rynnieching 于2017年11月27日 星期一 下午14:12 发送给

On the device(gateway ID: D88CB6EC), the used disk space is 7%, higher than the threshold: 5%

5 Precautions

- i. To ensure that the device must access to external network by using “ping” command.
- ii. To ensure that the sender email is valid by sending a test mail. If users cannot receive the test mail, users can change another email account like foxmail.
- iii. Users can view the log when unsuccessfully sending email. (***Path: Internal Report Center>Logs>Admin Operation***)
- iv. Users may try to add email account into whitelist because it could be configured spam email filtering.

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