



SANGFOR

# **Sangfor\_IAM\_v11.9**

## **Monitoring IAM via SNMP**



SANGFOR Technologies Inc.

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*Your Future-Proof IT Enabler*

**Sangfor Technologies**

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


T.: +86 755 2654 8888 (7511) | E.: [tech.support@sangfor.com](mailto:tech.support@sangfor.com) | W.: [www.sangfor.com](http://www.sangfor.com)



## Declaration

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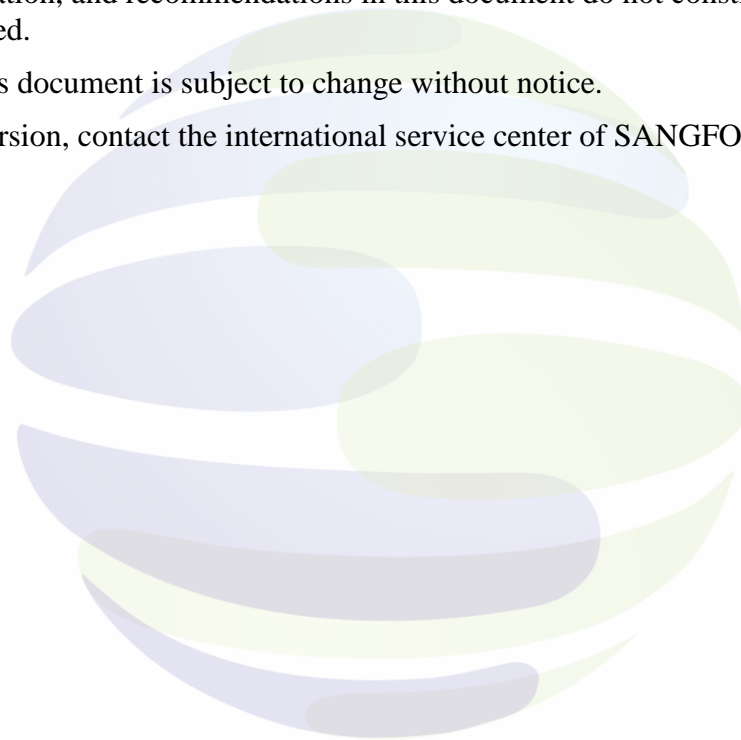
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Block A1, Nanshan iPark, No.1001 Xueyuan Road, Nanshan District, Shenzhen, China

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# 1 Introduction

## 1.1 Abbreviations and conventions

IAM in this article refers to the SANGFOR IAM device.

## 1.2 Feedback

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

# 2 Application Scenario

SNMP management software is run to monitor logs information of devices in a network environment. To know what the supported SNMP versions are and how to configure SNMP network management software for device management.

# 3 Conditions to run SNMP test

IAM device and SNMP network monitoring software.

# 4 SNMP configuration flow

- i. Configure SNMP
- ii. Download the MIB library
- iii. Configure third-party software

# 5 Configuration and screenshots

## 5.1 SNMP configuration

Navigate to System -> General -> Advanced -> SNMP

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The screenshot shows the Sangfor IAM11.9 web interface. The top header includes the Sangfor logo, version 'IAM11.9', and user information 'User: admin' with links for 'Log Out', 'Help', and 'Internal Report Center'. The left navigation pane is expanded to 'System', with 'Network' selected and 'Advanced' highlighted. The 'Category' pane shows 'SNMP' selected. The main area displays the 'SNMP' configuration form. The 'Enable SNMP v1/v2' checkbox is checked, and the 'Community' field is set to 'sangfor'. The 'Enable SNMP v3' checkbox is unchecked. The 'USM User' field is set to 'noAuthUser', and the 'Context' is 'noAuth'. The 'Authentication required' checkbox is unchecked, and the 'Protocol' is set to 'MD5'. The 'Password' field is empty. The 'Encryption' checkbox is unchecked, and the 'Encryption' field is set to 'DES'. The 'Password' field is empty. There is a 'Download MIB' button and a 'Commit' button.

**Enable SNMP v1/v2:** Tick to Enable SNMP v1/v2 and set a community name. The SNMP community name must match with the SNMP community name that is configured in the SNMP management software.

**Enable SNMP v3:** Tick to Enable SNMP v3

**USM User:** Set USM username

**Authentication required:** Enable and set authentication method, you can choose between MD5 and SHA.

**Encryption:** Tick encryption to enable DES encryption mode and set a password for encryption.

**Download MIB:** Click this button to download the MIB library of the device to import it into the SNMP management software.

## 5.2 Download MIB library

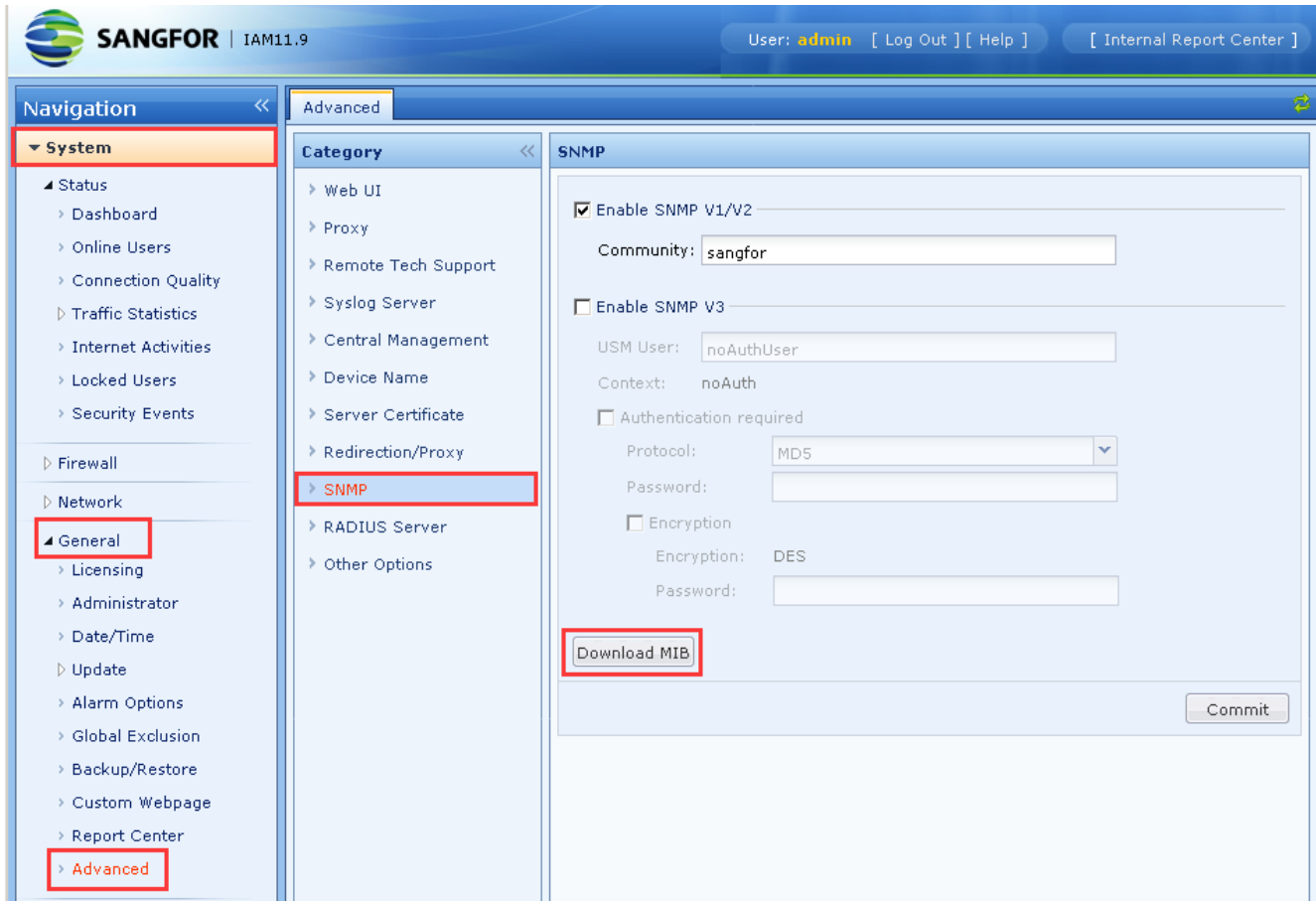
Navigate to System -> General -> Advanced -> SNMP -> Download MIB

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## 6 Precautions

7.1 SNMP is supported from IAM 3.4 to later firmware version, such that network administrators are able to monitor device status via SNMP network management software.

7.2 For firmware version IAM 3.4 to IAM 4.1R2, the default community string in Sangfor is sinfors while IAM 11.x is using sangfor as community string.

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