



SANGFOR

Sangfor_IAM_v11.9

Monitoring IAM via SNMP



SANGFOR Technologies Inc.

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Your Future-Proof IT Enabler

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Declaration

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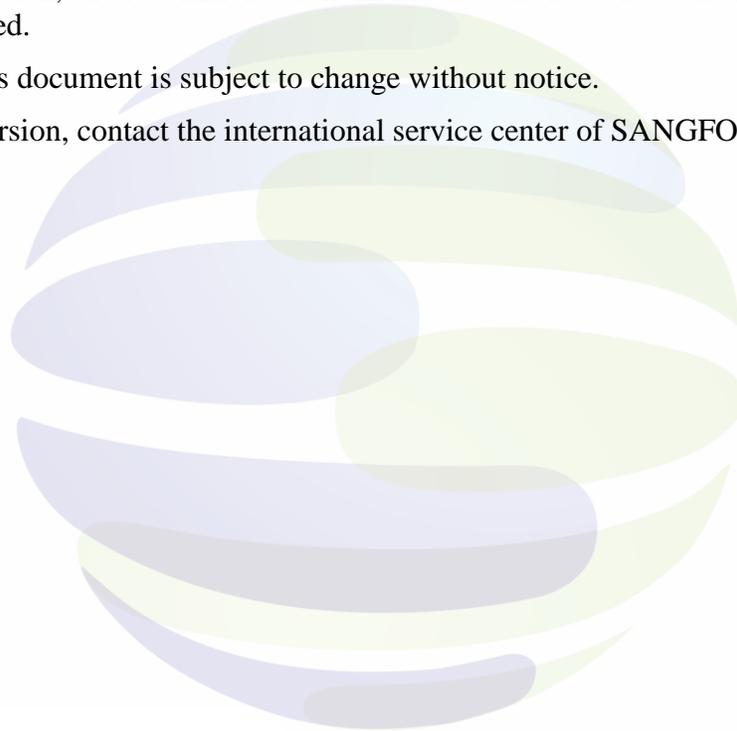
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1 Introduction

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.

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

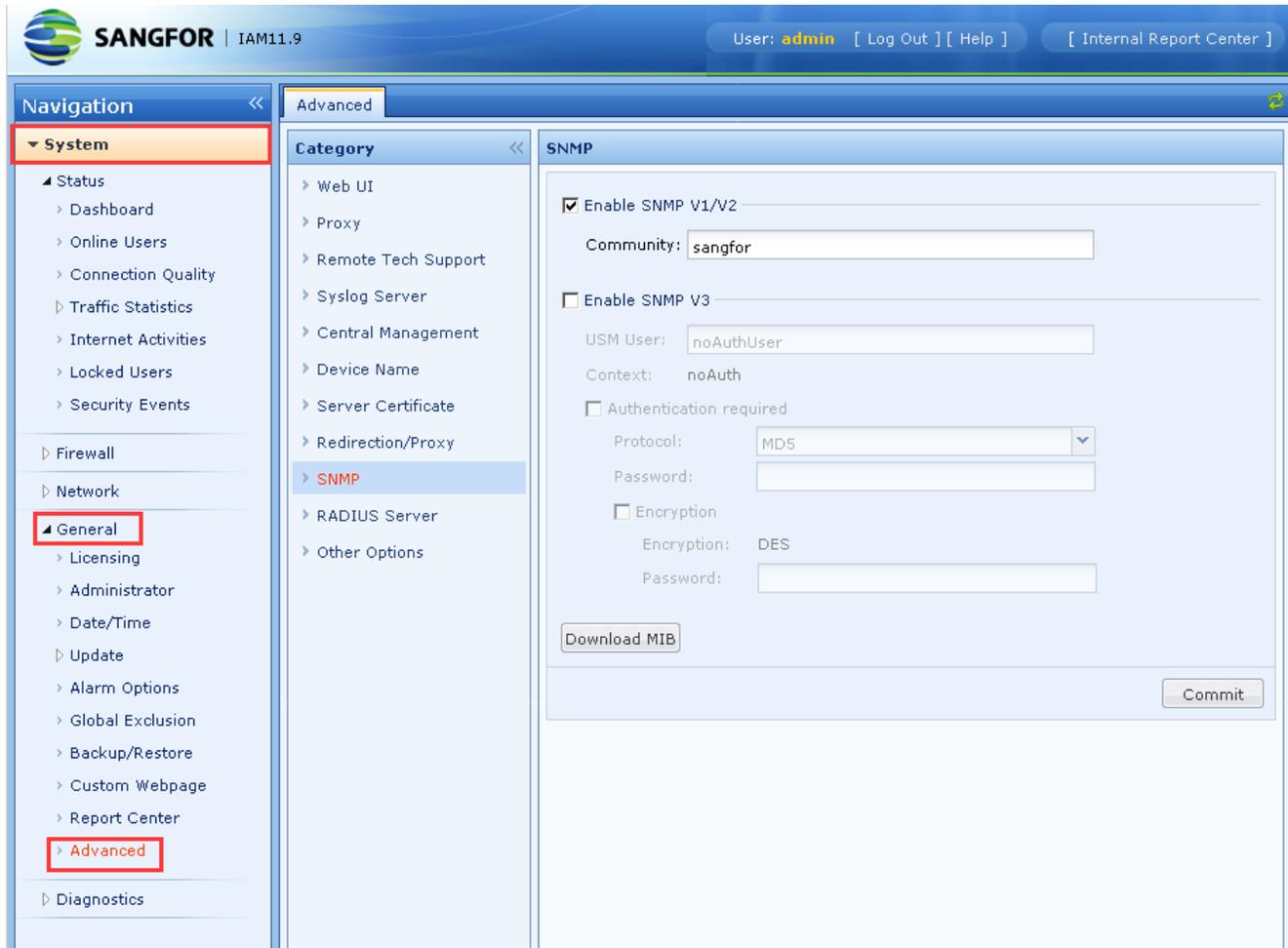
Navigate to System -> General -> Advanced -> SNMP

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The screenshot displays the SANGFOR web interface for configuring SNMP. The top navigation bar shows the user is logged in as 'admin'. The left sidebar has 'System' expanded, with 'Network' > 'Advanced' selected. The main content area shows the 'SNMP' configuration page. 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 'Encryption' checkbox is unchecked, and the 'Encryption' method is set to 'DES'. There are 'Download MIB' and 'Commit' buttons at the bottom of the configuration area.

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

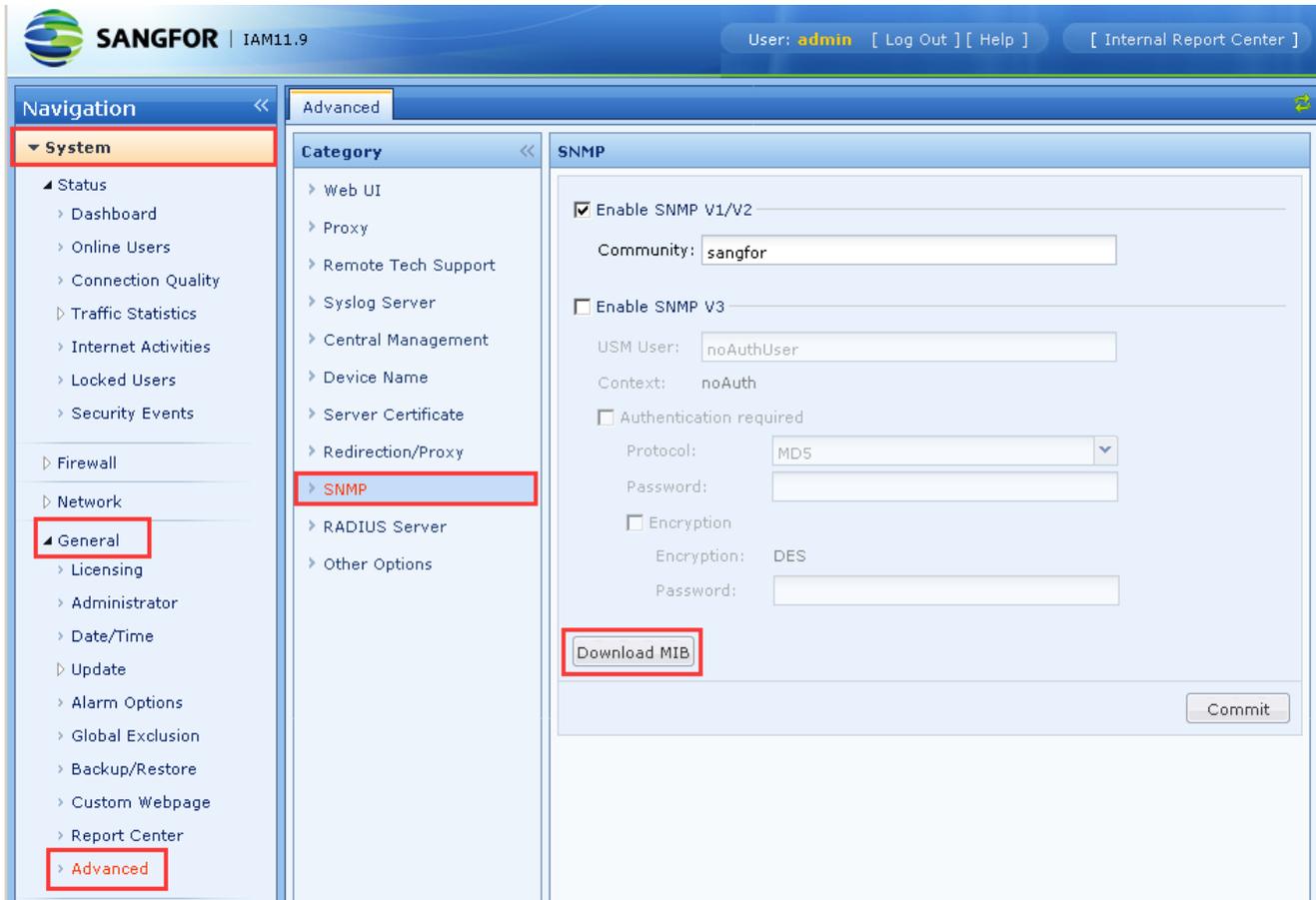
Navigate to System -> General -> Advanced -> SNMP -> Download MIB

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The screenshot displays the Sangfor IAM11.9 web interface. The top navigation bar includes the Sangfor logo, the version 'IAM11.9', and user information 'User: admin [Log Out] [Help] [Internal Report Center]'. The left navigation pane shows a tree structure with 'System' and 'Advanced' highlighted. The middle pane shows a 'Category' list with 'SNMP' selected. The main content area is titled 'SNMP' and contains the following configuration options:

- Enable SNMP V1/V2
Community: sangfor
- Enable SNMP V3
USM User: noAuthUser
Context: noAuth
- Authentication required
Protocol: MD5
Password: []
- Encryption
Encryption: DES
Password: []

A 'Download MIB' button is located at the bottom of the configuration area, and a 'Commit' button is at the bottom right.

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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