SANGFOR

IAM

Https to submit Username and password Configuration Guide

Version 12.0.42

Change Log

Date	Change Description
Dec 9, 2020	Version 12.0.42 document release.

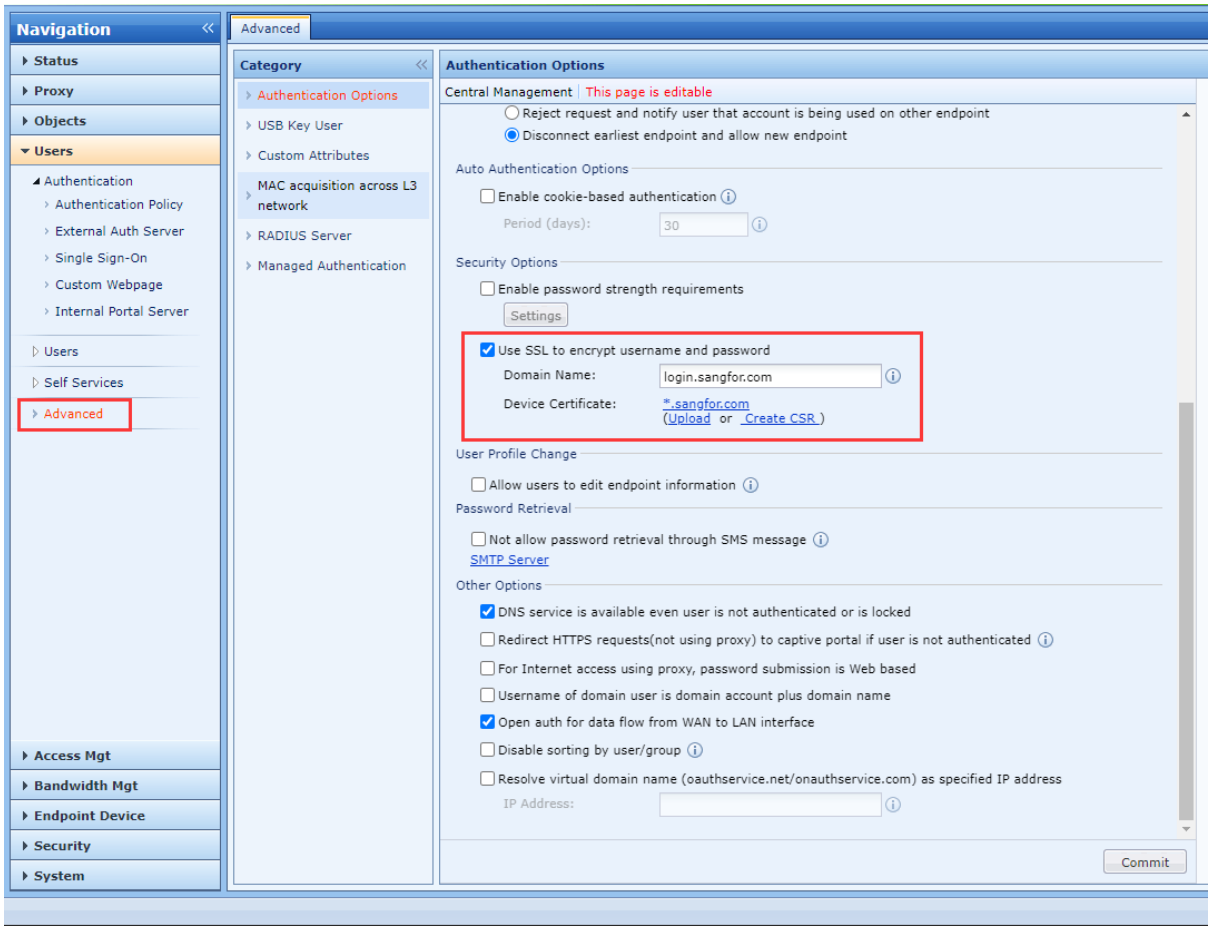
CONTENT

Chapter 1 requirements

Currently the website based on the https become more popular and secure, some of the user required to use the https login page with domain name instead of using the http user login page, in this scenario, below is the guide to make the username and password submit through the https login page.

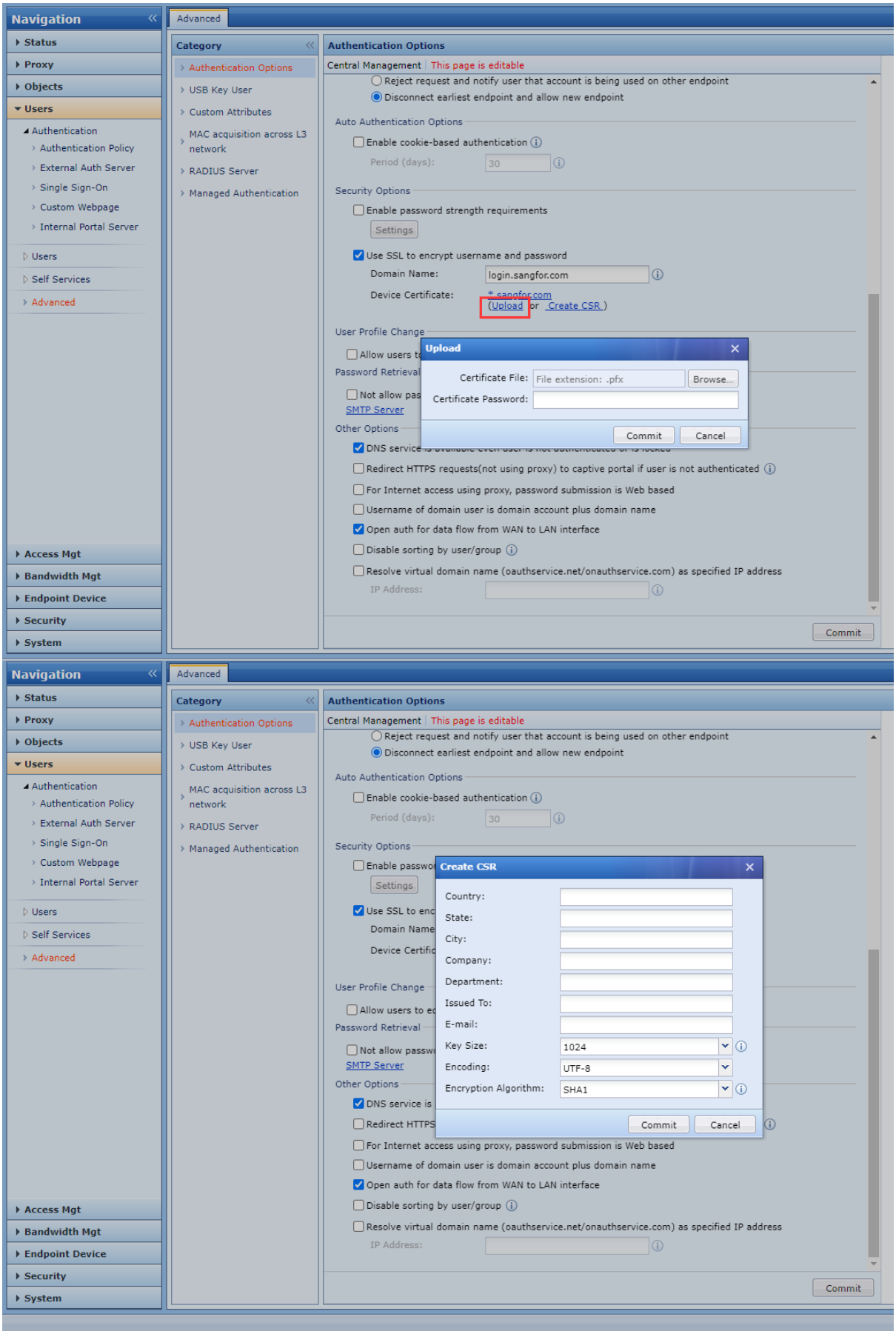
Chapter 2 Configuration Guide

1. Navigate to the Users -> Advanced -> Authentication Options and enable the "Use SSL to encrypt username and password"



2. Input the domain name inside the SSL content, in this scenario, we will use the login.sangfor.com as the domain name for the login page.
3. Import the https device cert with the pfx format or create the CSR to obtain the device cert.

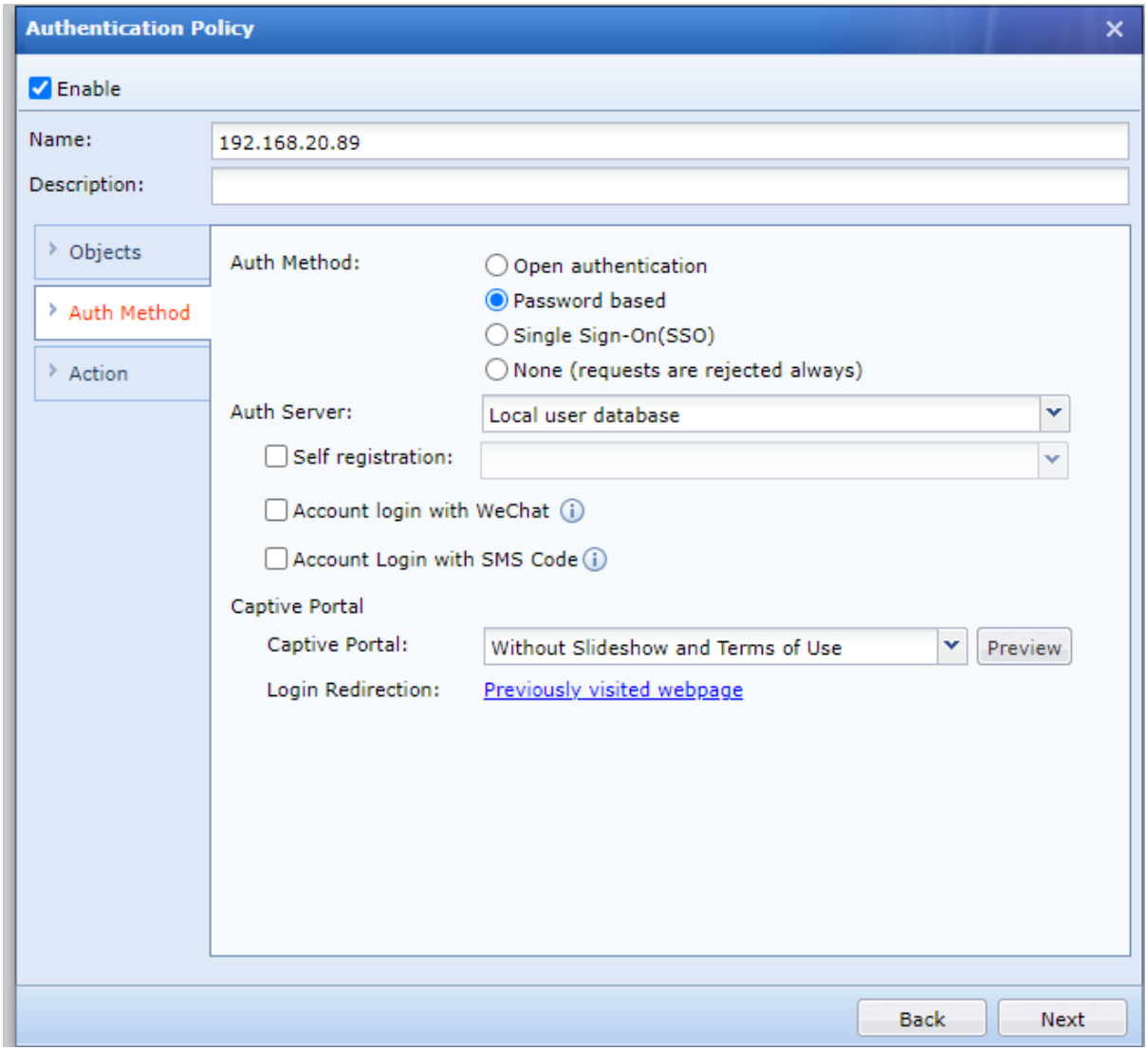
   In this scenario, we will use the device cert for the *.sangfor.com to make the device trusted by other root cert.



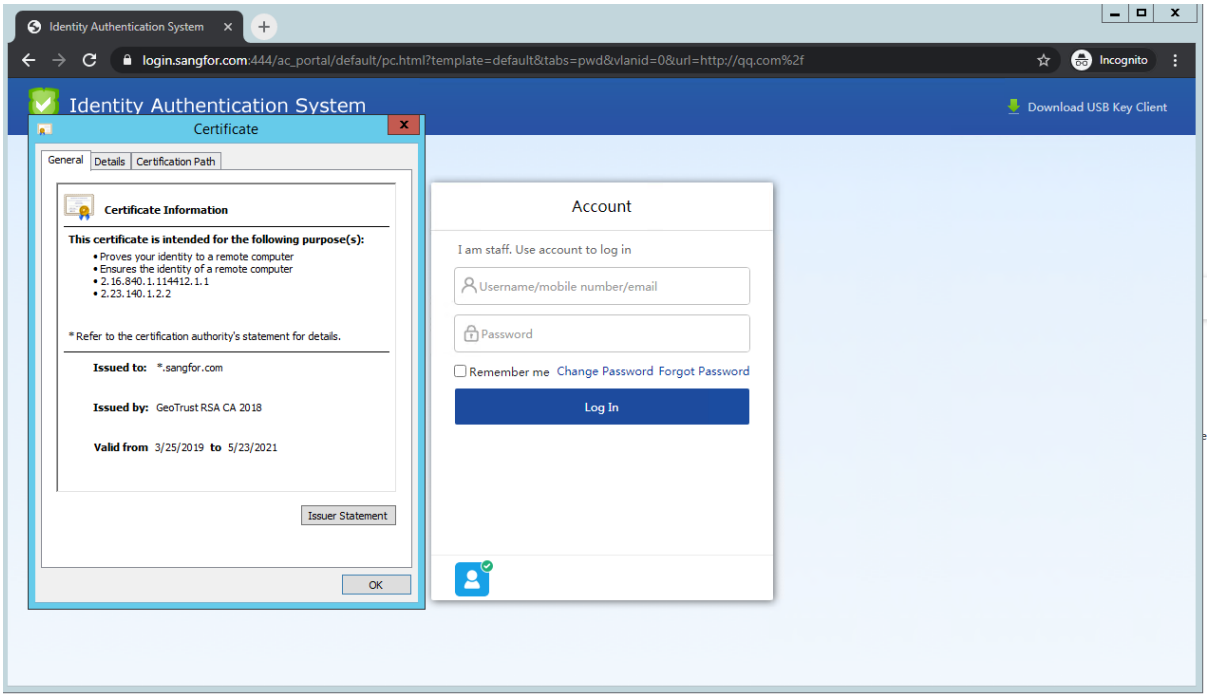
4. After imported, click the **commit** to make the device take effect.

Chapter 3 Result

1. Create an authentication policy for the device under the IAM's Lan and select the authentication method as password based.



2. After the device will redirect the http or https request to the https login page, you may also manually key in the domain name like login.sangfor.com to direct access to the https login page.



Chapter 4 Precaution

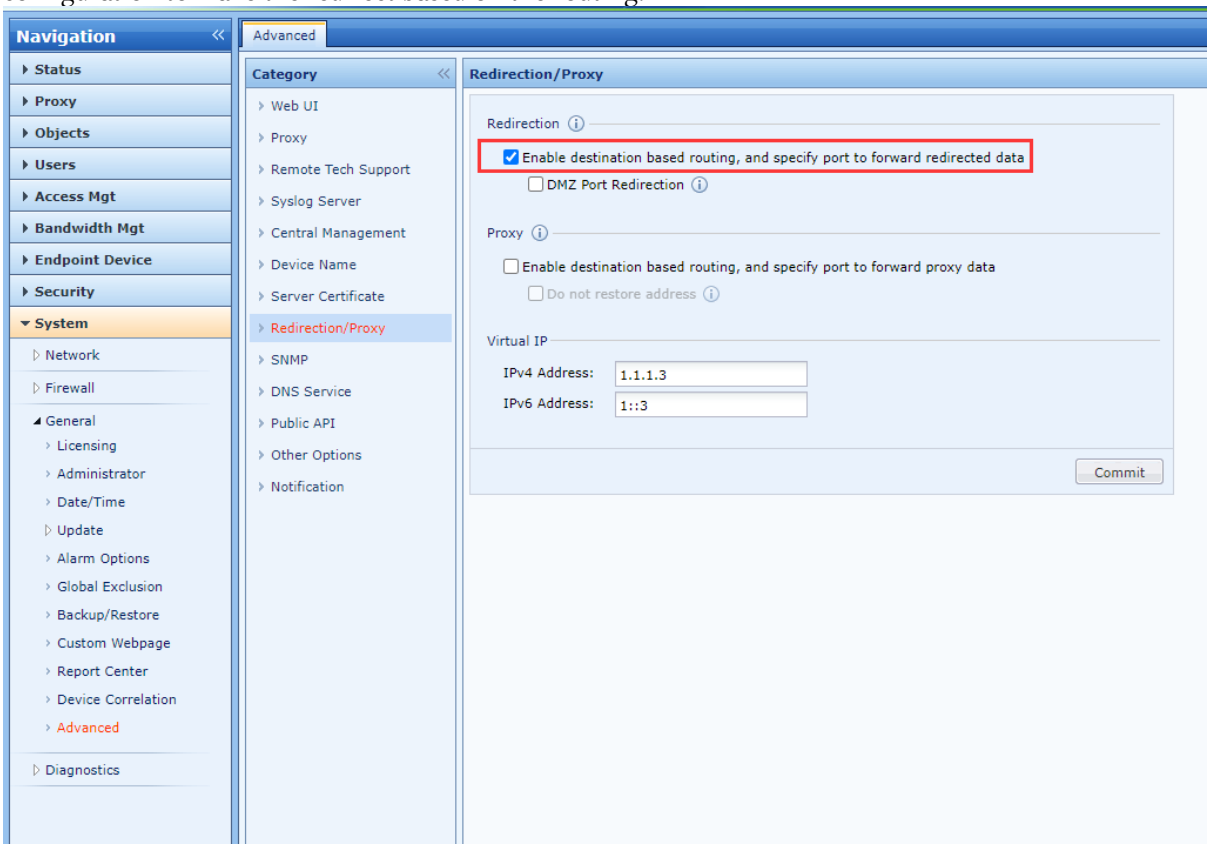
1. In order to ensure the endpoint device able to access to the domain name, the domain name required to resolve to **the device's actual IP address or virtual IP (Bridge mode)**, this required to configure in Internal DNS server or the endpoint device's host file.

   In this scenario, we configure the endpoint device's host file to make the device to redirect to the device IP address.
   Below is the host file configuration for the Microsoft Windows PC endpoint device, every type of endpoint OS has own configuration method, **it is recommended to resolve the domain name via the Internal DNS server.**

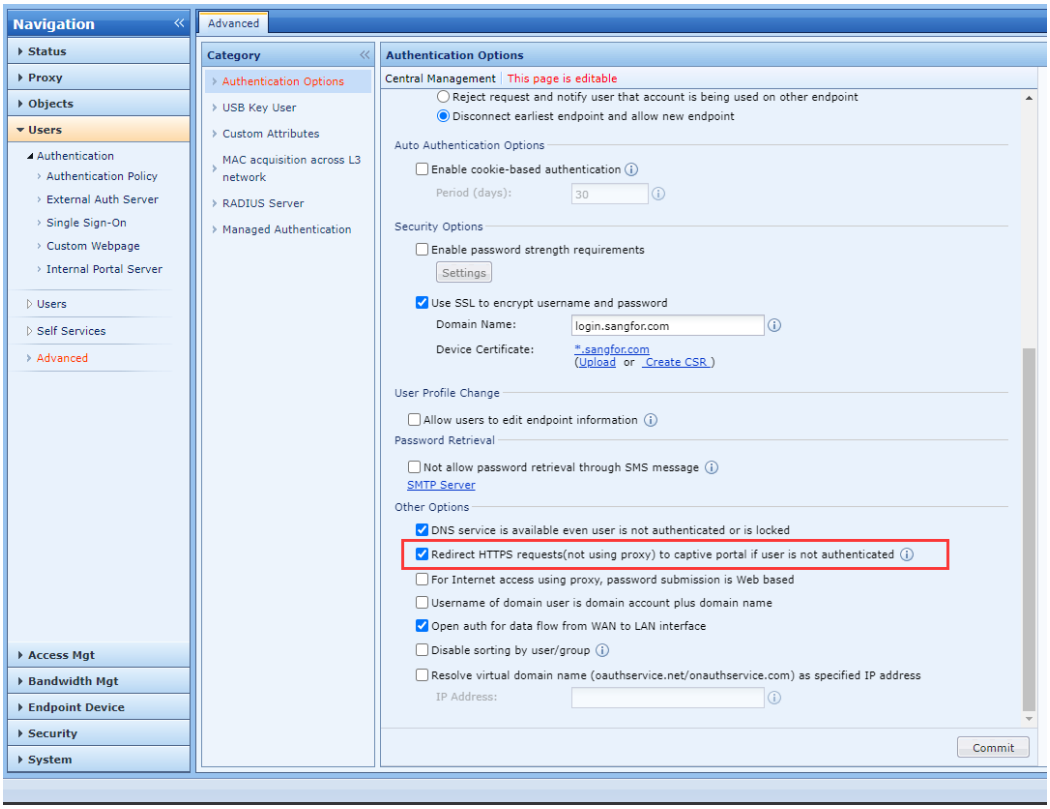
```
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#      102.54.94.97     rhino.acme.com          # source server
#       38.25.63.10     x.acme.com              # x client host

# localhost name resolution is handled within DNS itself.
#   127.0.0.1       localhost
#   ::1             localhost
1.1.1.3     iam.com
192.168.20.88 login.sangfor.com
```

2. In order to resolve the device and redirect to the actual IP address, you need to check the configuration to make the redirect based on the routing.



3. For the IAM 12.0.42 version has upgrade the https login page to support TLS 1.2 version, it is recommended to use this version and above to avoid the TLS warning from the latest version of web browser.
4. The port number used for the https login page is port 444.
5. For the redirection from the https page required to install the IAM SSL root cert to avoid prompt certification any errors.


Navigation
Status
Proxy
Objects
Users
Authentication
Authentication Policy
External Auth Server
Single Sign-On
Custom Webpage
Internal Portal Server
Users
Self Services
Advanced
Access Mgt
Bandwidth Mgt
Endpoint Device
Security
System
Advanced
Category
Authentication Options
USB Key User
Custom Attributes
MAC acquisition across L3 network
RADIUS Server
Managed Authentication
Authentication Options
Central Management | This page is editable
Reject request and notify user that account is being used on other endpoint
Disconnect earliest endpoint and allow new endpoint
Auto Authentication Options
Enable cookie-based authentication
Period (days):
30
Security Options
Enable password strength requirements
Settings
Use SSL to encrypt username and password
Domain Name:
login.sangfor.com
Device Certificate:
*.sangfor.com
(Upload or Create CSR)
User Profile Change
Allow users to edit endpoint information
Password Retrieval
Not allow password retrieval through SMS message
SMTP Server
Other Options
DNS service is available even user is not authenticated or is locked
Redirect HTTPS requests(not using proxy) to captive portal if user is not authenticated
For Internet access using proxy, password submission is Web based
Username of domain user is domain account plus domain name
Open auth for data flow from WAN to LAN interface
Disable sorting by user/group
Resolve virtual domain name (oauthservice.net/onauthservice.com) as specified IP address
IP Address:
Commit