



How to Use HTTPS Function of NVR

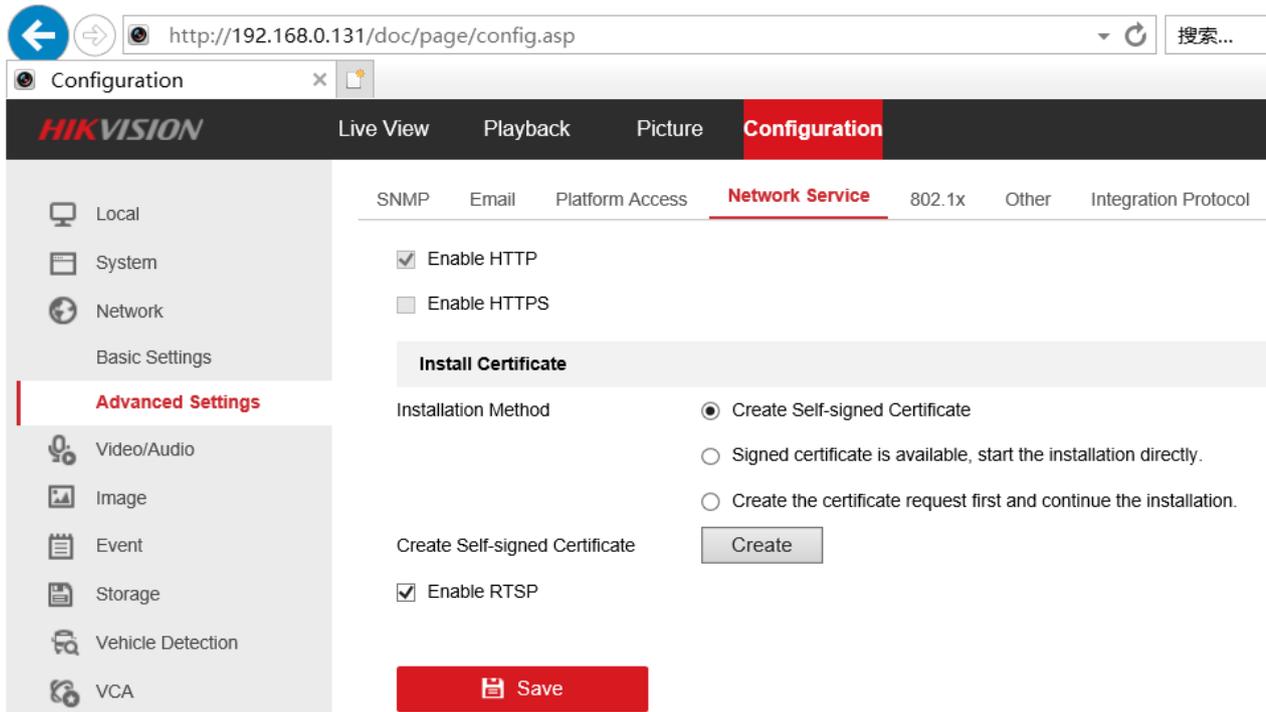
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How to Use HTTPS Function of NVR

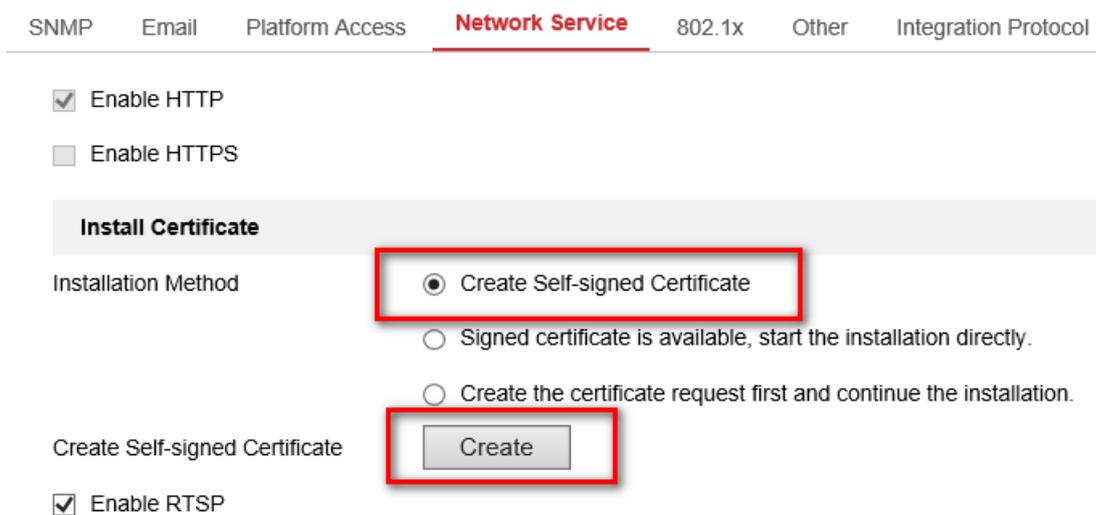
The function of HTTPS ensures the secure access of web services by adding digital signature certificate authentication. All series of NVRs support HTTPS function. This article takes k series NVR (DS-7608NI-K2 v4.30.061 build 210313) as an example to introduce how to use HTTPS function.

Method 1: Self-signed authentication

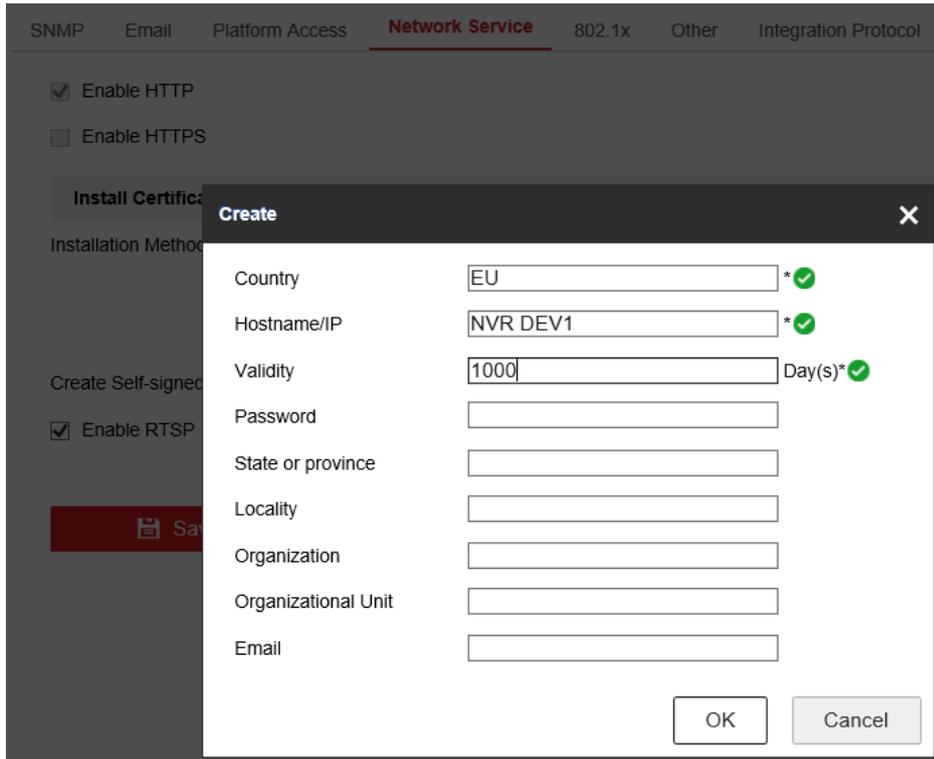
1. Configuration--Advanced Setting---Network Service



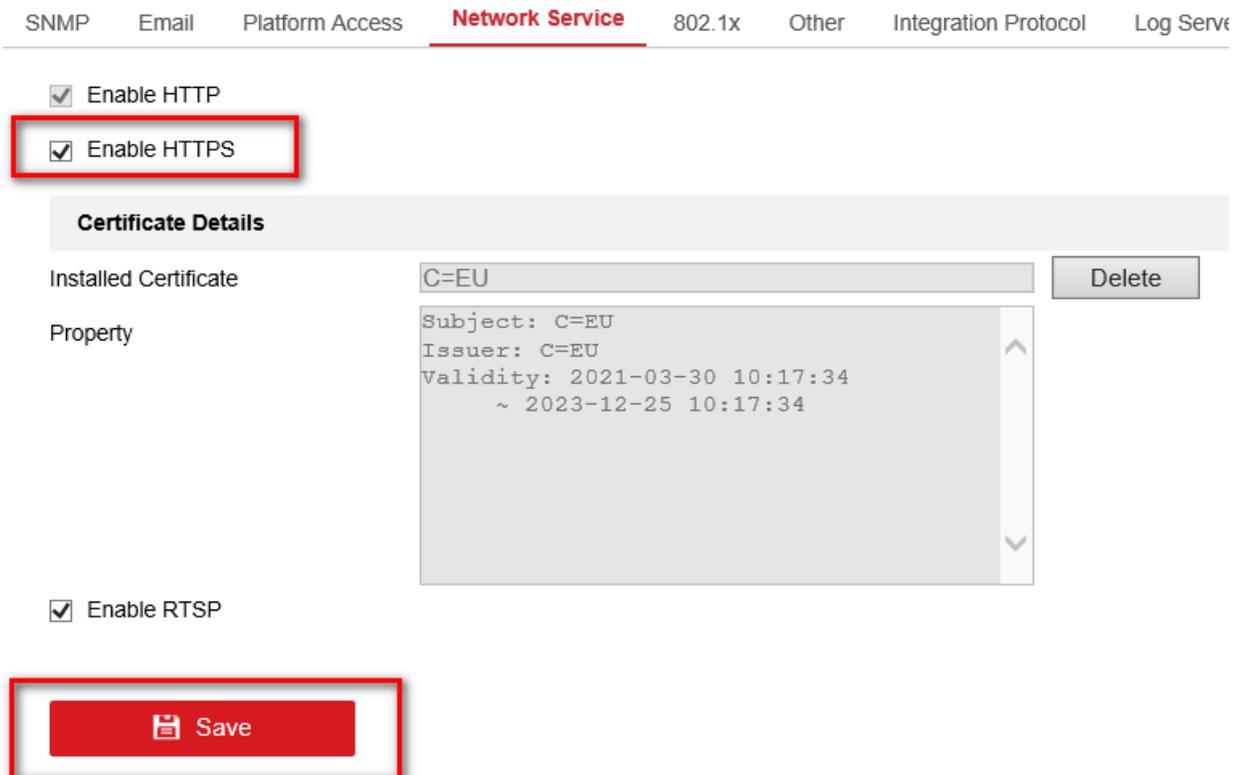
2. Create a self-signed certificate



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3. Enable HTTPS



4. After completion, you can access NVR by HTTPS.

Note: Since the self-signed certificate is not very secure, the browser will recognize it as "certificate prompt", which is normal. If the customer has high security requirements, it is recommended to use the third-party CA organization to sign the certificate.

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The screenshot shows the Hikvision NVR configuration interface. The 'Network Service' tab is selected, and the 'Certificate Details' section is expanded. It displays the following information:

- Installed Certificate:** C=EU
- Property:**

```
Subject: C=EU
Issuer: C=EU
Validity: 2021-03-30 10:17:34
~ 2023-12-25 10:17:34
```

Other settings visible include 'Enable HTTP' (checked), 'Enable HTTPS' (checked), and 'Enable RTSP' (checked).

Method 2: Signature authentication of third-party CA institutions

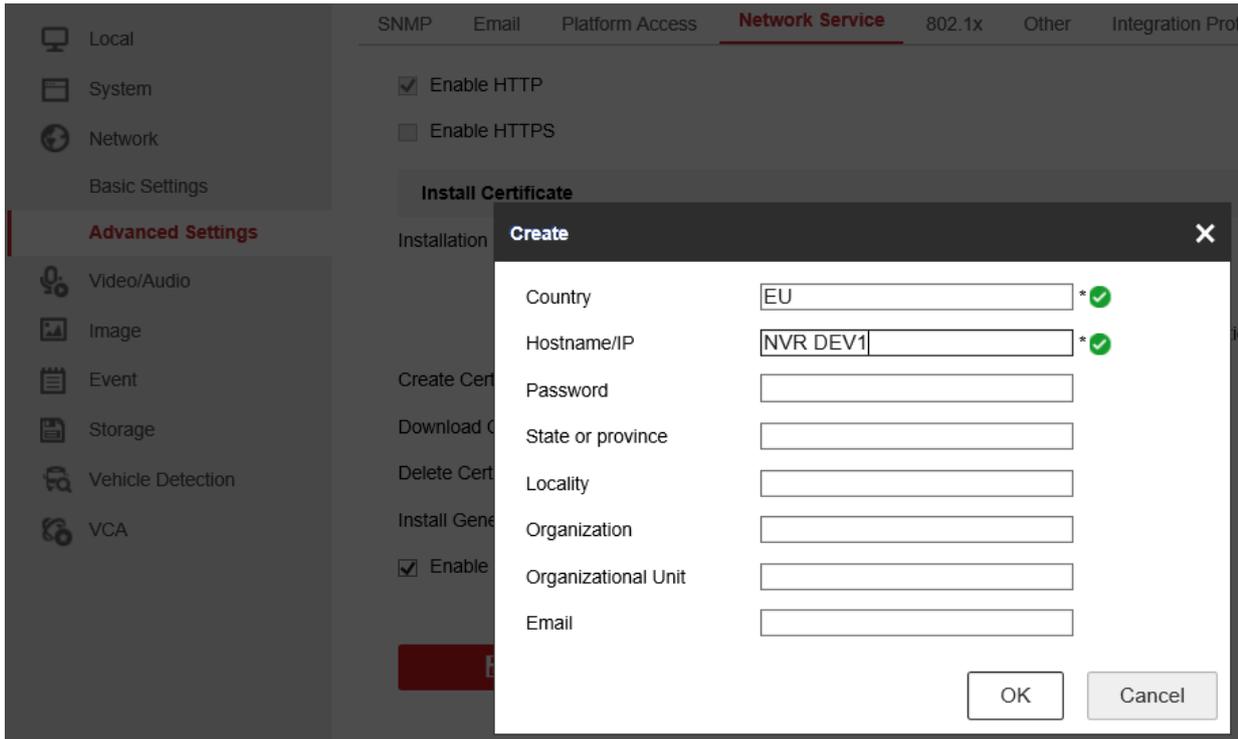
1. Create a certificate application file

The screenshot shows the 'Install Certificate' section of the Hikvision NVR configuration interface. The 'Installation Method' section has three radio button options:

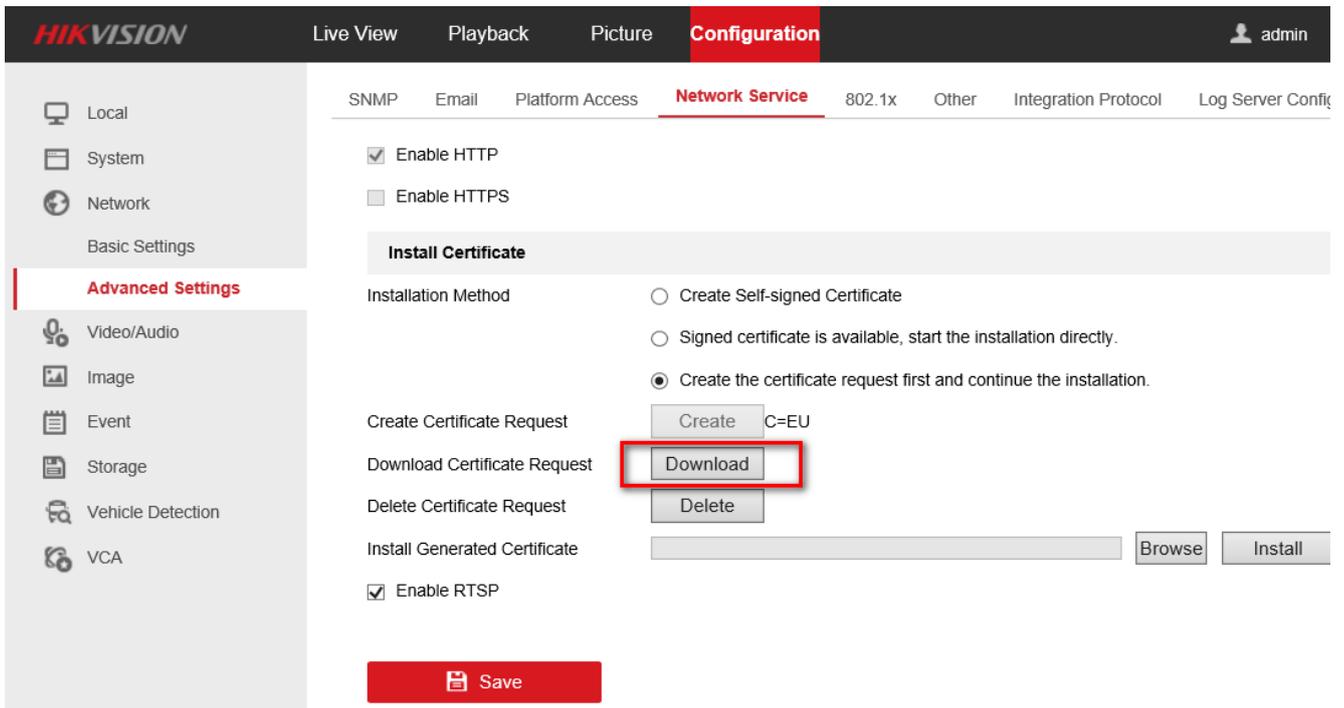
- Create Self-signed Certificate
- Signed certificate is available, start the installation directly.
- Create the certificate request first and continue the installation.

Below these options, the 'Create Certificate Request' section shows a 'Create' button and a 'No file.' button, both highlighted with a red box. Other buttons include 'Download', 'Delete', 'Browse', and 'Install'.

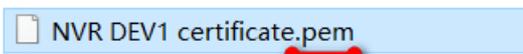
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- Download the certificate application file and submit it to the third-party CA organization for authentication.
Note: Please explain to CA certification authority that you need to apply for a certificate in PEM format.



- After receiving the certificate from the third-party CA certification authority (in the following form), import the certificate into NVR.



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- Enable HTTP
- Enable HTTPS

Install Certificate

- Installation Method
- Create Self-signed Certificate
 - Signed certificate is available, start the installation directly.
 - Create the certificate request first and continue the installation.

Create Certificate Request C=EU

Download Certificate Request

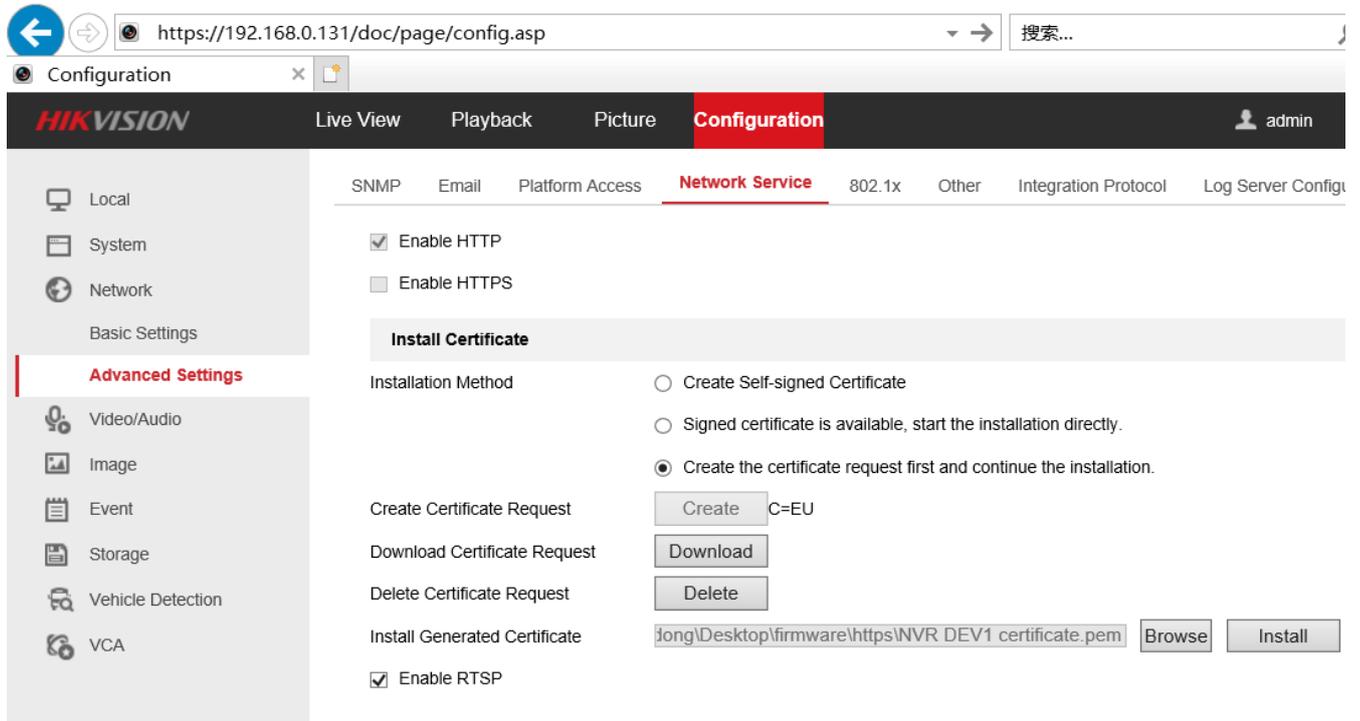
Delete Certificate Request

Install Generated Certificate

- Enable RTSP

4. After importing the certificate, you can access NVR by HTTPS.

Note: The certificate can only be used by the NVR that initiated the authentication, and cannot be used by other devices.





See Far, Go Further