

How to apply a private certificate for HTTPS

Using a private certificate means that the system owner wants to use their own certificate instead of BioStar 2 certificate for HTTPS communication. Therefore, it's necessary for the system owner to manage and refresh a certificate manually with BioStar settings.

Step 1. Set to use HTTPS from Setting - Server - Server Protocol.

• Web Server Protocol ☐ HTTP ☒ HTTPS

Step 2. Set to use a specific IP address for BioStar server from the same page.

• BioStar IP Address

*Note that the IP address should not be changed, because it can abort the private certificate settings and revert back to BioStar 2 certificate.

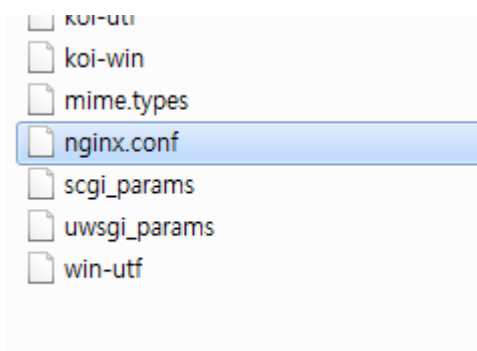
Step 3. Check HTTPS connectivity



Step 4. Stop BioStar Server from running.



Step5. Open the nginx.conf file at the nginx – conf location with text editor



Step 6. Check the contents whether they are as the same as below.

```
http {  
    ...  
    ssl                on;  
    ssl_certificate     biostar_cert.crt;  
    ssl_certificate_key biostar_cert.key;  
    ...  
}
```

Step 7. Copy and paste your private certificate and private key files to the same folder where nginx.conf file is located.

Step 8. Rename the ssl_certificate from biostar_cert.crt to your own certificate file name, and also rename the ssl_certificate_key from biostar_cert.key to your private key file name.

Step 9. Restart BioStar 2 server and check the HTTPS connection