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Projectobjects.com

How to install the SSL certificate on the PO Site

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# Scopo del Documento

Questo documento indica i passi da seguire per installare o aggiornare il certificato SSL del sito ProjectObjects.com

# Procedura

## How to connet with sftp

Download and install Filezilla (or other FTP client) from this URL: <https://filezilla-project.org/>

Follow the below instructions to connect to the PO site:

1. Open the “Site manager” (File -> Site manager)
2. Click on “New site” and fill in the fields as in the pictures:

A screenshot of a social media post

Description automatically generated

A screenshot of a cell phone

Description automatically generatedA screenshot of a social media post

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## certificates root

Here are the folders where you can find current certificates:

* **SSLCertificateFile**: /home/poadmin/SSLCert/cert/**ssl\_certificate**.crt
* **SSLCertificateKeyFile**: /home/poadmin/SSLCert/www.projectobjects.com.key
* **SSLCertificateChainFile**: /home/poadmin/SSLCert/cert/**IntermediateCA**.crt

To update above folders you can change the values in this file:

/opt/bitnami/apache2/conf/bitnami/bitnami.conf

## Install/update certificates

1. Open console (PowerShell or others)
2. Login to ProjectObjects Site:
   1. **ssh** [**poadmin@13.80.128.135**](mailto:poadmin@13.80.128.135)
   2. enter the password: **ThisIsMonza2006!**
3. Generate private key:
   1. **sudo openssl genrsa -out /home/poadmin/SSLCert/www.projectobjects.com.key 2048**
4. Generate csr file:
   1. **sudo openssl req -new -key /home/poadmin/SSLCert/www.projectobjects.com.key -out** **/home/poadmin/SSLCert/cert.csr**
5. Fill the request fields whit these answers:
   1. Common Name = po-live.com
   2. Organization = Project Objects Ltd.
   3. Lolation = Kells
   4. State or province = Co Meath
   5. Country name = IE
   6. Email = you can leave this option blank (press enter) or you can insert your mail
   7. A challenge password = Leave this option blank (press enter)
6. Send /home/poadmin/SSLCert/cert.csr to the certificate authority.
7. When the certificate authority completes their checks (and probably received payment from you), they will hand over your new certificate to you.
8. Until the certificate is received, create a temporary self-signed certificate and follow
   1. **sudo openssl x509 -in /home/poadmin/SSLCert/cert.csr -out /home/poadmin/SSLCert/cert/ssl\_certificate.crt -req -signkey /home/poadmin/SSLCert/www.projectobjects.com.key -days 365**
9. Back up your private key in a safe location after generating a password-protected version as follows
   1. **sudo openssl rsa -des3 -in /home/poadmin/SSLCert/www.projectobjects.com.key -out** [**www.projectobjects.com.**pem](http://www.projectobjects.com.pem)
10. When certificates arrive, you will receive these two files:
    1. ssl\_certificate.crt
    2. IntermediateCA.crt
11. Move these files into this folder:
    1. /home/poadmin/SSLCert/cert
12. run this command:
    1. **sudo openssl rsa -in www.projectobjects.com.pem -out /home/poadmin/SSLCert/www.projectobjects.com.key**
13. run this command to restart apache:
    1. **sudo /opt/bitnami/ctlscript.sh restart apache**

Check if the site it’s ok!