Self-signed cert System Admin Install Guide

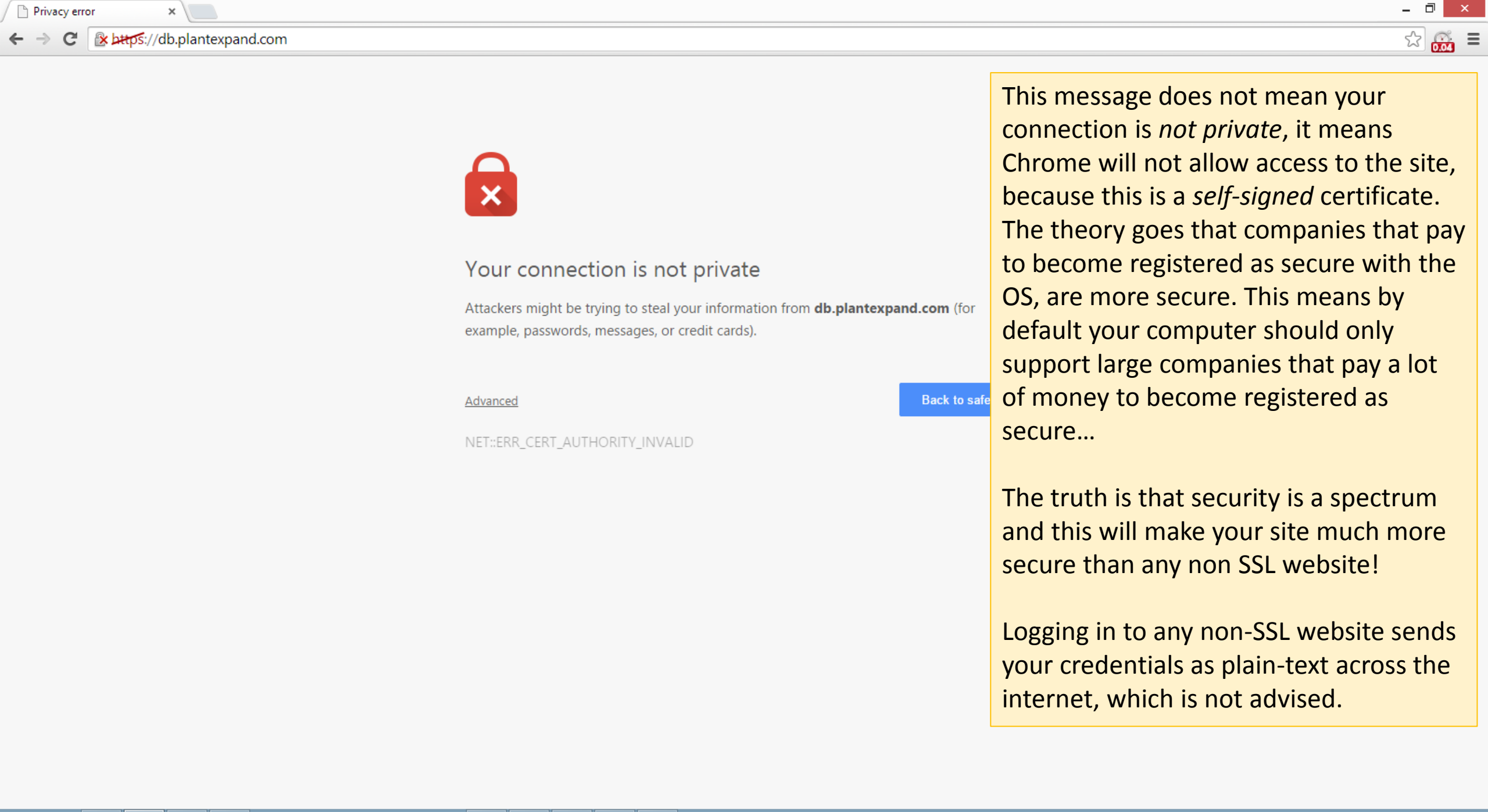
Installing a self-signed SSL certificate

- CODESIGN2 Always endeavours to offer the upmost *security standards-compliant* service it can while remaining *compatible* with technologies we know our clients use.
- We offer **EVERY** client an SSL certificate for any web-based service.
- Most SSL certificates do add to the price of the service.
- Most clients have historically *opted-out* of using SSL certificates due to the cost(s) advised.
- We want **EVERY** customer to be as secure as possible.
- Paired with these certificates is our *enterprise-grade* application and platform security.

Disclaimer

- This guide visually aims to help any IT systems administrator or qualified IT professional to install self-signed certificates.
- This should probably not be attempted by general staff.
- We can set this up for any clients with a support retainer with on-site coverage.
- Unfortunately we cannot set this up without a support retainer with on-site coverage due to the cost and logistics required.

- If you feel you do need additional support in *implementing* this guide, please phone **+44 (0) 2033 22 82 74** between 10am and 4pm, Monday to Friday *(UK time)* or contact your account handler.



This message does not mean your connection is *not private*, it means Chrome will not allow access to the site, because this is a *self-signed* certificate. The theory goes that companies that pay to become registered as secure with the OS, are more secure. This means by default your computer should only support large companies that pay a lot of money to become registered as secure…

The truth is that security is a spectrum and this will make your site much more secure than any non SSL website!

Logging in to any non-SSL website sends your credentials as plain-text across the internet, which is not advised.

Privacy error

https://db.plantexpand.com

Start by clicking on the padlock in the address bar (it should have a cross)

The identity of this website has not been verified.
• Server's certificate is not trusted.
Certificate information

Your connection to db.plantexpand.com is encrypted with 128-bit encryption.

Site information
You have never visited this site before today.

What do these mean?

Your connection is not private

Attackers might be trying to steal your information from **db.plantexpand.com** (for example, passwords, messages, or credit cards).

Advanced

Back to safety

NET::ERR_CERT_AUTHORITY_INVALID

08:24

Privacy error

https://db.plantexpand.com

db.plantexpand.com
Identity not verified

Permissions | **Connection**

The identity of this website has not been verified.
• Server's certificate is not trusted.
Certificate information

Your connection ...d.com is encrypted with 12... n.

Site information
You have never visited this site before today.

What do these mean?

Click on “Certificate Information”

Certificate

General | Details | Certification Path

Certificate Information

This CA Root certificate is not trusted. To enable trust, install this certificate in the Trusted Root Certification Authorities store.

Issued to: db.plantexpand.com

Issued by: db.plantexpand.com

Valid from 22/12/2014 **to** 22/12/2015

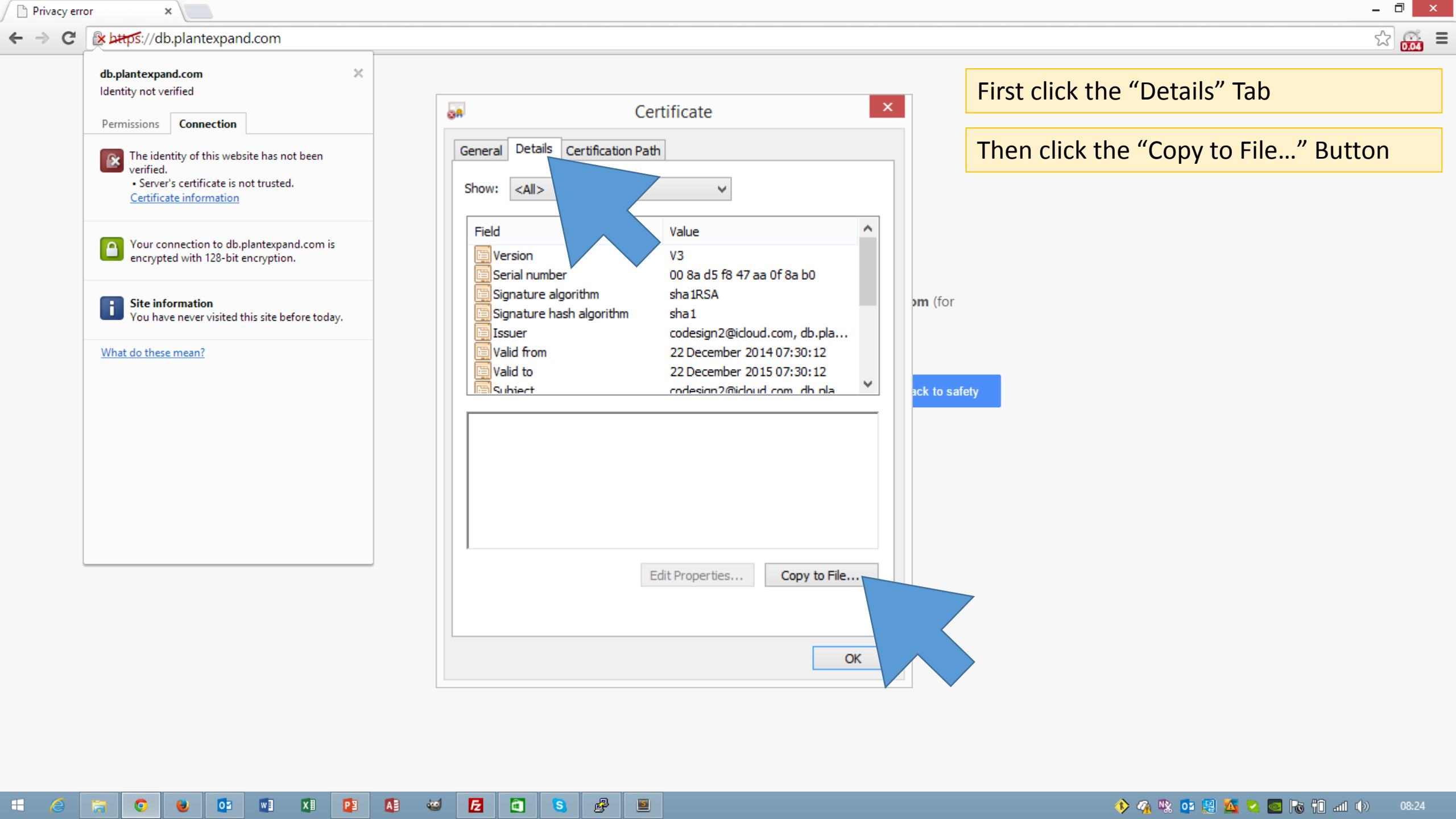
Issuer Statement

OK

...om (for

...ack to safety

08:24


Privacy error
https://db.plantexpand.com
db.plantexpand.com
Identity not verified
Permissions
Connection
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• Server's certificate is not trusted.
Certificate information
Your connection to db.plantexpand.com is encrypted with 128-bit encryption.
Site information
You have never visited this site before today.
What do these mean?
Certificate
General
Details
Certification Path
Show:
<All>
Field
Value
Version
V3
Serial number
00 8a d5 f8 47 aa 0f 8a b0
Signature algorithm
sha1RSA
Signature hash algorithm
sha1
Issuer
codesign2@icloud.com, db.pla...
Valid from
22 December 2014 07:30:12
Valid to
22 December 2015 07:30:12
Edit Properties...
Copy to File...
OK
First click the “Details” Tab
Then click the “Copy to File...” Button

Privacy error

https://db.plantexpand.com

db.plantexpand.com
Identity not verified

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What do these mean?

Proceed using the "Next" Button

Certificate Export Wizard

Welcome to the Certificate Export Wizard

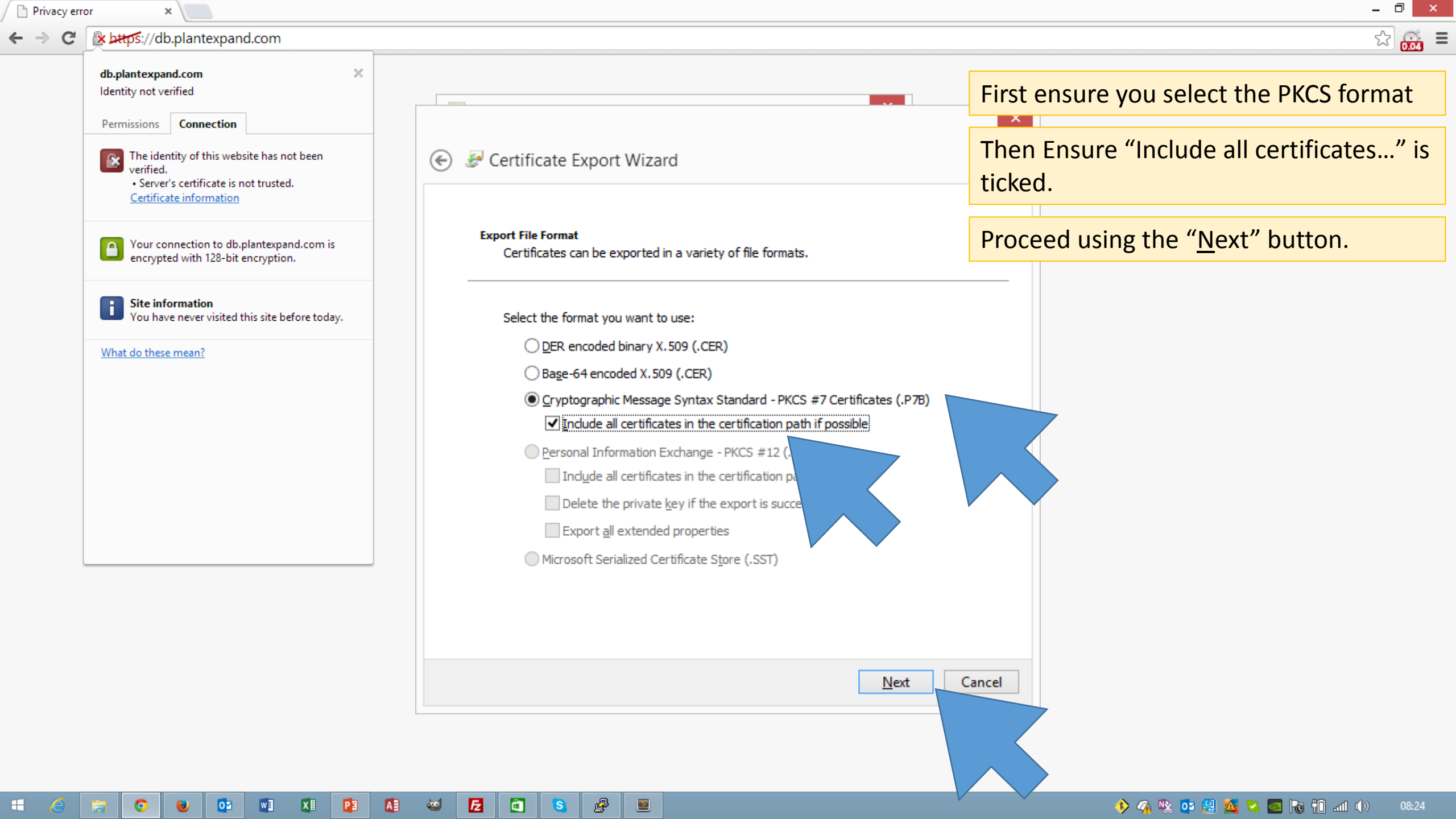
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.

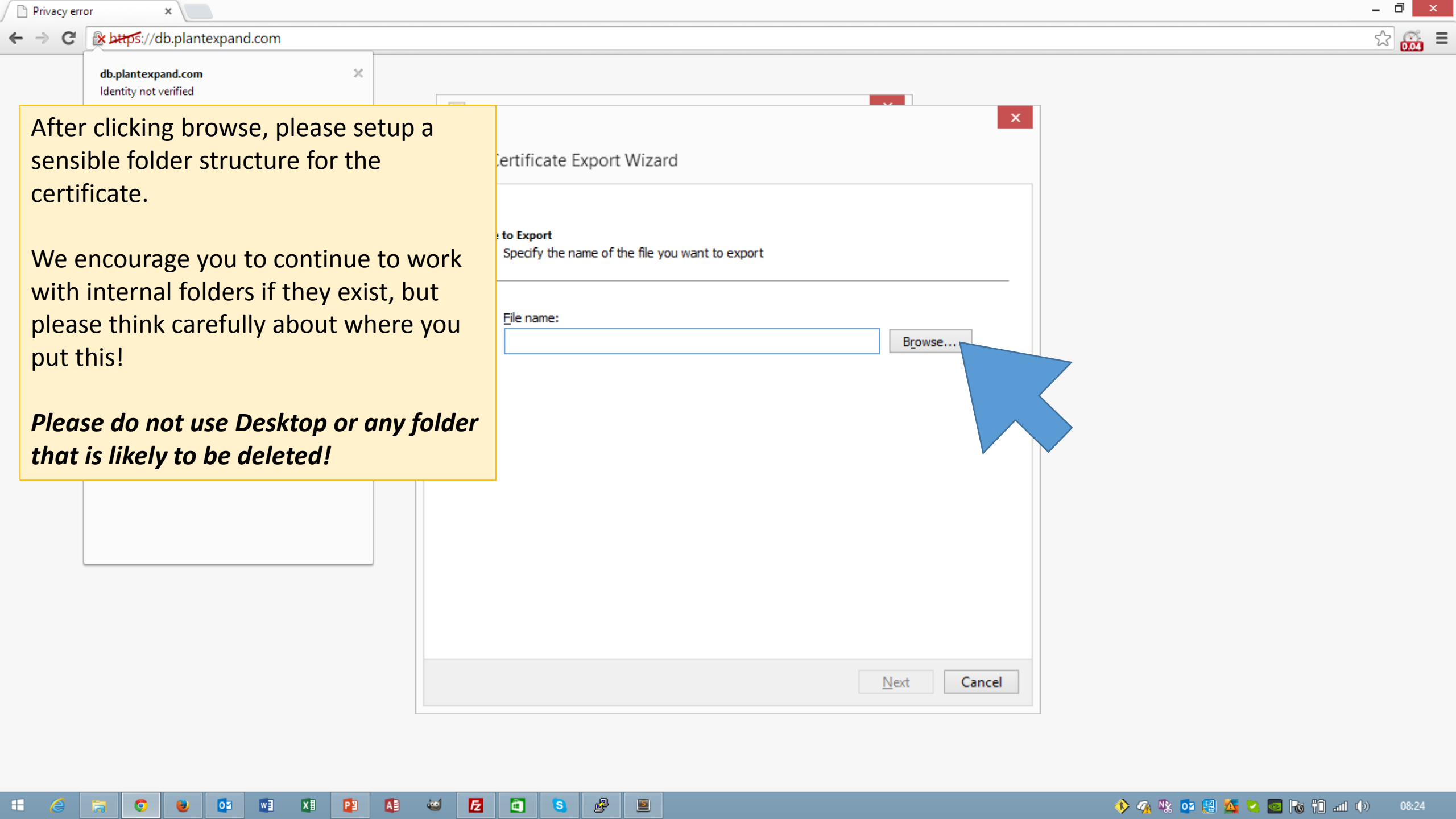
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

To continue, click Next.

Next | Cancel

08:24


Privacy error
https://db.plantexpand.com
db.plantexpand.com
Identity not verified
Permissions
Connection
The identity of this website has not been verified.
• Server's certificate is not trusted.
Certificate information
Your connection to db.plantexpand.com is encrypted with 128-bit encryption.
Site information
You have never visited this site before today.
What do these mean?
Certificate Export Wizard
Export File Format
Certificates can be exported in a variety of file formats.
Select the format you want to use:
DER encoded binary X.509 (.CER)
Base-64 encoded X.509 (.CER)
Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
Include all certificates in the certification path if possible
Personal Information Exchange - PKCS #12 (.
Include all certificates in the certification pa
Delete the private key if the export is succe
Export all extended properties
Microsoft Serialized Certificate Store (.SST)
Next
Cancel
First ensure you select the PKCS format
Then Ensure “Include all certificates…” is ticked.
Proceed using the “Next” button.



After clicking browse, please setup a sensible folder structure for the certificate.

We encourage you to continue to work with internal folders if they exist, but please think carefully about where you put this!

Please do not use Desktop or any folder that is likely to be deleted!

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Site information
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What do these mean?

Certificate Export Wizard

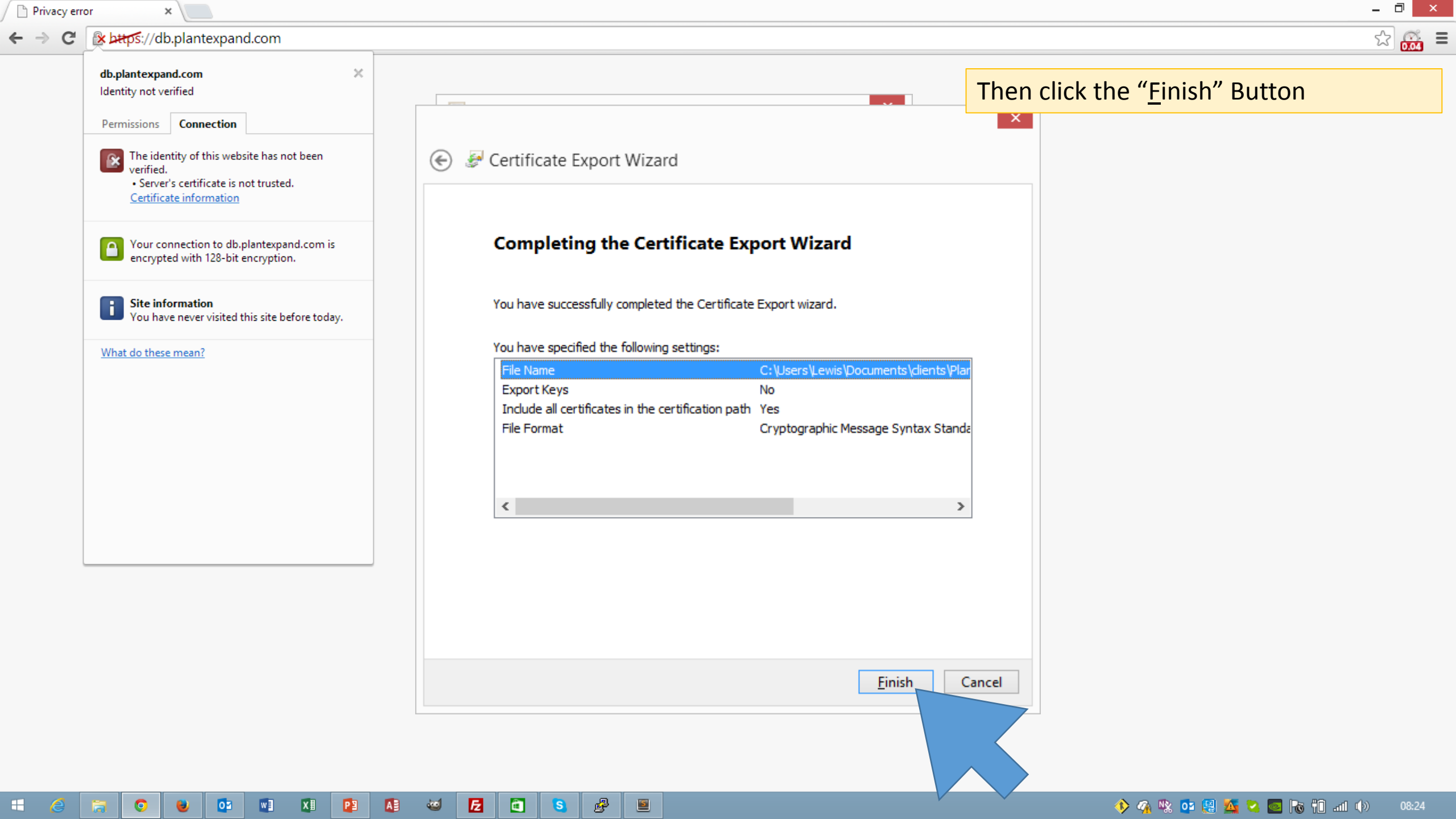
File to Export
Specify the name of the file you want to export

File name:
C:\Users\Lewis\Documents\clients\PlantExpand LTD\certificates\pla
Browse...

Next | Cancel

Once an appropriate destination is selected we advise our clients to proceed with the "Next" Button

08:24


Privacy error
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db.plantexpand.com
Identity not verified
Permissions
Connection
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• Server's certificate is not trusted.
Certificate information
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Site information
You have never visited this site before today.
What do these mean?
Certificate Export Wizard
Completing the Certificate Export Wizard
You have successfully completed the Certificate Export wizard.
You have specified the following settings:
File Name C:\Users\Lewis\Documents\clients\Plar
Export Keys No
Include all certificates in the certification path Yes
File Format Cryptographic Message Syntax Standa
Finish
Cancel
Then click the "Finish" Button
08:24

Privacy error

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Identity not verified

Permissions | **Connection**

The identity of this website has not been verified.
• Server's certificate is not trusted.
Certificate information

Your connection to db.plantexpand.com is encrypted with 128-bit encryption.

Site information
You have never visited this site before today.

What do these mean?

Click the “OK” Button

Certificate Export Wizard

Completing the Certificate Export Wizard

You have successfully completed the Certificate Export wizard.

You have specified

File Name
Export Keys
Include all certifica
File Format

ocuments\clients\Plan
ssage Syntax Standa

Certificate Export Wizard

The export was successful.

OK

Finish | Cancel

08:24

Privacy error

https://db.plantexpand.com

Proceed using the “Next” Button

Your connection is not private

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Advanced

Back to safety

NET::ERR_CERT_AUTHORITY_INVALID

New tab Ctrl+T

Bookmarks

Recent Tabs

Relaunch Chrome in Windows 8 mode

Edit Cut Copy Paste

Save page as... Ctrl+S

Find... Ctrl+F

Print... Ctrl+P

Zoom − 100% +

History Ctrl+H

Downloads Ctrl+J

Sign in to Chrome...

Settings

About Google Chrome

Help

More tools

Exit Ctrl+Shift+Q

08:36

Privacy error | Settings

chrome://settings

Chrome

History

Extensions

Settings

About

Settings

Search settings

Scroll down until you reach the bottom

Sign in

Sign in to Google Chrome with your Google Account to save your personalized browser features to the web and access them from Google Chrome on any computer. You'll also be automatically signed in to your favorite Google services. Learn more

Sign in to Chrome

On startup

- (•) Open the New Tab page
- ( ) Continue where you left off
- ( ) Open a specific page or set of pages. Set pages

Appearance

Get themes | Reset to default theme

- [ ] Show Home button
- [ ] Always show the bookmarks bar

Search

Set which search engine is used when searching from the omnibox.

Google | Manage search engines...

People

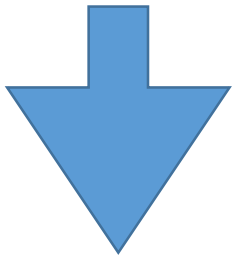
You are currently the only Google Chrome user.

- [x] Enable Guest browsing
- [x] Enable user creation from the profile manager

Add person... | Delete this person | Import bookmarks and settings...

Default browser

Make Google Chrome the default browser



08:37

Privacy error | Settings

chrome://settings

Chrome

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Google services. Learn more

Sign in to Chrome

On startup

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Continue where you left off

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Always show the bookmarks bar

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Set which search engine is used when searching from the omnibox.

Google | Manage search engines...

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You are currently the only Google Chrome user.

Enable Guest browsing

Enable user creation from the profile manager

Add person... | Delete this person | Import bookmarks and settings...

Default browser

Make Google Chrome th... er

Google Chrome is not cu... t browser.

Show advanced settings...

Then click on the “Show advanced settings…” link

08:38

Privacy error | Settings

chrome://settings

Chrome

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About

Settings

Search settings

Change how Chrome handles and displays languages. Learn more

Language and input settings...

Offer to translate pages that aren't in a language you read. Manage languages

Downloads

Download location: C:\Users\Lewis\Downloads Change...

Ask where to save each file before downloading

HTTPS/SSL

Manage certificates...

Google Cloud Print

Set up or manage printers in G t. Learn more

Manage

Show notifications when new printers are detected on the network

Accessibility

Add additional accessibility features

System

Continue running background apps when Google Chrome is closed

Use hardware acceleration when available

Reset settings

Restore settings to their original defaults.

Reset settings

Hide advanced settings...

This will reveal some hidden settings.

Scroll to the bottom, or until you see the HTTPS/SSL section

Click the “Manage Certificates” Button

08:39

Privacy error | Settings

chrome://settings

Chrome

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Search settings

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Language and input settings...

Offer to translate pages that aren't in a language you

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Download location: C:\Users\Lewis\Downloads

Ask where to save each file before downloading

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Show notifications when new printers are detected or

Accessibility

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Continue running background apps when Google Ch

Use hardware acceleration when available

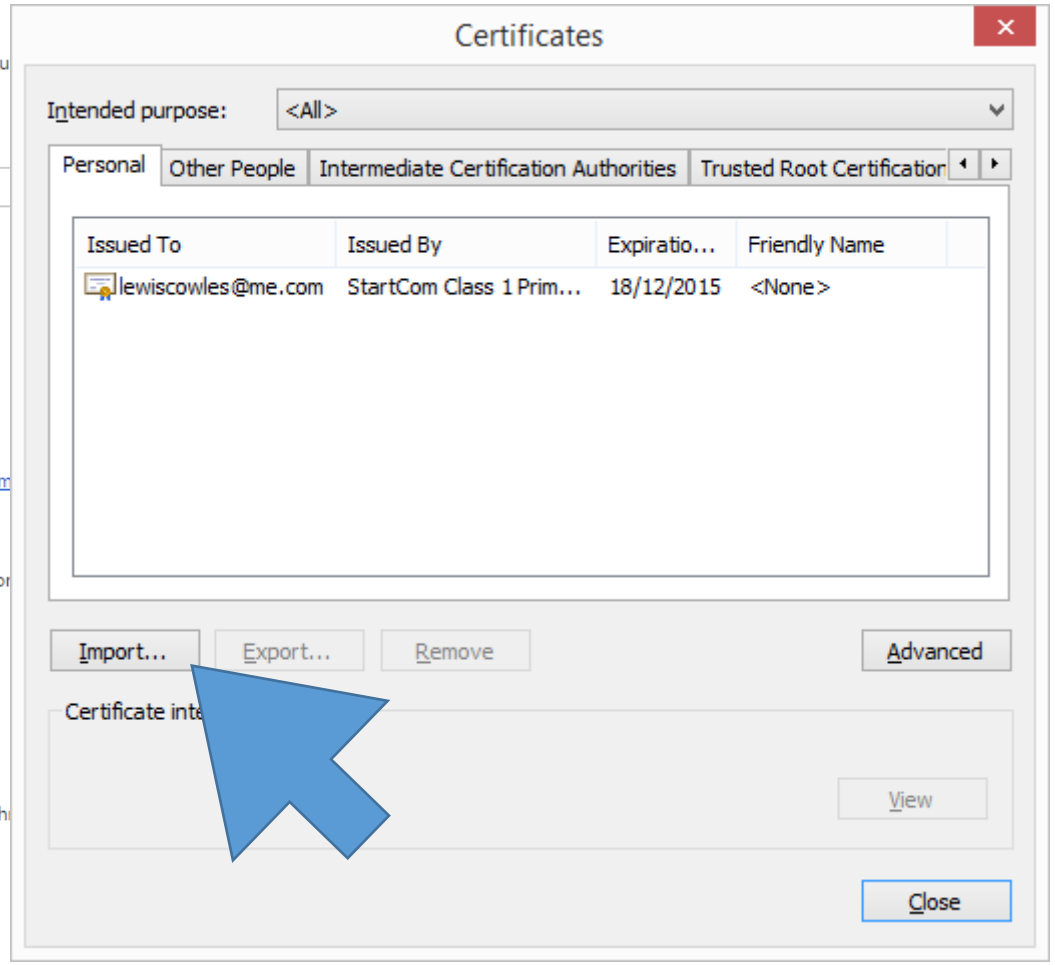
Reset settings

Restore settings to their original defaults.

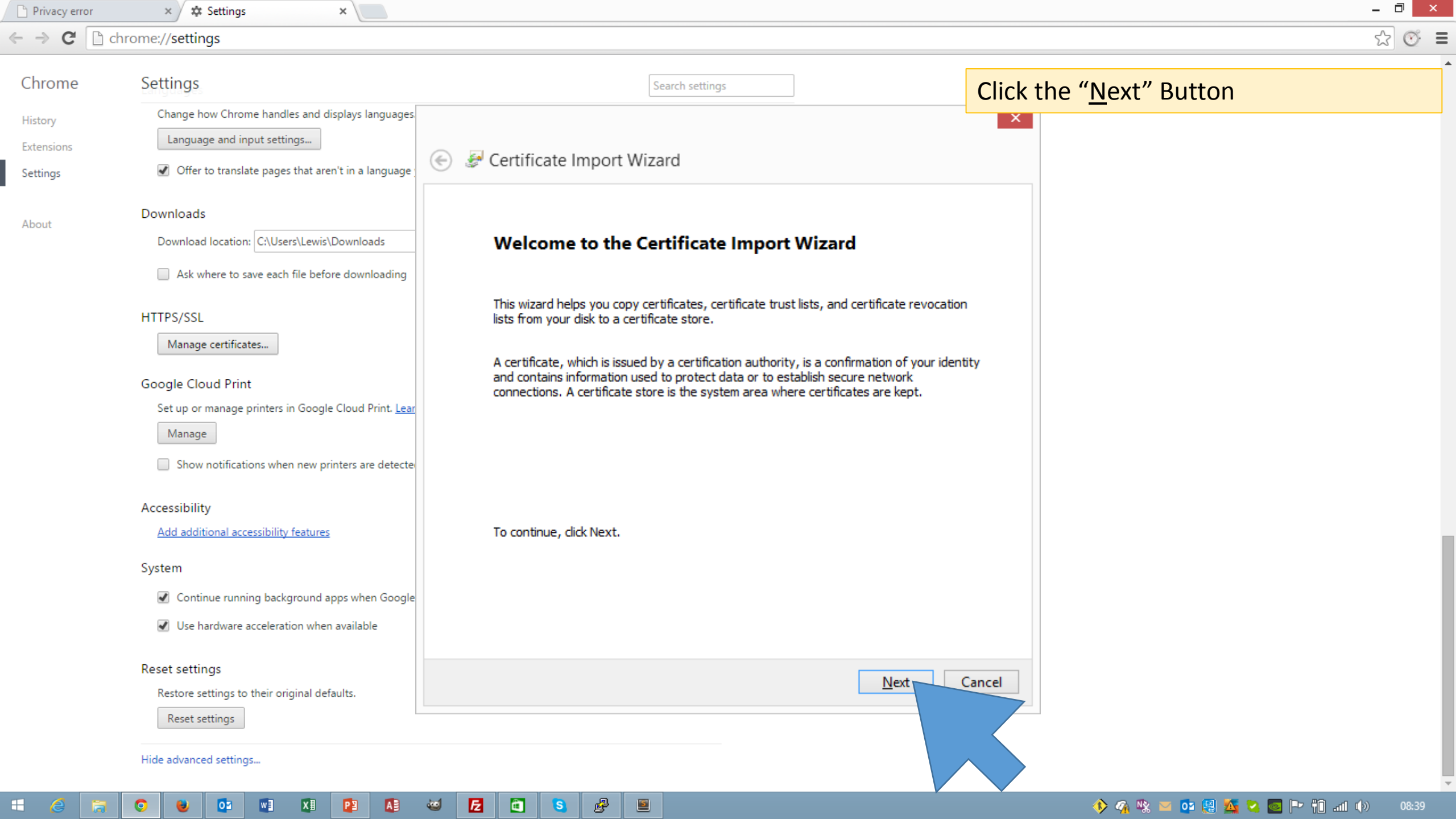
Reset settings

Hide advanced settings...

Click the "Import" Button



08:39


Privacy error
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Change how Chrome handles and displays languages.
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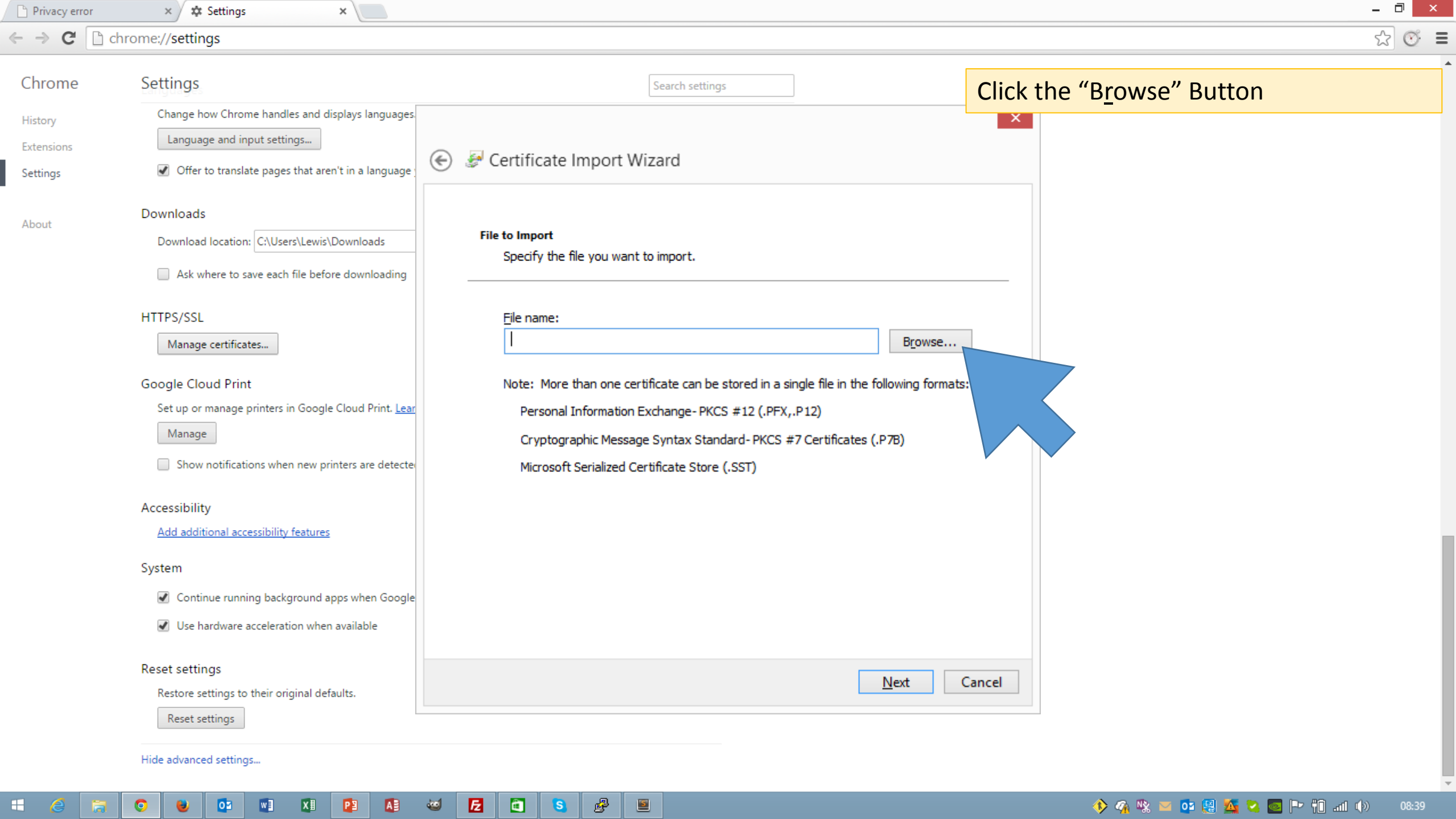
Continue running background apps when Google
Use hardware acceleration when available
Reset settings
Restore settings to their original defaults.
Reset settings
Hide advanced settings...
Certificate Import Wizard
Welcome to the Certificate Import Wizard
This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
To continue, click Next.
Next
Cancel
Click the “Next” Button
08:39


Privacy error
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Search settings
Change how Chrome handles and displays languages.
Language and input settings...
Offer to translate pages that aren't in a language
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Ask where to save each file before downloading
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Set up or manage printers in Google Cloud Print.
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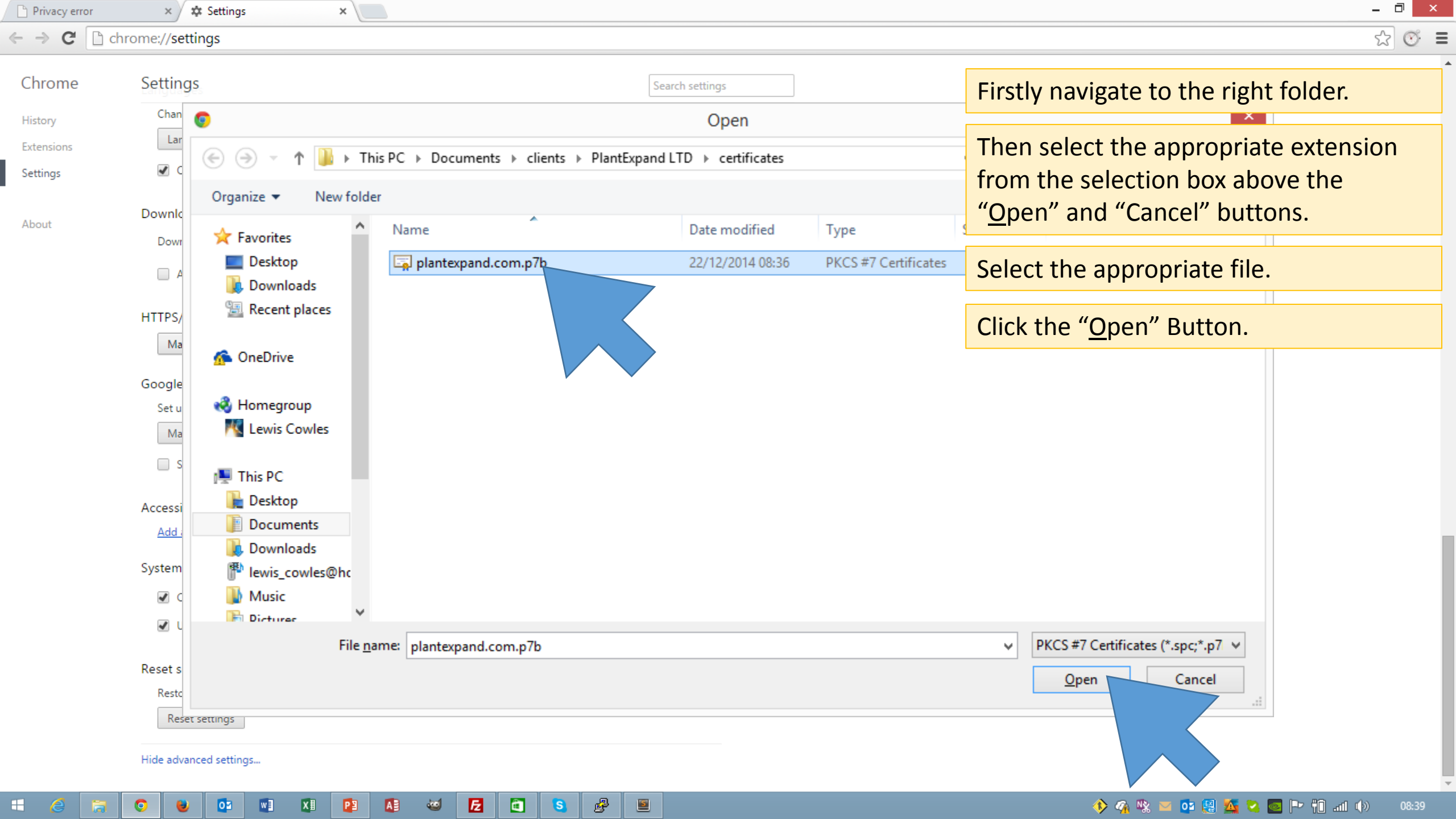
System
Continue running background apps when Google
Use hardware acceleration when available
Reset settings
Restore settings to their original defaults.
Reset settings
Hide advanced settings...
Certificate Import Wizard
File to Import
Specify the file you want to import.
File name:
Browse...
Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)
Microsoft Serialized Certificate Store (.SST)
Next
Cancel
Click the “Browse” Button
08:39


Privacy error
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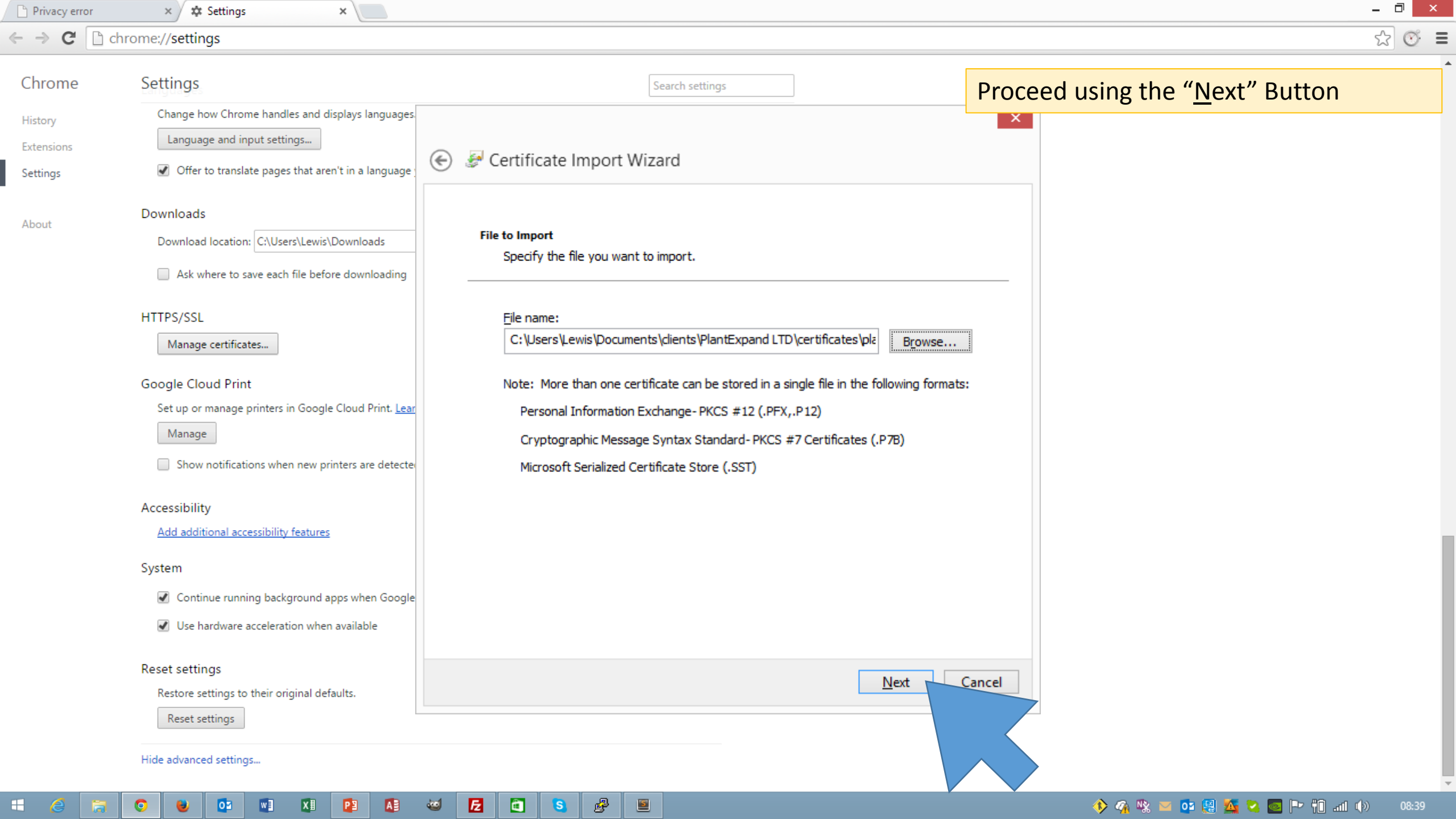
Search settings
Open
This PC ▸ Documents ▸ clients ▸ PlantExpand LTD ▸ certificates
Organize
New folder
Favorites
Desktop
Downloads
Recent places
OneDrive
Homegroup
Lewis Cowles
This PC
Desktop
Documents
Downloads
lewis_cowles@hc
Music
Name
Date modified
Type
plantexpand.com.p7b
22/12/2014 08:36
PKCS #7 Certificates
File name:
plantexpand.com.p7b
PKCS #7 Certificates (*.spc;*.p7
Open
Cancel
Reset settings
Hide advanced settings...
Firstly navigate to the right folder.
Then select the appropriate extension from the selection box above the “Open” and “Cancel” buttons.
Select the appropriate file.
Click the “Open” Button.
08:39


Privacy error
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Use hardware acceleration when available
Reset settings
Restore settings to their original defaults.
Reset settings
Hide advanced settings...
Certificate Import Wizard
File to Import
Specify the file you want to import.
File name:
C:\Users\Lewis\Documents\clients\PlantExpand LTD\certificates\pla
Browse...
Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
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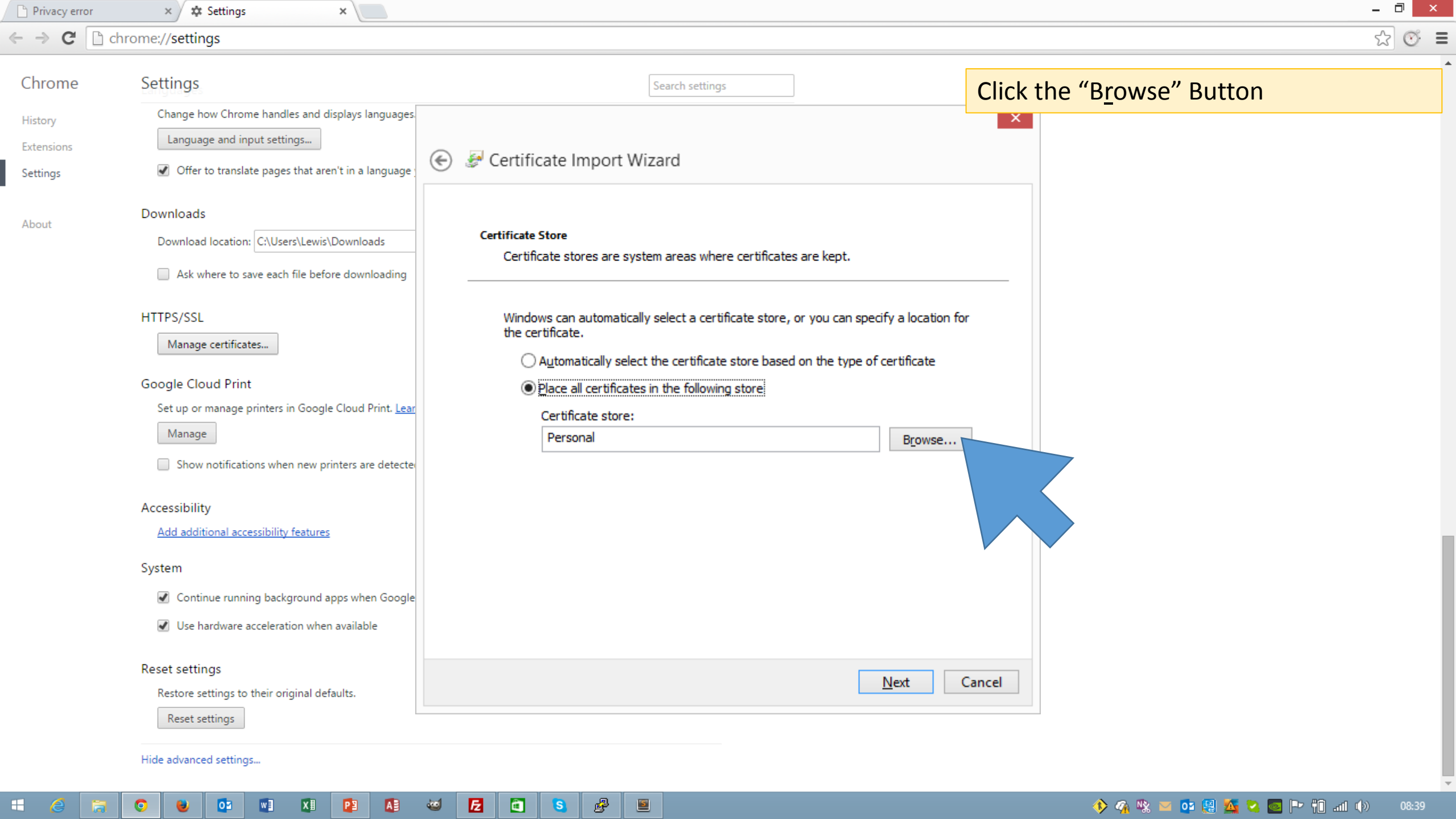
Microsoft Serialized Certificate Store (.SST)
Next
Cancel
Proceed using the “Next” Button
08:39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Reset settings
Hide advanced settings...
Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Personal
Browse...
Next
Cancel
Click the “Browse” Button
08:39

Privacy error | Settings

chrome://settings

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Change how Chrome handles and displays languages.

Language and input settings...

Offer to translate pages that aren't in a language

Downloads

Download location: C:\Users\Lewis\Downloads

Ask where to save each file before downloading

HTTPS/SSL

Manage certificates...

Google Cloud Print

Set up or manage printers in Google Cloud Print. Lear

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Show notifications when new printers are detecte

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Continue running background apps when Google

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Reset settings

Restore settings to their original defaults.

Reset settings

Hide advanced settings...

Certificate Import Wizard

Certificate Store

Certificate

Windows

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wse...

Select Certificate Store

Select the certificate store you want to use.

Personal

Trusted Root Certification Authorities

Enterprise Trust

Intermediate Certification Authorities

Trusted Publishers

Untrusted Certificates

Show physical stores

OK

Cancel

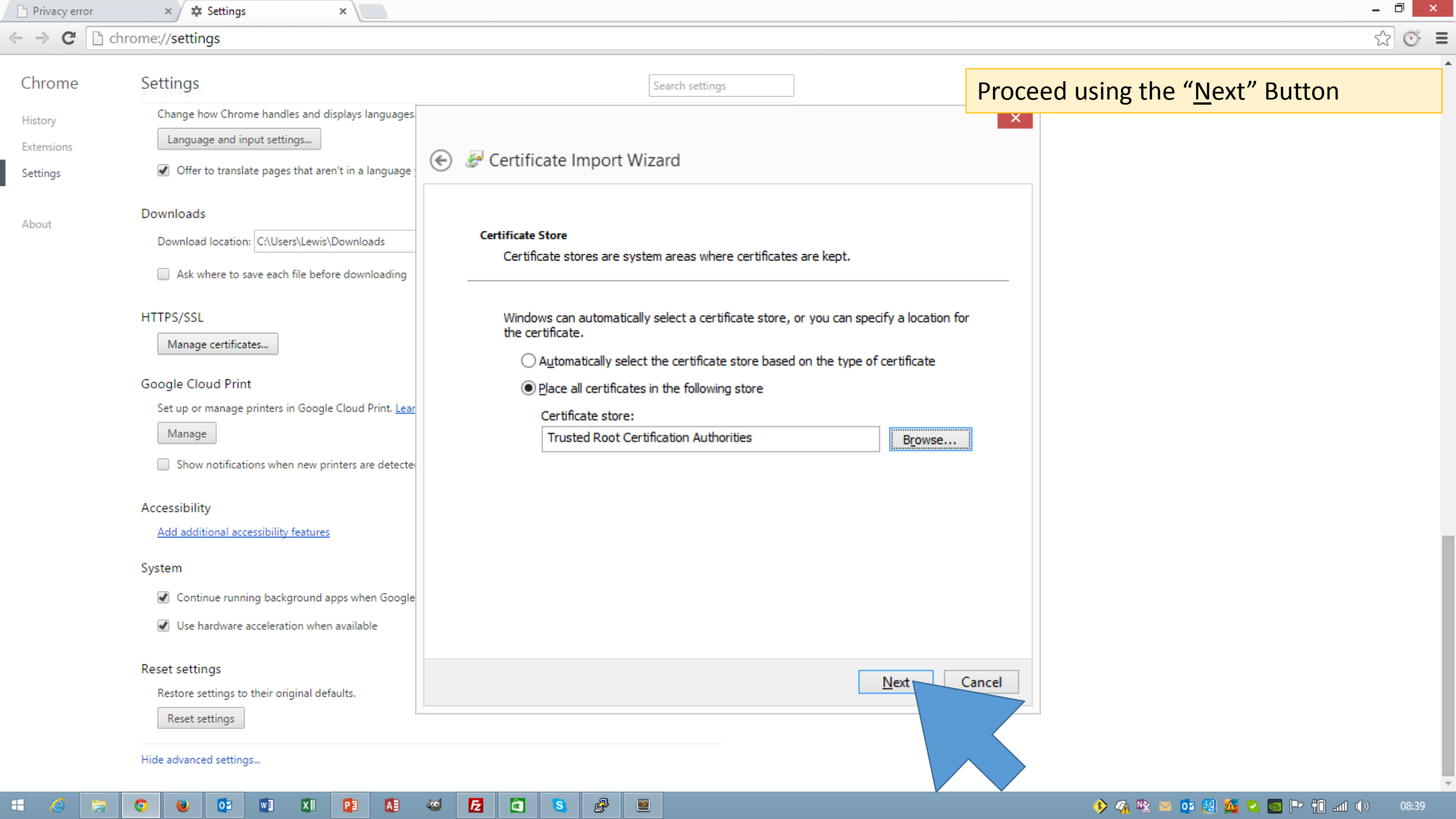
Next

Cancel

Select
“Trusted Root Certification Authorities”

Click the “OK” Button

08:39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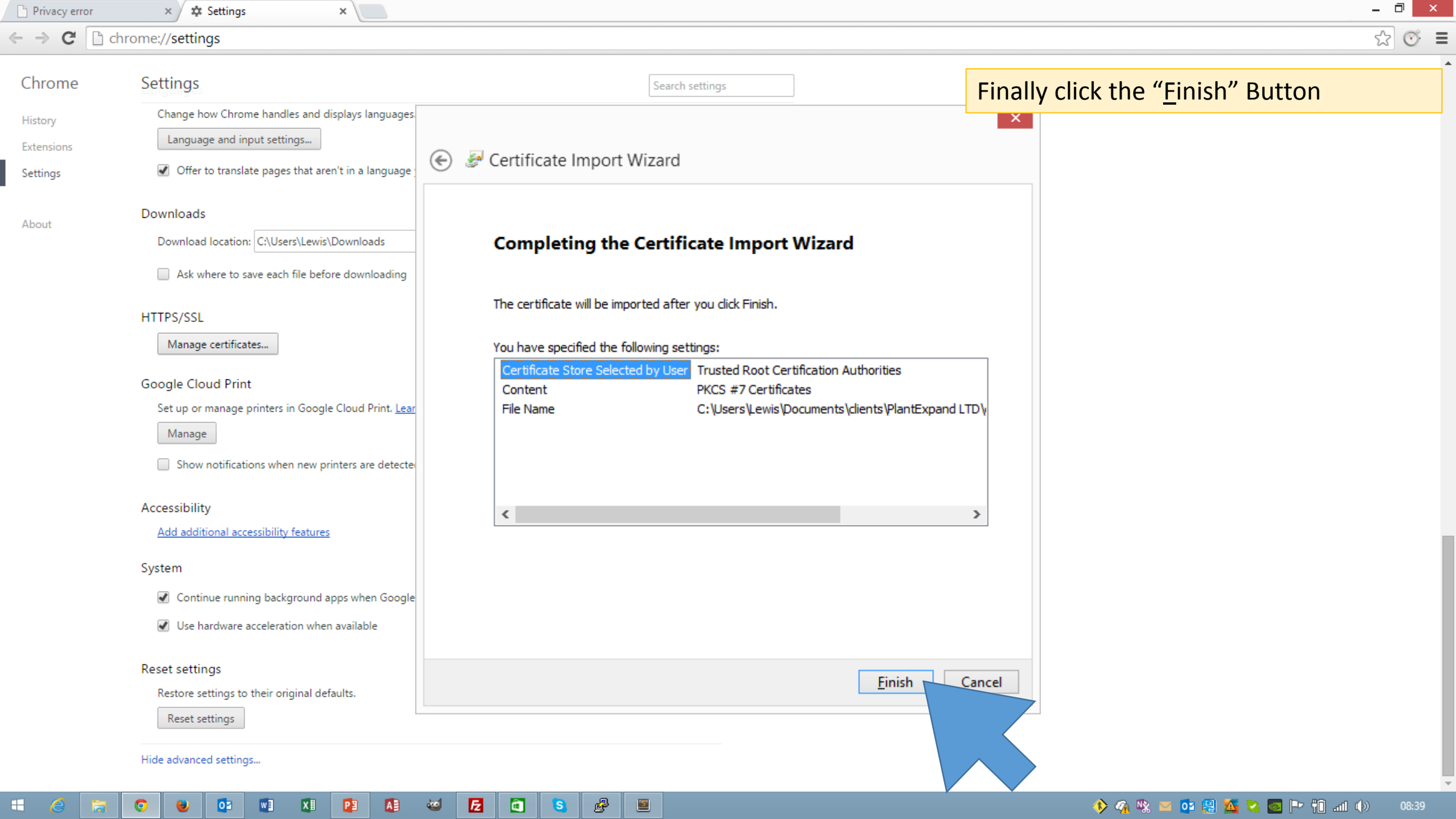
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Trusted Root Certification Authorities
Browse...
Next
Cancel
Proceed using the "Next" Button
08:39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Continue running background apps when Google
Use hardware acceleration when available
Reset settings
Restore settings to their original defaults.
Reset settings
Hide advanced settings...
Certificate Import Wizard
Completing the Certificate Import Wizard
The certificate will be imported after you click Finish.
You have specified the following settings:
Certificate Store Selected by User
Trusted Root Certification Authorities
Content
PKCS #7 Certificates
File Name
C:\Users\Lewis\Documents\clients\PlantExpand LTD\
Finish
Cancel
Finally click the "Finish" Button
08:39

Privacy error | Settings

chrome://settings

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Language and input settings...

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Download location: C:\Users\Lewis\Downloads

Ask where to save each file before downloading

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Continue running background apps when Google

Use hardware acceleration when available

Reset settings

Restore settings to their original defaults.

Reset settings

Hide advanced settings...

Click the "Yes" Button *Very Important

Certificate Import Wizard

Security Warning

You are about to install a certificate from a certification authority (CA) claiming to represent:

db.plantexpand.com

Windows cannot validate that the certificate is actually from "db.plantexpand.com". You should confirm its origin by contacting "db.plantexpand.com". The following number will assist you in this process:

Thumbprint (sha1): D63483D2 EF8AE0EF 4EB8739D AABE8D43 9BF86074

Warning:
If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.

Do you want to install this certificate?

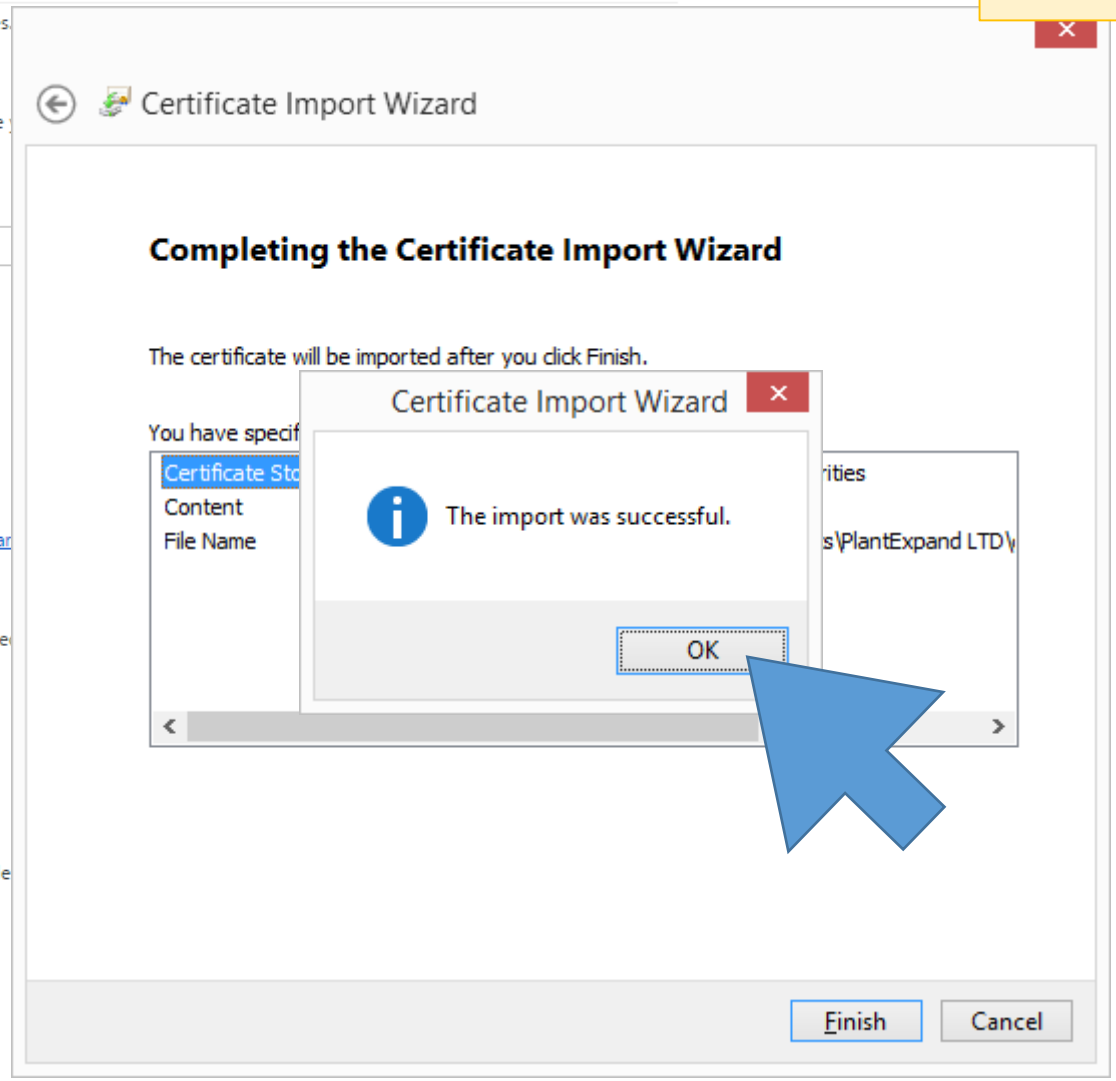
Yes

No

Cancel

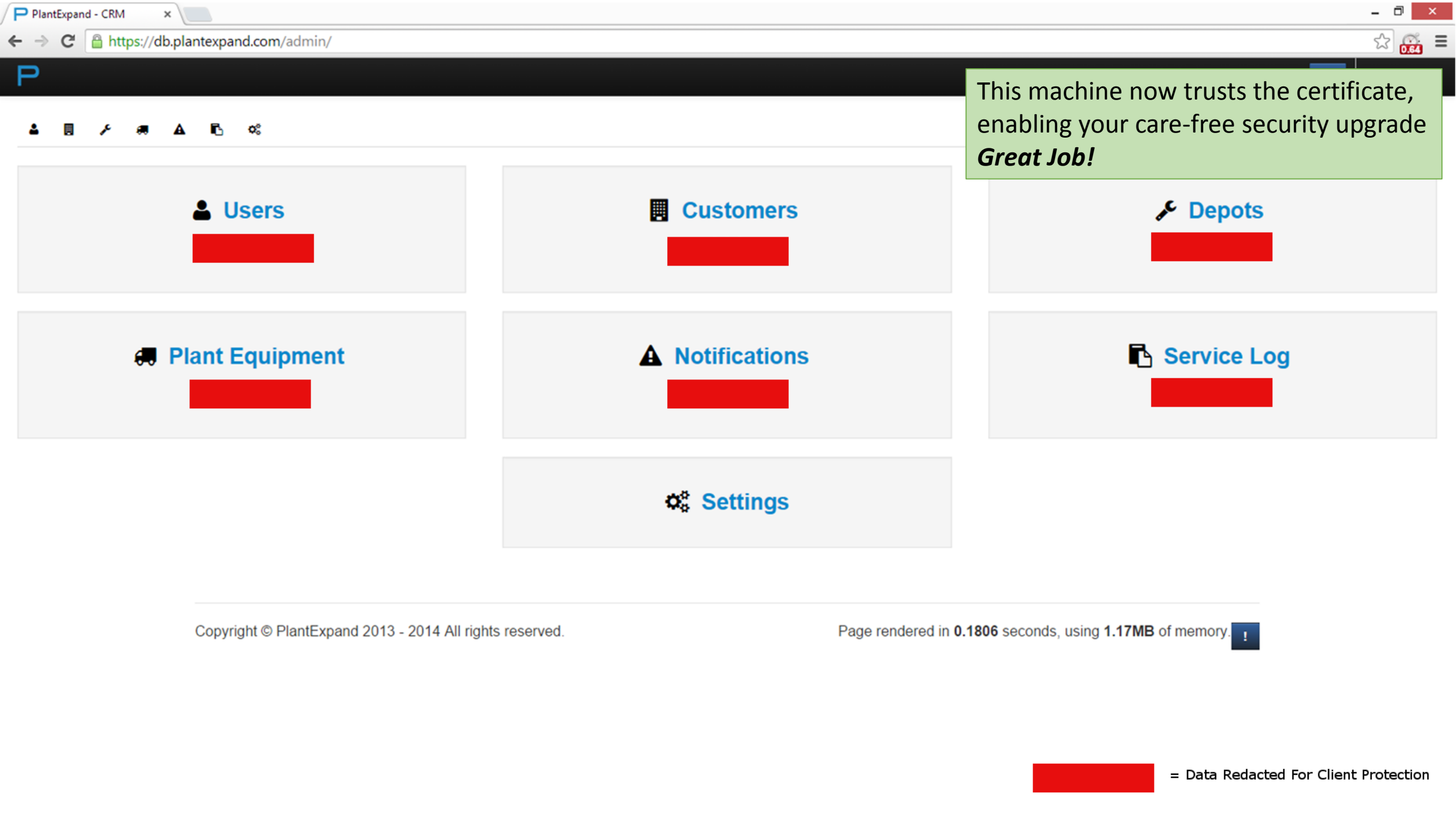
08:39

Click the “OK” Button



Next Steps

- Click OK or CLOSE to close all the pop-up windows
- Close Google Chrome (if you have multiple open tabs clicking the red “x” in the top-right should preserve open tabs)
- Re-open Google Chrome (your certificate should now be added)


PlantExpand - CRM
https://db.plantexpand.com/admin/
This machine now trusts the certificate, enabling your care-free security upgrade
Great Job!
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Customers
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