

# Determine Correct Intermediates Bundle for SSL Certificate

Some SSL providers include multiple intermediates certificate bundles along with your SSL certificate. Your SSL certificate must be merged with one of these intermediates bundles along with your private key to generate a .p12 certificate file that can be uploaded into the Mobile preferences tab of the FileWave Admin. If the incorrect intermediates bundle is used, two steps will appear during interactive MDM enrollment rather than one, like in the screenshot below. If the incorrect intermediates bundle is used, client devices will not be able to communicate with the FileWave MDM server correctly. There should normally only be one step listed, the one to "Enroll Device", if there are no certificate trust chain issues.



## Step-by-step guide

Follow the steps below to determine the correct intermediates bundle to pair with your SSL certificate so that only one step appears on the interactive enrollment page.

1. Be sure to choose Apache format when downloading your SSL certificate from the your provider. If the certificate files do not have a .crt extension redownload them again and pick Apache format this time.
2. Go to the Intermediate Certificate Check page at <https://tools.keycdn.com/ssl>.
3. Paste the contents of your SSL .crt file from your SSL provider.
4. Follow it up with the contents of the desired intermediates .crt file right below it. The intermediates bundle may contain multiple certificates. Copy and paste them all into the Intermediate Certificate Check page below your SSL certificate.
5. Click the Validate button.
6. You'll receive a response stating either "No chain issues detected" in green or "Chain issues detected" in brown. If there are chain issues keep replacing the intermediates bundle with another one until there are no chain issues. The intermediates bundle that results in no chain issues is the one you need to use when generating your .p12 file for FileWave.

## Decoder

This SSL check decodes your SSL certificates and validate intermediate certificate issues.

**Certificate (PEM format)**

```
-----BEGIN CERTIFICATE-----Certificate-----END CERTIFICATE-----
-----BEGIN CERTIFICATE-----Intermediate certificate-----END
CERTIFICATE-----
```

Q Validate

No chain issues detected.

**Correct Intermediates Bundle**

1. Subject CN: fw.lanrevcorp.com » Issuer CN: Go Daddy Secure Certificate Authority - G2
2. Subject CN: Go Daddy Secure Certificate Authority - G2 » Issuer CN: Go Daddy Root Certificate Authority - G2
3. Subject CN: Go Daddy Root Certificate Authority - G2 » Issuer CN:
4. Subject CN: » Issuer CN:

# Decoder

This SSL check decodes your SSL certificates and validate intermediate certificate issues.

Certificate (PEM format)

-----BEGIN CERTIFICATE-----Certificate-----END CERTIFICATE-----  
-----BEGIN CERTIFICATE-----Intermediate certificate-----END  
CERTIFICATE-----

Q Validate

## Wrong Intermediates Bundle

Chain issues detected. Possible reasons are missing intermediate certificate or wrong order of the certificates.

1. Subject CN: fw.lanrevcorp.com » Issuer CN: Go Daddy Secure Certificate Authority - G2
2. Subject CN: Go Daddy Secure Extended Validation Code Signing CA - G2 » Issuer CN: Go Daddy Root Certificate Authority - G2

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