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Librerías

Para linux está libTimbraCFDI.so
Para windows está libTimbraCFDI.dll

Métodos

Constructor

TimbraCFDI(char * usuario, char * emisor, char *url=(char
*)"http://www.timbracfdipruebas.mx/servicioIntegracionpruebas/timbrado.asmx?WSDL");

Parámetros:
• usuario: El usuario integrador.
• emisor: Emisor.
• url: Url del servidor del servicio soap.
De no especificar la url se tomará la dirección por defecto:
http://201.175.12.89/servicioIntegracionpruebas/timbrado.asmx?WSDL

registraEmisor

char * **registraEmisor**(char *cert, char *key, char *pass);

Parámetros:
• cert: Ruta del fichero donde se encuentra el certificado.
• key: Ruta del fichero donde se encuentra la clave privada del certificado.
• pass: Contraseña de la clave privada.

timbraCFDI

char * **timbraCFDI**(char *ficheroComprobante, char *idComprobante);

Parámetros:
• ficheroComprobante: Ruta del fichero que se desea timbrar.
• idComprobante: Id proporcionado por el usuario.

obtieneCFDI

char * **obtieneCFDI**(char *uuid);

Parámetros:
• uuid: UUID del documento timbrado que se desea obtener.

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cancelaCFDI

char * **cancelaCFDI**(char *uuid);
Parámetros:
• uuid: UUID del documento timbrado que se desea cancelar.

Ejemplo de uso

A continuación pasamos a describir los ejemplos de uso, es importante resaltar que para el caso del sistema operativo GNU/Linux tanto de 32bit como 64bits es muy importante tener en consideración la inclusión de la ruta exacta de la librería poniéndola en /etc/ld.so.conf.d/.

registraEmisor

```
int main(int argc, char* argv[])
{
TimbraCFDI t("mvpNUXmQfK8=", "AAA010101AAA");
char * r = t.registraEmisor("../ArchivosPrueba/aaa010101aaa__csd_01.cer",
"../ArchivosPrueba/aaa010101aaa__csd_01.key", "12345678a");
printf("%s\n", r);
return 0;
}
```

GNU/Linux

· Lanzamos " *g++ registraEmisor.c -o registra bin/32/libTimbraCFDI.so"*
· Una vez hecho lo anterior podemos probar lanzar el ejecutable
./registra

Resultado:

```
<?xml version="1.0" encoding="utf-8"?><soap:Envelope
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"><soap:Body><RegistraEmisorResponse
xmlns="http://localhost/"><RegistraEmisorResult><anyType xsi:type="xsd:string" /><anyType
xsi:type="xsd:int">0</anyType><anyType xsi:type="xsd:string">El certificado fue guardado y registrado
correctamente</anyType><anyType xsi:type="xsd:string" /><anyType xsi:nil="true" /><anyType
xsi:type="xsd:string"
/></RegistraEmisorResult></RegistraEmisorResponse></soap:Body></soap:Envelope>
```

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timbraCFDI

```cpp
int main(int argc, char* argv[])
{
TimbraCFDI t("mvpNUXmQfK8=", "AAA010101AAA");
char * r = t.timbraCFDI("../ArchivosPrueba/comprobanteSinTimbrar.xml", "1");
printf("%s\n", r);
return 0;
}
```

GNU/Linux

```
g++ timbra.c -o timbra bin/32/libTimbraCFDI.so
./timbra
```

Resultado obtenido en el caso de que CFDI ya existe:

```xml
<?xml version="1.0" encoding="utf-8"?><soap:Envelope
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"><soap:Body><TimbraCFDIResponse
xmlns="http://localhost/"><TimbraCFDIResult><anyType
xsi:type="xsd:string">General</anyType><anyType xsi:type="xsd:int">25</anyType><anyType
xsi:type="xsd:string">Este CFDI ya ha sido timbrado con UUID: 03574865-594E-4FA1-B138-
5F586375D4E6</anyType><anyType xsi:type="xsd:string" /><anyType xsi:nil="true" /><anyType
xsi:type="xsd:string" /></TimbraCFDIResult></TimbraCFDIResponse></soap:Body></soap:Envelope>
```

Resultado obtenido en el caso de cambiar la fecha y concepto del comprobanteSinTimbrar.xml

```xml
<?xml version="1.0" encoding="utf-8"?><soap:Envelope
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"><soap:Body><TimbraCFDIResponse
xmlns="http://localhost/"><TimbraCFDIResult><anyType
xsi:type="xsd:string">Generic</anyType><anyType xsi:type="xsd:int">0</anyType><anyType
xsi:type="xsd:string" /><anyType xsi:type="xsd:string">&lt;?xml version="1.0" encoding="UTF-8"?&gt;
&lt;cfdi:Comprobante xmlns:cfdi="http://www.sat.gob.mx/cfd/3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.sat.gob.mx/cfd/3 http://www.sat.gob.mx/sitio_internet/cfd/3/cfdv32.xsd"
version="3.2" folio="1" fecha="2014-11-05T11:57:00"
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noCertificado="20001000000200001428"
certificado="MIIEYTCCA0mgAwIBAgIUMjAwMDEwMDAwMDAyMDAwMDE0MjgwDQYJKoZIhvc
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cmFjaOzbiBkZSBTZWd1cmlkYWQgZGUgbGEgSW5mb3JtYWNpw7NuMSkwJwYJKoZIhvcNAQkBF
```

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/></cfdi:Traslados></cfdi:Impuestos><cfdi:Complemento><tfd:TimbreFiscalDigital
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obtieneCFDI

```cpp
int main(int argc, char* argv[])
{
TimbraCFDI t("mvpNUXmQfK8=", "AAA010101AAA");
char * r = t.obtieneCFDI("303574865-594E-4FA1-B138-5F586375D4E6");
printf("%s\n", r);
return 0;
}
```

GNU/Linux

```
g++ obtiene.c -o obtiene bin/32/libTimbraCFDI.so
./obtiene
```

Resultado:

```xml
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🔲 www.profact.com.mx
🔲 Interior de la República 01 800 839 39 89 D.F. 01 (55) 50 16 29 33
🔲 Fernando Leal Novelo No. 7 Int. 302, Ciudad Satélite, Naucalpan Estado de México C.P. 53100

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cancelaCFDI

```c
int main(int argc, char* argv[])
{
TimbraCFDI t("mvpNUXmQfK8=", "AAA010101AAA");
char * r = t.cancelaCFDI("03574865-594E-4FA1-B138-5F586375D4E6");
```
Control de timbrado en c++, para linux 32/64 y windows 32/64
```c
printf("%s\n", r);
return 0;
}
```
GNU/Linux

```
g++ cancela.c -o cancela bin/32/libTimbraCFDI.so
./cancela
```

Resultado:

```xml
<?xml version="1.0" encoding="utf-8"?><soap:Envelope
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"><soap:Body><CancelaCFDIResponse
xmlns="http://localhost/"><CancelaCFDIResult><anyType xsi:type="xsd:string" /><anyType
xsi:type="xsd:int">0</anyType><anyType xsi:type="xsd:string">CFDI cancelado
exitosamente.</anyType><anyType xsi:type="xsd:string" /><anyType xsi:nil="true" /><anyType
xsi:type="xsd:string" /></CancelaCFDIResult></CancelaCFDIResponse></soap:Body></soap:Envelope>
```

TimbraCFDI.h

```cpp
#ifndef __TIMBRACFDI_H
#define __TIMBRACFDI_H
class TimbraCFDI
{
public:
TimbraCFDI(char * usuario, char * emisor, char *url=(char
*)"http://201.175.12.89/servicioIntegracionpruebas/timbrado.asmx?WSDL");
char * registraEmisor(char *cert, char *key, char *pass);
char * timbraCFDI(char *ficheroComprobante, char *idComprobante);
char * obtieneCFDI(char *uuid);
char * cancelaCFDI(char *uuid);
private:
char * usuario, *emisor, *url;
};
#endif
```