



Documentación del Servicio de Consulta de CFDI

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Versión 1.0

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1 Descripción

El Servicio de consulta de CFDÍ's se diseñó para permitir la validación accediendo a un servicio publicado en la página del SAT desde Internet, el servicio pretende proveer una alternativa de consulta que requiera verificar el estado de un comprobante en las Bases de Datos del SAT.

2 Contrato

URL: <https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc>

WSDL **ConsultaCFDIService.svc?wsdl**

WSDL location: <https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?wsdl>

targetnamespace: <http://tempuri.org/>

services	bindings	porttypes	messages	types
<u>ConsultaCFDIService</u>	<u>BasicHttpBinding_IConsultaCFDIService</u>	<u>IConsultaCFDIService</u>	<u>IConsultaCFDIService Consulta InputMessage</u> <u>IConsultaCFDIService Consulta OutputMessage</u>	<u>Acuse</u> <u>Acuse</u> <u>anyType</u> <u>anyURI</u> <u>base64Binary</u> <u>boolean</u> <u>byte</u> <u>char</u> <u>char</u> <u>Consulta</u> <u>ConsultaResponse</u> <u>dateTime</u> <u>decimal</u> <u>double</u> <u>duration</u> <u>duration</u> <u>float</u> <u>guid</u> <u>guid</u> <u>int</u> <u>long</u> <u>QName</u> <u>short</u> <u>string</u> <u>unsignedByte</u> <u>unsignedInt</u> <u>unsignedLong</u> <u>unsignedShort</u>

service ConsultaCFDIService

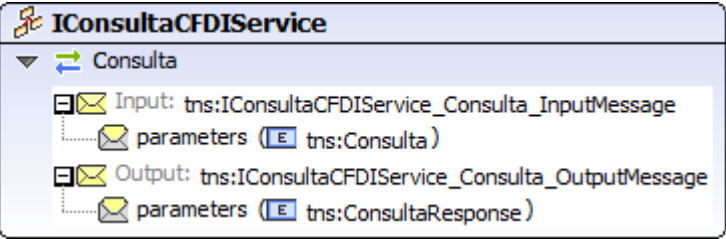
diagram	<p>ConsultaCFDIService BasicHttpBinding_IConsultaCFDIService Location: https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc</p>
ports	<p>BasicHttpBinding_IConsultaCFDIService binding tns:BasicHttpBinding_IConsultaCFDIService extensibility <code><soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/></code></p>
source	<pre><wsdl:service name="ConsultaCFDIService"> <wsdl:port name="BasicHttpBinding_IConsultaCFDIService" binding="tns:BasicHttpBinding_IConsultaCFDIService"> <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/> </wsdl:port> </wsdl:service></pre>

binding BasicHttpBinding_IConsultaCFDIService

diagram	<p>BasicHttpBinding_IConsultaCFDIService soap doc transport: http://schemas.xmlsoap.org/soap/http Consultas doc soapaction: http://tempuri.org/IConsultaCFDIService/Consultas Input body lit Output body lit</p>
type	tns:IConsultaCFDIService
extensibility	<code><soap:binding transport="http://schemas.xmlsoap.org/soap/http"/></code>
operations	<p>Consultas extensibility <code><soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consultas" style="document"/></code> input <code><soap:body use="literal"/></code> output <code><soap:body use="literal"/></code></p>
used by	Port BasicHttpBinding_IConsultaCFDIService in Service ConsultaCFDIService
source	<pre><wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService"> <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/> <wsp:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy"/> <wsdl:operation name="Consultas"> <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consultas" style="document"/> <wsdl:input> <soap:body use="literal"/> </wsdl:input> <wsdl:output></pre>

	<pre> <soap:body use="literal"/> </wsdl:output> </wsdl:operation> </wsdl:binding> </pre>
--	------------------------------------------------------------------------------------------------------------------

porttype IConsultaCFDIService

diagram	
operations	Consulta input tns:IConsultaCFDIService_Consulta_InputMessage output tns:IConsultaCFDIService_Consulta_OutputMessage
used by	binding BasicHttpBinding_IConsultaCFDIService
source	<pre> <wsdl:portType name="IConsultaCFDIService"> <wsdl:operation name="Consulta"> <wsdl:input message="tns:IConsultaCFDIService_Consulta_InputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"/> <wsdl:output message="tns:IConsultaCFDIService_Consulta_OutputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"/> </wsdl:operation> </wsdl:portType> </pre>

message IConsultaCFDIService_Consulta_InputMessage

parts	parameters element tns:Consulta
used by	Operation Consulta in PortType IConsultaCFDIService
source	<pre> <wsdl:message name="IConsultaCFDIService_Consulta_InputMessage"> <wsdl:part name="parameters" element="tns:Consulta"/> </wsdl:message> </pre>

message IConsultaCFDIService_Consulta_OutputMessage

parts	parameters element tns:ConsultaResponse
used by	Operation Consulta in PortType IConsultaCFDIService
source	<pre> <wsdl:message name="IConsultaCFDIService_Consulta_OutputMessage"> <wsdl:part name="parameters" element="tns:ConsultaResponse"/> </wsdl:message> </pre>

element Consulta

diagram	
namespace	http://tempuri.org/
properties	content complex
children	tns:expresionImpresa
source	<pre><xsd:element name="Consulta"> <xsd:complexType> <xsd:sequence> <xsd:element name="expresionImpresa" type="xs:string" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre>

element ConsultaResponse

diagram	
namespace	http://tempuri.org/
properties	content complex
children	tns:ConsultaResult
source	<pre><xsd:element name="ConsultaResponse"> <xsd:complexType> <xsd:sequence> <xsd:element name="ConsultaResult" type="q1:Acuse" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre>

CODIGO

```
<?xml version="1.0" encoding="utf8" ?>
<wsdl:definitions name="ConsultaCFDIService" targetNamespace="http://tempuri.org/"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex"
  xmlns:wsu="http://docs.oasisopen.org/wss/2004/01/oasis200401wsswssecurityutility1.0.xsd"
  xmlns:wsa10="http://www.w3.org/2005/08/addressing"
  xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
  xmlns:msc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract"
  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing"
  xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://tempuri.org/"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
```

```

xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
<wsp:Policy wsu:Id="BasicHttpBinding_IConsultaCFDIService_policy">
<wsp:ExactlyOne>
<wsp>All>
<sp:TransportBinding xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
<wsp:Policy>
<sp:TransportToken>
<wsp:Policy>
<sp:HttpsToken RequireClientCertificate="false" />
</wsp:Policy>
</sp:TransportToken>
<sp:AlgorithmSuite>
± <wsp:Policy>
</sp:AlgorithmSuite>
<sp:Layout>
<wsp:Policy>
<sp:Strict />
</wsp:Policy>
</sp:Layout>
</wsp:Policy>
</sp:TransportBinding>
</wsp>All>
</wsp:ExactlyOne>
</wsp:Policy>
</wsp:Policy>
<wsdl:types>
<xsd:schema targetNamespace="http://tempuri.org/Imports">
<xsd:import
schemaLocation="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?xsd
=xsd0" namespace="http://tempuri.org/" />
<xsd:import
schemaLocation="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?xsd
=xsd1" namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
<xsd:import
schemaLocation="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?xsd
=xsd2"
namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"
/>
</xsd:schema>
</wsdl:types>
<wsdl:message name="IConsultaCFDIService_Conulta_InputMessage">
<wsdl:part name="parameters" element="tns:Consulta" />
</wsdl:message>
<wsdl:message name="IConsultaCFDIService_Conulta_OutputMessage">
<wsdl:part name="parameters" element="tns:ConsultaResponse" />
</wsdl:message>
<wsdl:portType name="IConsultaCFDIService">
<wsdl:operation name="Consulta">
<wsdl:input wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"
message="tns:IConsultaCFDIService_Conulta_InputMessage" />
<wsdl:output wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"
message="tns:IConsultaCFDIService_Conulta_OutputMessage" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService">
<wsdl:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy" />

```



```
<soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="Consulta">
  <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document" />
<wsdl:input>
  <soap:body use="literal" />
</wsdl:input>
<wsdl:output>
  <soap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConsultaCFDIService">
<wsdl:port name="BasicHttpBinding_IConsultaCFDIService"
  binding="tns:BasicHttpBinding_IConsultaCFDIService">
  <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"
  />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>
```

3 Mensajes de Respuesta

Los mensajes de respuesta que arroja el servicio de consulta de CFDI's incluyen la descripción del resultado de la operación que corresponden a la siguiente clasificación:

Mensajes de Rechazo.

N 601: La expresión impresa proporcionada no es válida.

Este código de respuesta se presentará cuando la petición de validación no se haya respetado en el formato definido.

N 602: Comprobante no encontrado.

Este código de respuesta se presentará cuando el UUID del comprobante no se encuentre en la Base de Datos del SAT.

Mensajes de Aceptación.

S Comprobante obtenido satisfactoriamente.

4 Ejemplo de Implementación

```
namespace Sat.Cfdi.Negocio.ConsultaCfdi.Servicio
{
    using System.Runtime.Serialization;

    [System.Diagnostics.DebuggerStepThroughAttribute()]
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.Runtime.Serialization",
    "4.0.0.0")]
```

```
[System.Runtime.Serialization.DataContractAttribute(Name="Acuse",
Namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Ser
vicio")]
public partial class Acuse : object,
System.Runtime.Serialization.IExtensibleDataObject
{

    private System.Runtime.Serialization.ExtensionDataObject extensionDataField;

    private string CodigoEstatusField;

    private string EstadoField;

    public System.Runtime.Serialization.ExtensionDataObject ExtensionData
    {
        get
        {
            return this.extensionDataField;
        }
        set
        {
            this.extensionDataField = value;
        }
    }

    [System.Runtime.Serialization.DataMemberAttribute()]
    public string CodigoEstatus
    {
        get
        {
            return this.CodigoEstatusField;
        }
        set
        {
            this.CodigoEstatusField = value;
        }
    }

    [System.Runtime.Serialization.DataMemberAttribute()]
    public string Estado
    {
        get
        {
            return this.EstadoField;
        }
        set
        {
            this.EstadoField = value;
        }
    }
}

[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
[System.ServiceModel.ServiceContractAttribute(ConfigurationName="IConsultaCFDIServic
e")]
public interface IConsultaCFDIService
```

```
{

[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta",
ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]
    Sat.Cfdi.Negocio.ConsultaCfdi.Servicio.Acuse Consulta(string expresionImpresa);

[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta",
ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]
    System.Threading.Tasks.Task<Sat.Cfdi.Negocio.ConsultaCfdi.Servicio.Acuse>
    ConsultaAsync(string expresionImpresa);
}

[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
public interface IConsultaCFDIServiceChannel : IConsultaCFDIService,
System.ServiceModel.IClientChannel
{
}

[System.Diagnostics.DebuggerStepThroughAttribute()]
[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
public partial class ConsultaCFDIServiceClient :
System.ServiceModel.ClientBase<IConsultaCFDIService>, IConsultaCFDIService
{

    public ConsultaCFDIServiceClient()
    {
    }

    public ConsultaCFDIServiceClient(string endpointConfigurationName) :
        base(endpointConfigurationName)
    {
    }

    public ConsultaCFDIServiceClient(string endpointConfigurationName, string
remoteAddress) :
        base(endpointConfigurationName, remoteAddress)
    {
    }

    public ConsultaCFDIServiceClient(string endpointConfigurationName,
System.ServiceModel.EndpointAddress remoteAddress) :
        base(endpointConfigurationName, remoteAddress)
    {
    }

    public ConsultaCFDIServiceClient(System.ServiceModel.Channels.Binding binding,
System.ServiceModel.EndpointAddress remoteAddress) :
        base(binding, remoteAddress)
    {
    }

    public Sat.Cfdi.Negocio.ConsultaCfdi.Servicio.Acuse Consulta(string
expresionImpresa)
    {
    }
}
```

```
        return base.Channel.Consulta(expresionImpresa);
    }

    public System.Threading.Tasks.Task<Sat.Cfdi.Negocio.ConsultaCfdi.Servicio.Acuse>
    ConsultaAsync(string expresionImpresa)
    {
        return base.Channel.ConsultaAsync(expresionImpresa);
    }
}
```

5 Capacidad de respuesta

El servicio de Consulta de CFDI's tiene la capacidad de atender hasta 2 millones de consultas por hr., debido a que estas consultas acceden las Bases de Datos transaccionales del SAT se solicita no aumentar la cantidad de consultas por hora para evitar impactos en la respuesta del servicio.