



Source Processors:

**Nuvei**

API Specification



Version 1.0

May 2019

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# Introduction

The purpose of this document is to provide an in-depth description of the specifications for transaction processing with the Nuvei Payment Technology Network using Credorax's *Source Gateway* platform.

The specifications described in this document are applicable to transactions processed with Nuvei, even if they contradict other specifications listed in the Credorax Source Payment API, or any other of Credorax's processor specification documents.

## Useful Documents / References

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The following documents may also be useful in understanding the Nuvei API specifications:

- **Credorax's *Source Payment API Specification*** – an in-depth description of the *Source Gateway*'s specifications
- **Credorax Data Transfer Interface** - an in-depth description of the ePower Data Transfer Interface that also lists the available reports' formatting specifications

These documents can be found on the [Credorax Developer Portal](#).

# Nuvei

## General Information

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Nuvei is a payment service provider operating in the US & Canada.

## Nuvei General Specifications

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Item	Details
Region	United States and Canada
Supported Card Scheme(s)	Visa MasterCard Maestro American Express Diners Discover JCB

Item	Details
Supported Operations	<p>The following <i>Source</i> operation codes are supported by Nuvei:</p> <ul style="list-style-type: none"><li>[1] - Sale</li><li>[23] - Create Token with Sale</li><li>[11] - Use Token - Sale</li><li>[24] - Use Token - Recurring Sale</li><li>[2] - Authorisation</li><li>[28] - Create Token - Auth</li><li>[12] - Use Token - Auth</li><li>[32] - Use Token - Recurring Auth</li><li>[3] - Capture</li><li>[29] - Create Token - Capture</li><li>[13] - Use Token - Capture</li><li>[33] - Use Token - Recurring Capture</li><li>[5] - Referral Credit</li><li>[15] - Token Referral Credit</li><li>[4] - Authorisation Void</li><li>[7] - Sale Void</li><li>[9] - Capture Void</li><li>[14] - Token Auth Void</li><li>[6] - Independent Credit</li><li>[10] - Create Token</li></ul>
Onboarding Merchant	USA, Canada
Supported Currencies	See <a href="#">Supported Currencies</a>
Permitted Refund Percentage	100%

Item	Details
Supported Features	CVV2 Check, Address Verification System (AVS), Dynamic Descriptor, Card Validation, Card-not-present, 3D Secure  Note: Some features may require registration with Credorax. Contact your Credorax account manager for more details
Min. Transaction Amount	USD 0.01
Max. Transaction Amount	No maximum
Blocked BIN Countries	No blocked countries

## Source Payment API Exceptions

The [a1] parameter is only transmitted to Nuvei for authorisation and sale transactions of all types (operation codes: [1], [2], [11], [12], [23], [24], [28], [32])

Required Parameters	Description	Type	Length
a1	Request ID A unique transaction reference number. It should be unique to each transaction and to each MID.	[\-0-9A-Za-z]+	1,32

## Nuvei Specific Requirements

### American Express (AMEX)

When processing American Express transactions, the currency of the purchase must match the merchant's local currency. For example, if you are a US-registered merchant, you can only charge an AMEX card in USD.

## Supported Currencies

Country	Currency	Currency Code	Exponents
United Arab Emirates	United Arab Emirates Dirham	AED	2
Afghanistan	Afghani	AFN	2
Albania	Lek	ALL	2
Armenia	Armenian Dram	AMD	2
Netherlands Antilles	Netherlands Antillean Guilder	ANG	2
Angola	Kwanza	AOA	2
Argentina	Argentine Peso	ARS	2
Australia	Australian Dollar	AUD	2
Aruba	Aruban Guilder	AWG	2
Azerbaijan	Azerbaijani Manat	AZN	2
Bosnia Herzegovina	Convertible Marks	BAM	2
Barbados	Barbados Dollar	BBD	2
Bangladesh	Bangladeshi Taka	BDT	2
Bulgaria	Bulgarian Lev	BGN	2
Bahrain	Bahraini Dinar	BHD	3
Burundi	Burundian Franc	BIF	0
Bermuda	Bermuda	BMD	2
Brunei Darussalam	Brunei Dollar	BND	2
Bolivia	Boliviano	BOB	2
Bahamas	Bahamian dollar	BSD	2
Bhutan	Ngultrum	BTN	2
Botswana	Pula	BWP	2
Belize	Belize Dollar	BZD	2
Canada	Canadian Dollar	CAD	2
Congo, The Democratic Republic of	Franc Congolais	CDF	2
Switzerland	Swiss Franc	CHF	2
Chile	Chilean Peso	CLP	0
China	Chinese Yuan	CNY	2

Country	Currency	Currency Code	Exponents
Colombia	Colombian Peso	COP	2
Costa Rica	Costa Rican Colon	CRC	2
Cuba	Cuban Peso	CUP	2
Cape Verde	Cape Verde Escudo	CVE	2
Czech Republic	Czech Koruna	CZK	2
Djibouti	Djibouti Franc	DJF	0
Denmark	Danish Krone	DKK	2
Dominican Republic	Dominican Peso	DOP	2
Algeria	Algerian Dinar	DZD	2
Estonia	Kroon	EEK	2
Egypt	Egyptian Pound	EGP	2
Eritrea	Nakfa	ERN	2
Ethiopia	Ethiopian Birr	ETB	2
19 European Union Countries (EMU)	Euro	EUR	2
Fiji	Fiji Dollar	FJD	2
Falkland Islands (Malvinas)	Falkland Islands Pound	FKP	2
United Kingdom	Pounds Sterling	GBP	2
Georgia	Lari	GEL	2
Ghana	Cedi	GHS	2
Gibraltar	Gibraltar Pound	GIP	2
Gambia	Dalasi	GMD	2
Guinea	Guinea Franc	GNF	0
Guatemala	Quetzal	GTQ	2
Guyana	Guyana Dollar	GYD	2
Hong Kong	Hong Kong Dollars	HKD	2
Honduras	Lempira	HNL	2
Croatia	Croatian Kuna	HRK	2
Haiti	Haiti Gourde	HTG	2
Hungary	Forint	HUF	2
Indonesia	Rupiah	IDR	2
Israel	Israeli New Sheqel	ILS	2



Country	Currency	Currency Code	Exponents
India	Indian Rupee	INR	2
Iraq	Iraqi Dinar	IQD	3
Iran, Islamic Republic of	Iranian Rial	IRR	2
Iceland	Iceland Krona	ISK	2
Jamaica	Jamaican Dollar	JMD	2
Jordan	Jordanian Dinar	JOD	3
Japan	Japanese Yen	JPY	0
Kenya	Kenyan Shilling	KES	2
Kyrgyzstan	Som	KGS	2
Cambodia	Riel	KHR	2
Comoros	Comoro Franc	KMF	0
Korea, Democratic People's Republic of	North Korean Won	KPW	2
Korea, Republic of	South Korean Won	KRW	0
Kuwait	Kuwaiti Dinar	KWD	3
Cayman Islands	Cayman Islands Dollar	KYD	2
Kazakhstan	Tenge	KZT	2
Lao People's Democratic Republic	Kip	LAK	2
Lebanon	Lebanese Pound	LBP	2
Sri Lanka	Sri Lanka Rupee	LKR	2
Liberia	Liberian Dollar	LRD	2
Lesotho	Lesotho Loti	LSL	2
Lithuania	Lithuanian Litas	LTL	2
Libyan Arab Jamahiriya	Libyan Dinar	LYD	3
Morocco	Moroccan Dirham	MAD	2
Madagascar	Malagasy Ariary	MGA	2
Macedonia	Denar	MKD	2
Myanmar	Kyat	MMK	2
Mongolia	Tugrik	MNT	2
Macao	Pataca	MOP	2
Mauritania	Ouguiya	MRO	2
Mauritania	Mauritania	MRU	2

Country	Currency	Currency Code	Exponents
Mauritius	Mauritius Rupee	MUR	2
Maldives	Rufiyaa	MVR	2
Malawi	Kwacha	MWK	2
Mexico	Mexican Peso	MXN	2
Malaysia	Malaysian Ringgit	MYR	2
Mozambique	Metical	MZN	2
Namibia	Namibian Dollar	NAD	2
Nigeria	Naira	NGN	2
Nicaragua	Cordoba Oro	NIO	2
Norway	Norwegian Krone	NOK	2
Nepal	Nepalese Rupee	NPR	2
New Zealand	New Zealand Dollar	NZD	2
Oman	Rial Omani	OMR	3
Panama	Balboa	PAB	2
Peru	Nuevo Sol	PEN	2
Independent State of Papua New Guinea	Kina	PGK	2
Philippines	Philippine Peso	PHP	2
Pakistan	Pakistan Rupee	PKR	2
Paraguay	Guarani	PYG	0
Qatar	Qatari Rial	QAR	2
Romania	Romanian New Leu	RON	2
Serbia	Serbian Dinar	RSD	2
Russia	Russian Rouble	RUB	2
Rwanda	Rwanda Franc	RWF	0
Saudi Arabia	Saudi Riyal	SAR	2
Solomon Islands	Solomon Islands Dollar	SBD	2
Seychelles	Seychelles Rupee	SCR	2
Sudan	Sudanese Pound	SDG	2
Sweden	Swedish Krona/Kronor	SEK	2
Singapore	Singapore Dollar	SGD	2
Saint Helena, Ascension and Tristan Da Cunha	Saint Helena Pound	SHP	2

Country	Currency	Currency Code	Exponents
Sierra Leone	Leone	SLL	2
Somalia, Federal Republic of	Somali Shilling	SOS	2
Suriname	Suriname Dollar	SRD	2
South Sudan	South Sudanese Pound	SSP	2
Sao Tome and Principe	Dobra	STD	2
Sao Tome and Principe	Sao Tome Principe	STN	2
El Salvador	El Salvador Colon	SVC	2
Syrian Arab Republic	Syrian Pound	SYP	2
Swaziland	Lilangeni	SZL	2
Thailand	Baht	THB	2
Tajikistan	Somoni	TJS	2
Turkmenistan	Manat	TMT	2
Tunisia	Tunisian Dinar	TND	3
Tonga	Paanga	TOP	2
Turkey	Turkish Lira	TRY	2
Trinidad And Tobago	Trinidad and Tobago Dollar	TTD	2
Taiwan Province of China	New Taiwan Dollar	TWD	2
Tanzania, United Republic of	Tanzanian Shilling	TZS	2
Ukraine	Hryvnia	UAH	2
Uganda	Uganda Shilling	UGX	2
United States	US Dollar	USD	2
Uruguay	Peso Uruguayo	UYU	2
Uzbekistan	Uzbekistan Som	UZS	2
Venezuela	Venezuelan Bolívar Fuerte	VEF	2
Vietnam	Vietnamese Đông	VND	0
Vanuatu	Vatu	VUV	0
Samoa	Samoan Tala	WST	2
Central African Republic	CFA franc BEAC	XAF	0
Eastern Caribbean States	East Caribbean Dollar	XCD	2
Communauté Financière Africaine	CFA Franc BCEAO	XOF	0
French Polynesia	CFP Franc	XPF	0

Country	Currency	Currency Code	Exponents
Yemen	Yemeni Rial	YER	2
South Africa	South African Rand	ZAR	2
Zambia	Kwacha	ZMW	2
Zimbabwe	Fourth Zimbabwe Dollar	ZWL	2
Zimbabwe	Third Zimbabwe Dollar	ZWR	2

# Change History

Version	Subject/Date	Description
1.0	March 2019	First release

## Need Support?

Contact our Client Relations Center 24/7 for any additional information or technical issue:

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Email: [support@credorax.com](mailto:support@credorax.com)