

browserInfo



The **browserInfo** object is only relevant for [Server-to-Server](#)- or [Silent Order Post \(PayNow\)](#)-integrations. Merchants that use Computop payment pages or card forms do not need to submit this data field.

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Data Elements

	Key	Format	CND	Description
1	acceptHeaders	string	M	Exact content of the HTTP accept headers as sent from the customer's browser
2	ipAddress	string	M	IP address of the browser as returned by the HTTP headers
3	javaEnabled	boolean	C	Boolean that represents the ability of the customer's browser to execute Java. Required when Browser JavaScript Enabled = true; otherwise Optional.
4	javaScriptEnabled	boolean	M	Boolean that represents the ability of the customer's browser to execute JavaScript. For using 3DS 2.0 JavaScript must be activated (javaScriptEnabled = true). In this case all depending parameters javaEnabled, colorDepth, screenHeight, screenWidth and timeZoneOffset has to be submitted, too.
5	language	string	M	Value representing the browser language as defined in IETF BCP47, returned from navigator.language property, e.g. "en", "de", "fr", "en-US", "en-GB", "de-DE", "de-AT", ...
6	colorDepth	integer	C	Value representing the bit depth of the colour palette for displaying images, in bits per pixel. Required when Browser JavaScript Enabled = true; otherwise optional. Notice: Meanwhile exist the new color depths 30 and 36 bits, but these are not included within den EMVCo specifications and should not be used because they can cause rejections. Please send the next lower value instead. Currently allowed are 1, 4, 8, 15, 16, 24, 32, 48 bits.
7	screenHeight	integer	C	Total height of the Cardholder's screen in pixels. Required when Browser JavaScript Enabled = true; otherwise optional.
8	screenWidth	integer	C	Total width of the cardholder's screen in pixels. Required when Browser JavaScript Enabled = true; otherwise optional.
9	timeZoneOffset	string	C	Time-zone offset in minutes between UTC and the Cardholder browser local time. Required when Browser JavaScript Enabled = true; otherwise optional. Note that the offset is positive if the local time zone is behind UTC and negative if it is ahead.
10	userAgent	string	M	Exact content of the HTTP user-agent header

Schema

BASEURL= <https://www.computop-paygate.com/schemas>

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "$id": "BASEURL/browserInfo.json",
  "title": "browserInfo",
  "description": "Browser Information",
  "type": "object",
  "properties": {
    "acceptHeaders": {
      "type": "string",
      "maxLength": 2048,
      "description": "Exact content of the HTTP accept headers from the browser."
    },
    "ipAddress": {
```

```

        "type": "string",
        "oneOf": [{"format": "ipv4"}, {"format": "ipv6"}],
        "description": "IP address of the browser as returned by the
HTTP headers."
    },
    "javaEnabled": {"type": "boolean"},
    "javaScriptEnabled": {"type": "boolean"},
    "language": {
        "type": "string",
        "minLength": 2,
        "maxLength": 8,
        "description": "Value representing the browser language as
defined in IETF BCP47, e.g. 'en', 'de', 'fr', 'en-US', 'en-GB', 'de-DE',
'de-AT', ..."
    },
    "colorDepth": {
        "type": "integer",
        "enum": [1, 4, 8, 15, 16, 24, 30, 32, 48],
        "description": "Value representing the bit depth of the colour
palette for displaying images, in bits per pixel."
    },
    "screenHeight": {
        "type": "integer",
        "minLength": 1,
        "maxLength": 6,
        "description": "Total height of the Cardholder's screen in
pixels."
    },
    "screenWidth": {
        "type": "integer",
        "minLength": 1,
        "maxLength": 6,
        "description": "Total width of the cardholder's screen in
pixels."
    },
    "timeZoneOffset": {
        "type": "string",
        "minLength": 1,
        "maxLength": 5,
        "description": "Time-zone offset in minutes between UTC and
the Cardholder browser local time."
    },
    "userAgent": {
        "type": "string",
        "maxLength": 2048,
        "description": "Exact content of the HTTP user-agent header."
    }
},
    "if": {
        "properties": {
            "javaScriptEnabled": {"enum": [true]}
        }
    },
    "then": {
        "required": ["acceptHeaders", "javaEnabled", "javaScriptEnabled",
"colorDepth", "screenHeight", "screenWidth", "timeZoneOffset", "language",
"userAgent"]
    },
    "else": {
        "required": ["acceptHeaders", "ipAddress", "javaScriptEnabled",
"language", "userAgent"]
    },
    "additionalProperties": false
}

```

Sample

```
{
  "acceptHeaders": "text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8",
  "ipAddress": "2001:0db8:85a3:0000:0000:8a2e:0370:7334",
  "javaEnabled": false,
  "javaScriptEnabled": true,
  "language": "en-US",
  "colorDepth": 24,
  "screenHeight": 723,
  "screenWidth": 1536,
  "timeZoneOffset": "300",
  "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.110 Safari/537.36"
}
```