



JBBROS API Version 2.2 Release Date 13-Oct-2022

API Overview

What API is good for you?

Once you know what API service you want to use, you have to determine what API is best for your use. Our API support most of Technologies, due to its generic nature.

Security

We take good possible care for providing security to avoid any inconvenience. Our API has combination of 2 Authentication parameter. UserID and API Key. The API Key is a combination of 36 Character with fix format. The Key must be generated by user before using our API. For generating the API Key one must be a registered user on our website www.jbbrothers.com. The API Parameter UserId is same as your registered userid on our website. Even if you feel to regenerate your API key, you can do it any time by Login to our website. Once you generate a new API Key, the old APIkey will be automatically disabled and no further transactions are possible with old APIkey.

IP Address Whitelist

We allow only those buyers who have registered static IP Address with us. Without whitelisting your IP you don't get data so provide us your maximum 2 Static IP Address.

Preparing Parameter for Stock Search

Recognized API Search Stock Parameter Fields:

For Searching we required few compulsory parameters, and others are optional parameter. Below described compulsory and followed by optional parameters for searching facility.

- **Red Color Indicate Compulsory Parameter**
- All Parameter Name and Parameter Value are not case sensitive

Parameter Name	Acceptable field values
APIKEY	36 Character Key This key will be generate on our website www.jbbrothers.com
USERID	The user name used to Login at www.jbbrothers.com
ACTION	F = Full Stock Search for CSV File Format FJ = Full Stock Search for JSON Format
	<i>Description of Parameter Value</i>
Shape	CUMBR,EM,FS,HRT,MQ,OV,PS,PR,RT,RD,SQEM,SQRT,TR,SQBR,RECBR,TA,ST,CUBR,CU
CaratFrom CaratTo	Enter 0.01 to 99.99 Enter 0.01 to 99.99 (Must be greater than value of CaratFrom)
Color	D,E,F,G,H,I,J,K,L,M,N,O,P
FancyColor	YELLOW,PINK,GREEN,ORANGE,BROWN,GRAY,BLUE,PURPLE,W-X,Y-Z,BLACK
Purity/ Clarity	FL,IF,VVS1,VVS2,VS1,VS2,SI1,SI2,SI3,I1,I2,I3,I4
Lab	GIA,IGI,HRD,AGS,EGL,IGC,JGS
RefNo	RegNo=1,2,3,4,5,6,7 Without Pass Action parameter
Cut	ID,EX+,EX,VG+,VG,GD+,GD,FR+,FR,PR
Symmetry	ID,EX,VG,GD,PR
Polish	ID,EX,VG,GD,PR
FL	B,F,M,S,VS

Preparing Parameter for Search Stock

Get CSV File (All Stock in single file)

Your Query string with all compulsory parameters and few Optional Parameter will be looks like as below:

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&Action=F  
&Shape=ALL&CaratFrom=1.00&CaratTo=99.99&Color=ALL&Purity=ALL&Lab=GIA
```

Get JSON Format (All Stock)

Your Query string with all compulsory parameters and few Optional Parameter will be looks like as below:

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&Action=FJ  
&Shape=ALL&CaratFrom=1.00&CaratTo=99.99&Color=ALL&Purity=ALL&Lab=GIA
```

Get Single Stone Detail

For Single Stone detail looks like as below:

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&RefNo=12  
345
```

Get Multi Stone Details

For Multiple Stone Pass RefNo with comma (,) separated looks like as below:

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&RefNo=12  
3,345,567,789
```

Preparing Parameter for Buy

Recognized API Buying Parameter Fields:

Below described compulsory and followed by optional parameters for buying facility.

- **Red Color Indicate Compulsory Parameter**
- All Parameter Name and Parameter Value are not case sensitive

Parameter Name	Acceptable field values
APIKEY	36 Character Key This key Generate on www.jbbrothers.com
USERID	The user name used to Login at www.jbbrothers.com
ACTION	B = Buying, C=Consignment Buying, H= Stone Hold
PacketList	List of / Single Ref No (RefNo Price)

Understanding:

Above described table display the Parameter and guidance to provide values for Buy stock from JB & Brothers Pvt Ltd with Web API. For Buying you need to provide Authentication first. If Authentication failed, you will get error for Invalid Login Credentials.

PacketList will have List of Packets / Ref No with Price. You need to provide "Ref No|Price" for each Ref No.

For Buy with JB API, your query string will be looks like

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&Action=B&PacketList=RefNo-1|JBPrice, RefNo-2|JBPrice
```

For Consignment Buy with JB API, your query string will be looks like

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&Action=C&PacketList= RefNo-1|JBPrice, RefNo-2|JBPrice
```

For Stone Hold with JB API, your query string will be looks like

```
https://websvr.jbbros.com/jbapi.aspx?UserId=RegisteredUserName&APIKey=APIKEY&Action=H&PacketList= RefNo-1|JBPrice, RefNo-2|JBPrice
```

Output:

Once you provide proper list of Parameter(s) with its value(s), JB API will provide you result (in JSON format) as described below.

If All parameter(s) and its value(s) are proper than, the result will be as displayed below:

```
[
  {
    "RefNo": "xxxxx",
    "Price": x.xx,
    "Status": "Error, please try again!"
  },
  {
    "RefNo": "xxxxxx",
    "Price": x.xx,
    "Status": "Packet unavailable!"
  },
  {
    "RefNo": "xxxxx",
    "Price": x.xx,
    "Status": "Invalid Ref No!"
  },
  {
    "RefNo": "xxxx",
    "Price": x.x,
    "Status": "Buying Successful."
  }
]
```

In the above output, you will have list of RefNo (which you passed) and status for each RefNo. Below is understanding of each Status:

Error, please try again	The packet properties is not matched with our current property. Please get proper value of the same RefNo and again try to buy.
Packet unavailable	The Packet (with given RefNo) is not available for now, you can try again after sometime.
Invalid Ref No	The provided RefNo is invalid
Buying Successful.	The packet is buy successfully with the given price.

Once the Buying done successfully, we are also sending a Mail to the Register Email Address with the List of RefNo (Buying Successful Only) along with Web Memo No for further reference.

Understanding For Error

Error Number	Error Text
-100	Invalid String!
-101	Invalid Parameter!
-102	Parameter is Missing!
-103	Invalid Authentication Parameter UserId, APIKey!
-104	Invalid Parameter Value!
-105	Invalid Packet List!
-106	Buying Facility is Not Accessible!
-107	Invalid Parametrer Required-(RefNo JBPrice)!
-108	Stone Consignment Facility is Not Accessible!
-109	Stone Hold Facility is Not Accessible!
-110	Invalid Packet Code List!
-111	Invalid Certificate No List!
-112	PSS - Fancy Color Goods Not Allow to Search
-113	PSS - Invalid Parametrer Required-RefNo JBPrice PSS% OfferPrice)
-114	PACKETLIST - Parameter Missing
-115	PACKETLIST - Invalid JbPrice
-116	PACKETLIST - Invalid PSS %
-117	PACKETLIST - Invalid OfferPrice
-118	PSS - Invalid Pss % PSS % Limit <#>
-119	PSS - Any one value required PSS% Or OfferPrice
-120	PSS - Invalid RefNo is <RefNo>
-121	PSS - Price Validation Error Try Again
-122	Un-Authorize Action - Invalid IPAddress

API Sample Code

[VB .Net Sample Code – JSON Data Return](#)

```
Public Function JBAPI_GetDiamond() As String
    Dim ResultReturn As String = ""
    Try
        Dim APIUrl As String =
"https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}&Shape={3}&CaratFrom={4}
&CaratTo={5}&Color={6}&Purity={7}&Lab={8}"

        Dim UserId As String = "haresh.malavia"
        Dim APIKey As String = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3"
        Dim Action As String = "FJ"
        Dim Shape As String = "RD"
        Dim Color As String = "D,E,F,G"
        Dim Purity As String = "FL,IF,VVS1,VVS2"
        Dim Lab As String = "GIA"
        Dim CaratFrom As String = "1.00"
        Dim CaratTo As String = "99.99"
        APIUrl = String.Format(APIUrl, UserId, APIKey, Action, Shape, CaratFrom, CaratTo,
Color, Purity, Lab)

        Using tClient As New WebClient()
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE
6.0) (compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)"
            ResultReturn = tClient.DownloadString(APIUrl)
        End Using
        Return ResultReturn
    Catch ex As Exception
        Return ""
    End Try
End Function
```

[VB .Net Sample Code – CSV Files](#)

```
Public Function JBAPI_GetDiamondFiles() As String
    Dim ResultReturn As String = ""
    Try
        Dim APIUrl As String =
"https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}&Shape={3}&CaratFrom={4}&Carat
To={5}&Color={6}&Purity={7}&Lab={8}"

        Dim UserId As String = "haresh.malavia"
        Dim APIKey As String = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3"
        Dim Action As String = "F"
        Dim Shape As String = "RD"
        Dim Color As String = "D,E,F,G"
        Dim Purity As String = "FL,IF,VVS1,VVS2"
        Dim Lab As String = "GIA"
        Dim CaratFrom As String = "1.00"
        Dim CaratTo As String = "99.99"
        APIUrl = String.Format(APIUrl, UserId, APIKey, Action, Shape, CaratFrom, CaratTo, Color,
Purity, Lab)

        Using tClient As New WebClient()
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)
(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)"
            tClient.DownloadFile(APIUrl, "D:\ApiData.csv")
        End Using
        Return ResultReturn
    Catch ex As Exception
        Return ""
    End Try
End Function
```

[.Net C# Sample Code – JSON Data Return](#)

```
public string JBAPI_GetDiamond()
{
    string ResultReturn = "";
    try
    {
        string APIUrl =
        "https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}&Shape={3}&CaratFrom={4}&CaratTo={5}&Color={6}&Purity={7}&Lab={8}";

        string UserId = "haresh.malavia";
        string APIKey = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3";
        string Action = "F";
        string Shape = "RD";
        string Color = "D,E,F,G";
        string Purity = "FL,IF,VVS1,VVS2";
        string Lab = "GIA";
        string CaratFrom = "1.00";
        string CaratTo = "99.99";
        APIUrl = string.Format(APIUrl, UserId, APIKey, Action, Shape, CaratFrom, CaratTo, Color, Purity, Lab);

        Using(WebClient tClient = new WebClient())
        {
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)";

            ResultReturn = tClient.DownloadStrin(APIUrl);
        }
        return ResultReturn;
    }
    catch(Exception ex) { return ""; }
}
```

[.Net C# Sample Code – CSV Files](#)

```
public string JBAPI_GetDiamondFiles()
{
    string ResultReturn = "";
    try
    {
        string APIUrl =
        "https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}&Shape={3}&CaratFrom={4}&CaratTo={5}&Color={6}&Purity={7}&Lab={8}";

        string UserId = "haresh.malavia";
        string APIKey = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3";
        string Action = "F";
        string Shape = "RD";
        string Color = "D,E,F,G";
        string Purity = "FL,IF,VVS1,VVS2";
        string Lab = "GIA";
        string CaratFrom = "1.00";
        string CaratTo = "99.99";
        APIUrl = string.Format(APIUrl, UserId, APIKey, Action, Shape, CaratFrom, CaratTo, Color, Purity, Lab);

        Using(WebClient tClient = new WebClient())
        {
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)";

            ResultReturn = tClient.DownloadFile(APIUrl, "D:\ApiData.csv");
        }
        return ResultReturn;
    }
    catch(Exception ex) { return ""; }
}
```

[.Net C# Sample Code GET FULL Stock – JSON Data Return](#)

```
public string JBAPI_GetDiamond()  
{  
    string ResultReturn = "";  
    try  
    {  
        string APIUrl = "https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}";  
        string UserId = "haresh.malavia";  
        string APIKey = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3";  
        string Action = "FJ";  
        APIUrl = string.Format(APIUrl, UserId, APIKey, Action);  
        Using(WebClient tClient = new WebClient())  
        {  
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)";  
  
            ResultReturn = tClient.DownloadStrin(APIUrl);  
        }  
        return ResultReturn;  
    }  
    catch(Exception ex) { return ""; }  
}
```

[.Net C# Sample Code GET FULL Stock – CSV Files](#)

```
public string JBAPI_GetDiamondFiles()  
{  
    string ResultReturn = "";  
    try  
    {  
        string APIUrl = "https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&Action={2}";  
        string UserId = "haresh.malavia";  
        string APIKey = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3";  
        string Action = "F";  
        APIUrl = string.Format(APIUrl, UserId, APIKey, Action);  
        Using(WebClient tClient = new WebClient())  
        {  
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)";  
  
            ResultReturn = tClient.DownloadFile(APIUrl, "D:\\ApiData.csv");  
        }  
        return ResultReturn;  
    }  
    catch(Exception ex) { return ""; }  
}
```

[.Net C# Sample Code GET Packet Details](#)

```
public string JBAPI_GetDiamondFiles()  
{  
    string ResultReturn = "";  
    try  
    {  
        string APIUrl = "https://websvr.jbbros.com/jbapi.aspx?UserId={0}&APIKey={1}&RefNo={2}";  
        string UserId = "haresh.malavia";  
        string APIKey = "F8783EF8-A100-4F87-8EA0-A655F40DF4A3";  
        string RefNo = "123456789,234567890,3456789012";  
        APIUrl = string.Format(APIUrl, UserId, APIKey, Action);  
        Using(WebClient tClient = new WebClient())  
        {  
            tClient.Headers("User-Agent") = "Mozilla/4.0 (Compatible; Windows NT 5.1; MSIE 6.0)(compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727)";  
  
            ResultReturn = tClient.DownloadStrin(APIUrl);  
        }  
        return ResultReturn;  
    }  
    catch(Exception ex) { return ""; }  
}
```



Feel free to contact us for any further assistant. it.support@jbbrothers.com, apisupport@jbbrothers.com

Thank You

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