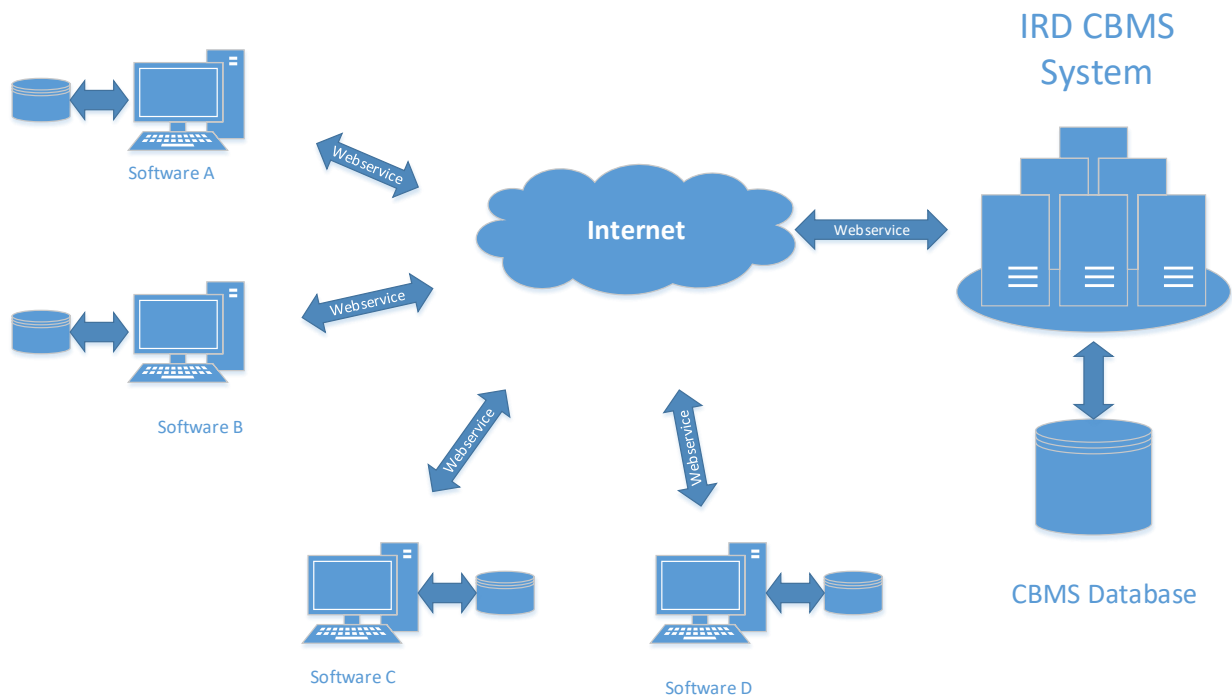


Central Billing Monitoring System API Documentation

(Updated on October 14, 2022(2079 Ashoj 28))



1. API to post bill to CBMS

- API URL: <https://cbapi.ird.gov.np/api/bill>
- To connect in Live mode Please Replace seller_pan value with PAN, username and password values with UserID and Password of Taxpayer Login. In case of change in Password of Taxpayer Login, please use the new Password here also.
- API POST Object (JSON Object)

S.N.	Fields	Type	Remark
1	username	string	
2	password	string	
3	seller_pan	string	
4	buyer_pan	string	
5	fiscal_year	string	
6	buyer_name	string	
7	invoice_number	string	
8	invoice_date	string	
9	total_sales	double	
10	taxable_sales_vat	double	
11	vat	double	
12	excisable_amount	double	
13	excise	double	
14	taxable_sales_hst	double	

15	hst	double	Health Service Tax
16	amount_for_esf	double	
17	esf	double	Education Service Fee
18	export_sales	double	
19	tax_exempted_sales	double	
20	isrealtime	bool	
21	datetimeClient	DateTime	

- API POST Response: Error/Success Code
104: model invalid
200: success
102: exception while saving bill details , Please check model fields and values
101: bill already exists
100: API credentials do not match
103: Unknown exceptions, Please check API URL and model fields and values

- □ Sample C# Code for Posting Bills.

```
using (var client = new HttpClient())
{
    client.DefaultRequestHeaders.Accept.Clear();
    client.DefaultRequestHeaders.Accept.Add(new
        MediaTypeWithQualityHeaderValue("application/json"));
    BillViewModel p = new BillViewModel
    {
        username = "Test_CBMS", password = "test@321", seller_pan = "999999999",
        buyer_pan = "123456789",
        buyer_name="", fiscal_year = "2073.074", invoice_number="102",
        invoice_date="2074.07.06", total_sales=1130,
```

```

taxable_sales_vat=1000, vat=130, excisable_amount=0, excise=0,
taxable_sales_hst=0,
hst=0, amount_for_esf=0, esf=0, export_sales=0,
tax_exempted_sales=0,isrealtime=true, datetimeclient = Datetime.now };

client.BaseAddress = new Uri("https://cbapi.ird.gov.np");

var response = client.PostAsJsonAsync("api/bill", p).Result;
if (response.IsSuccessStatusCode)
{
var responseCode = response.Content.ReadAsStringAsync();
if (responseCode.Result ==200)
    {
        Console.WriteLine(responseCode.Result);//responseCode 200 means successful
        Console.ReadLine();
    }
else {
        Console.WriteLine("Error code " + responseCode.Result);
        Console.ReadLine();
    }
} else
{
    Console.WriteLine("Error");
    Console.ReadLine();
}
}

```

2. API to post credit note (sales return) to CBMS

- API URL : <https://cbapi.ird.gov.np/api/billreturn>
- To connect in Live mode Please Replace seller_pan value with PAN, username and password values with UserID and Password of Taxpayer Login. In case of change in Password of Taxpayer Login, please use the new Password here also.
- API POST Object (JSON Object) :

S.N.	Fields	Type	Remark
1	username	string	
2	password	string	
3	seller_pan	string	
4	buyer_pan	string	
5	fiscal_year	string	
6	buyer_name	string	
7	ref_invoice_number	string	
8	credit_note_number	string	
9	credit_note_date	string	
10	reason_for_return	string	
11	total_sales	double	
12	taxable_sales_vat	double	
13	vat	double	
14	excisable_amount	double	
15	excise	double	
16	taxable_sales_hst	double	
17	hst	double	Health Service Tax
18	amount_for_esf	double	
19	esf	double	Education Service Fee
20	export_sales	double	
21	tax_exempted_sales	double	
22	isrealtime	bool	
23	datetimeClient	DateTime	

API POST Response: Error/Success Code

- 104: model invalid
- 200: success
- 102: exception while saving bill details , Please check model fields and values
- 101: bill does not exists
- 100: API credentials do not match
- 103: Unknown exceptions, Please check API URL and model fields and values
- 105: Bill does not exists (for Sales Return)

□ Sample Code C# for Posting Bill-Return (Credit Note)

```
using (var client = new HttpClient())
{
    client.DefaultRequestHeaders.Accept.Clear(
    );

    client.DefaultRequestHeaders.Accept.Add(new MediaTypeWithQualityHeaderValue("
application/json"));

    BillReturnViewModel p = new BillReturnViewModel {
        username = "Test_CBMS", password = "test@321", seller_pan = "999999999",
        buyer_pan = "123456789", buyer_name="", fiscal_year =
        "2073.074",ref_invoice_number="102", credit_note_date="2074.07.06",
        credit_note_number="1", reason_for_return= "defect in piece",
        total_sales=1130, taxable_sales_vat=1000, vat=130, excisable_amount=0,
        excise=0, taxable_sales_hst=0, hst=0, amount_for_esf=0, esf=0, export_sales=0,
        tax_exempted_sales=0,isrealtime=true, datetimeclient = Datetime.now };

    client.BaseAddress = new Uri("https://cbapi.ind.gov.np");

    var response = client.PostAsJsonAsync("api/billreturn", p).Result;
    if (response.IsSuccessStatusCode)
    {
        var responseCode = response.Content.ReadAsStringAsync();
        if (responseCode.Result ==200)
        {
            Console.Write(responseCode.Result);//responseCode 200 means successful
            Console.ReadLine();
        }
    }
}
```

```
    }  
else {  
    Console.WriteLine("Error code " + responseCode.Result);  
    Console.ReadLine();  
  
    }  
} else  
{  
    Console.WriteLine("Error");  
    Console.ReadLine();  
}  
}
```