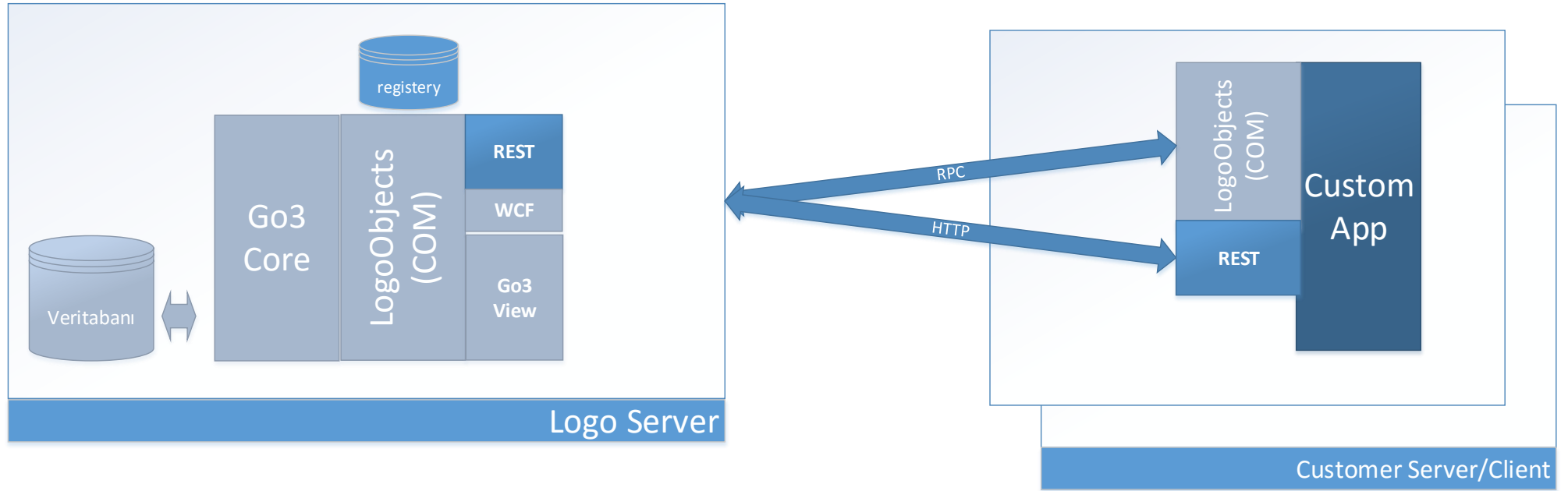


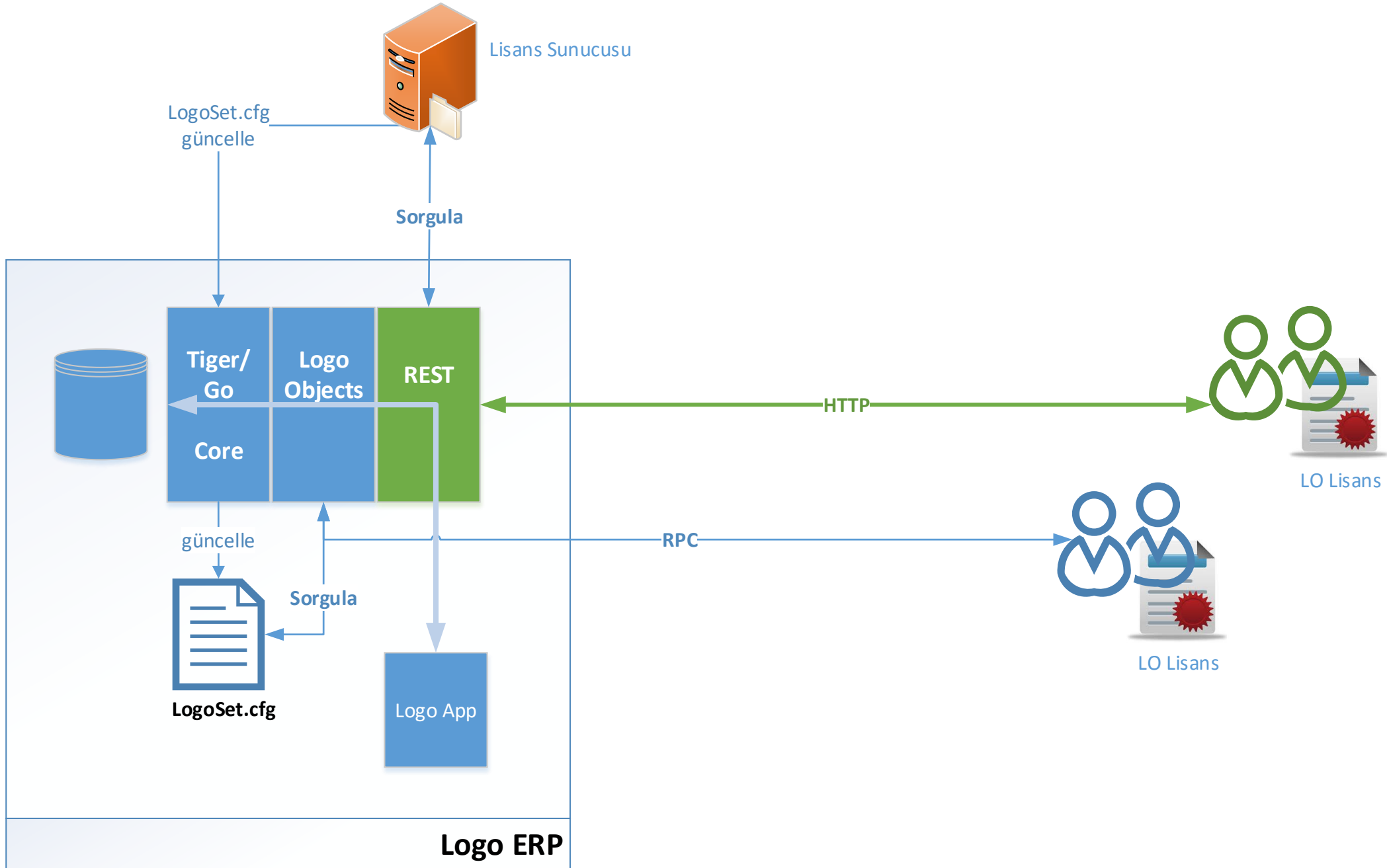
LOGO

Logo Objects/REST



- Platform Bağımsız Uygulama
- Kolay Entegrasyon
- COM - REST - WCF





Logo Objects/REST Lisans

- Veri Aktarım Aracı
- Veri Bütünlüğü
- Kolay Kullanım
- Yaygın Kullanım
- Platform Bağımlı
- Lisanslı

```
public static void AddOrderFiche()
{
    UnityObjects.Data OrderSlip = Global.UnityApp.NewDataObject(UnityObjects.DataObjectType.doPurchOrderSlip);
    OrderSlip.New();
    OrderSlip.DataFields.FieldByName("NUMBER").Value = "~";
    OrderSlip.DataFields.FieldByName("DATE").Value = "17.05.2015";
    OrderSlip.DataFields.FieldByName("TIME").Value = "09:29";
    OrderSlip.DataFields.FieldByName("ARP_CODE").Value = "CARI.01";
    OrderSlip.DataFields.FieldByName("RC_RATE").Value = 1.5;
    OrderSlip.DataFields.FieldByName("TC_RATE").Value = 2;
    OrderSlip.DataFields.FieldByName("ORDER_STATUS").Value = 1;
    OrderSlip.DataFields.FieldByName("CURRSEL_TOTAL").Value = 1;
    OrderSlip.DataFields.FieldByName("CURR_TRANSACTIN").Value = 20;

    UnityObjects.Lines OrderLine = OrderSlip.DataFields.FieldByName("TRANSACTIONS").Lines;
    OrderLine.AppendLine();
    OrderLine[OrderLine.Count - 1].FieldByName("TYPE").Value = 0;
    OrderLine[OrderLine.Count - 1].FieldByName("MASTER_CODE").Value = "1041000362";
    OrderLine[OrderLine.Count - 1].FieldByName("QUANTITY").Value = 30;
    OrderLine[OrderLine.Count - 1].FieldByName("PRICE").Value = 1000;
    OrderLine[OrderLine.Count - 1].FieldByName("VAT_RATE").Value = 18;
    OrderLine[OrderLine.Count - 1].FieldByName("UNIT_CODE").Value = "ADET";
    OrderLine[OrderLine.Count - 1].FieldByName("UNIT_CONV1").Value = 1;
    OrderLine[OrderLine.Count - 1].FieldByName("UNIT_CONV2").Value = 1;
    OrderLine[OrderLine.Count - 1].FieldByName("CURR_PRICE").Value = 160;

    OrderSlip.ApplyCampaign();
    OrderSlip.ExportToXML("SALES_ORDERS", "D:\\siparis.xml");

    if (!OrderSlip.Post())
    {
        ErrorControl(OrderSlip);
    }
}
```

- Veri Aktarım Aracı
- Multi Thread
- IIS Bağımsız
- Lisans Gerektirmez

```
int dataReference = 0;
int dataType = 3;
string dataXML =

    StringCompressor.CompressString(
        "<SALES_ORDERS>"
        + "<ORDER_SLIP DBOP=\"INS\">" // DİKKAT! -> DBOP = "UPD"
        + "<NUMBER>~</NUMBER>"
        + "<DATE>26.03.2015</DATE>"
        + "<TIME>08:00</TIME>"
        + "<ARP_CODE>CARI.01</ARP_CODE>"
        + "<CURRSEL_TOTAL>1</CURRSEL_TOTAL>"
        + "<TRANSACTIONS>"
        + "<TRANSACTION>"
        + "<TYPE>0</TYPE>"
        + "<MASTER_CODE>MALZEME.01</MASTER_CODE>"
        + "<QUANTITY>5</QUANTITY>"
        + "<PRICE>10</PRICE>"
        + "<VAT_RATE>18</VAT_RATE>"
        + "<UNIT_CODE>ADET</UNIT_CODE>"
        + "<UNIT_CONV1>1</UNIT_CONV1>"
        + "<UNIT_CONV2>1</UNIT_CONV2>"
        + "<EDT_CURR>1</EDT_CURR>"
        + "</TRANSACTION>"
        + "</TRANSACTIONS>"
        + "</ORDER_SLIP>"
        + "</SALES_ORDERS>"
    );

string paramXML =

    "<?xml version=\"1.0\" encoding=\"utf-16\"?>"
    + "<Parameters>"
    + " <ReplicMode>0</ReplicMode>"
    + " <CheckParams>1</CheckParams>"
    + " <CheckRight>1</CheckRight>"
    + " <ApplyCampaign>0</ApplyCampaign>"
    + " <ApplyCondition>0</ApplyCondition>"
    + " <FillAccCodes>0</FillAccCodes>"
    + " <FormSerilotLines>0</FormSerilotLines>"
    + " <GetStockLinePrice>0</GetStockLinePrice>"
    + " <ExportAllData>0</ExportAllData>"
    + "</Parameters>";

string errorString = "";
byte status = 32;

clientHTML.AppendDataObject(dataType, ref dataReference, ref dataXML, ref paramXML, ref errorString, ref status, "", 0, g_securitycode);
```





- **Özellikleri**

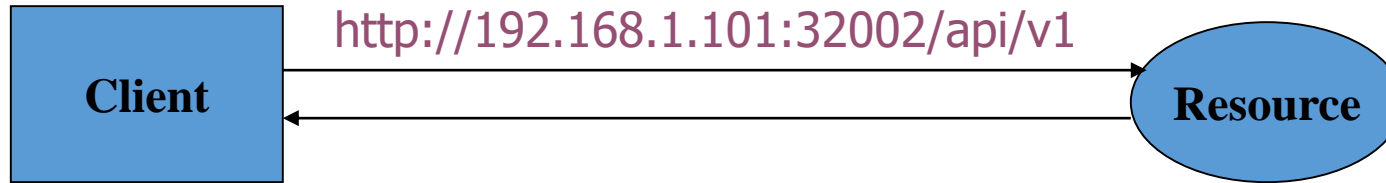
- LogoObjects Yeteneklerine Sahip
- HTTP üzerinden CRUD
- Multi Thread
- SSL ile Güvenli İletişim
- Yetkilendirilebilir Sorgulama
- JSON

- **Kullanım için**

- Sunucu
- Kurulum
- Ayarlar

	WCF Servis	REST Servis
Logo ürünleri ile birlikte kurulur	0	0
Logo Objects lisansı ile kullanılır	0	0
Data nesnelere ile işlem yapılabilir	0	0
Veri aktarım formatı	XML	JSON
Multi Thread	0	0
Servis tipi	SOAP	REST
Logo Objects metodlarına erişim	-	0
SSL bağlantı	-	0
Sorgu çalıştırabilme	0	0
Sorgu yetkilendirmesi	-	0

• REST - REpresentational State Transfer



CRUD Operations

4 main HTTP methods

	Verb	Noun
Create (Single)	POST	Collection URI
Read (Multiple)	GET	Collection URI
Read (Single)	GET	Entry URI
Update (Single)	PUT	Entry URI
Delete (Single)	DELETE	Entry URI

Request

GET /music/artists/beatles/recordings HTTP/1.1

Host: media.example.com

Accept: application/xml

Method

Resource

Response

HTTP/1.1 200 OK

Date: Tue, 08 May 2007 16:41:58 GMT

Server: Apache/1.3.6

Content-Type: application/xml; charset=UTF-8

State
transfer

<?xml version="1.0"?>

<recordings xmlns="...">

<recording>...</recording>

...

</recordings>

Representation



- http request

```
POST http://172.16.12.54:32001/api/v1/token HTTP/1.1
Accept: application/json, application/octet-stream
Content-Type: application/json; charset=utf-8
Host: 172.16.12.54:32001
Content-Length: 52
Expect: 100-continue

grant_type=password&username=LOGO&firmno=1&password=
```

- http response

```
access_token=AQAAANCMnd8BFdERjHoAWE_C1-sBAAAACgARUHB6Gk6_TovG0nCn....
```



- http request

```
GET http://172.16.12.54:32001/api/v1/glaccounts/5 HTTP/1.1
Authorization: Bearer AQAAANCMn...
Accept: application/json, application/octet-stream
Host: 172.16.12.54:32001
Connection: Keep-Alive
```

- http response

```
HTTP/1.1 200 OK
Content-Length: 1101
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Tue, 17 Nov 2015 18:17:06 GMT
```

```
{"Meta":{"href":"http://172.16.12.54:32001/api/v1/GLAccounts/5", "mediaType":"application/json; charset=UTF-8", "apiVersion":"1.0"}, "INTERNAL_REFERENCE":5, "RECORD_STATUS":..., "VATREFLOTHAREF":0}
```



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Teşekkürler