



RECEPTION VIA HTTP

This is the faster and more safe way to send data. Opta sends the data using the http Post method to a customer web page. This app has to pick up the data y process them.

The variables Content-Type and Content-Length of the header have the following values:

Content-Type: text/xml

Content-Length: length of the sent data

In addition to the variables mentioned above, in the "Header" exists the variable "**x-meta-feed-parameters**" that contains some parameters which values define the content of the received data.

x-meta-feed-parameters:

```
{"v_feed_type":"CRF","v_year_comp_id":"687","v_sport_id":"1","v_comp_id":"0","v_season_id":"2012","v_fg":"CR1_00687.Xml","v_fn":"CRF_00687_00_25.Xml"}
```

The string format is the following:

- 1.- Starting with the char "{" and ending with the char "}"
- 2.-Each parameter name and value are included between "" and with a semicolon as separator.
- 3.- The parameters are separated by the char ","

The parameters included in the string are:

v_feed_type: Define the type of content, three chars, example (fixtures: CNC, standings: CSF, etc.)

v_year_comp_id: ID de la competition in the current year/season.

v_sport_id: ID of the sport data.

v_comp_id: ID of the competition. It doesn't change with the year.

v_season_id: ID of the season. Normally the year when the competition starts.

v_fg: Generic name used by opta Spain to save the data. It doesn't contain any reference to phase/day

v_fn: Normal file name used by Opta España to save the data. It contains references to the phase/day.

When the app. receives the data have to check if them are a well-formed XML file and then returns a string with the value "OK". If not, it has to returns a string the



"ERROR" string and an error description. If a "OK" string is not returned we sender app. will assume an error took place and will retransmit the data.

Examples of apps. receiving data (PHP, ASP)

PHP code

```
<?php

// This code saves the received data in a file with OptaEs file name
// $headers = apache_request_headers();
$headers = request_headers();
$documentoxml = file_get_contents("php://input");

$ficheroopta1 = "";
$ficheroopta2 = "";
// To define the path where to save the received data, give value to this variable
$directorio = "";
//-----
// Data received from Opta-Madrid
//-----
if ( isset( $headers['x-meta-feed-parameters'] ) )
{
    $sparam = str_replace('{', ' ', $headers['x-meta-feed-parameters']);
    $sparam = str_replace('}', ' ', $sparam);
    $sparam = str_replace('"', ' ', $sparam);
    $arr = explode(" ", $sparam);
    for ($i=0; $i<count($arr); $i++)
    {
        $val = explode(":", $arr[$i]);
        switch ( $val[0] )
        {
            case "v_fn":
                $ficheroopta1 = $val[1];
                break;
            case "v_fg":
                $ficheroopta2 = $val[1];
                break;
        }
    }
}

//-----
// Path where save the data
//-----
if ( $ficheroopta1 != "" )
{
    $fichero = fopen($directorio . $ficheroopta1, "w");
    fputs($fichero, $documentoxml);
    fclose($fichero);
    if ( $ficheroopta2 != $ficheroopta1 )
    {
        $fichero = fopen($directorio . $ficheroopta2, "w");
        fputs($fichero, $documentoxml);
        fclose($fichero);
    }
}
```



```
    }
    echo "OK";

}
else
{
    echo "ERROR: file name not found. (No encuentra nombre de fichero)";
}

function request_headers()
{
    if(function_exists("apache_request_headers")) // If apache_request_headers exists...
    {
        if($headers = apache_request_headers()) // And works...
        {
            return $headers; // Use it
        }
    }
    $headers = array();
    $keytmp = "";
    foreach($_SERVER as $key => $value) {
        if(substr($key, 0, 5) == 'HTTP_') {
            $keytmp= str_replace("HTTP_", "", $key);
            $keytmp= strtolower($keytmp);
            $keytmp= str_replace("_", "-", $keytmp);
            $headers[$keytmp] = $value;
        }
    }
    return $headers;
}

?>
```

ASP code

```
<%
dim strEnviadoASCII
dim fs,fname
Dim parametros

iTotalBytes = Request.TotalBytes
strEnviadoBIN = Request.BinaryRead(iTotalBytes)

ficheroopta1 = Request.ServerVariables("HTTP_x-meta-default-filename")
if ficheroopta1 <> "" then
    ficheroopta2 = ficheroopta1
else
    x_meta_parameters = Request.ServerVariables("HTTP_x-meta-feed-parameters")
    x_meta_parameters = replace(x_meta_parameters, "{", "")
    x_meta_parameters = replace(x_meta_parameters, "}", "")
    x_meta_parameters = replace(x_meta_parameters, "''", "")
    parametros = split(x_meta_parameters, ",")
```



```
for i=0 to ubound(parametros)
    val =split(parametros(i),":")
    select case val (0)
        case "v_fn"
            ficheroopta1 = val(1)
        case "v_fg"
            ficheroopta2 = val(1)
    end select
next
end if

'-----
'      Folder where received data are stored'
'      If needed Execution folder can be obtained in the following way executioFloder= `
'      request.serverVariables("APPL_PHYSICAL_PATH")
'-----

directorio = ""
if ( ficheroopta1 <> "" ) then
    filetosave = directorio & ficheroopta1
    x =SaveBinaryData(filetosave, strEnviadoBIN)
    if ( ficheroopta2 <> ficheroopta1 ) then
        filetosave = directorio & ficheroopta2
        x =SaveBinaryData(filetosave, strEnviadoBIN)
    end if
    response.write("OK")
else
    response.write("ERROR: Sin valor en atributo nombre de fichero a salvar")
end if

response.End

Function SaveBinaryData(FileName, ByteArray)
    Const adTypeBinary = 1
    Const adSaveCreateOverWrite = 2

    'Create Stream object
    Dim BinaryStream
    Set BinaryStream = CreateObject("ADODB.Stream")

    'Specify stream type - we want To save binary data.
    BinaryStream.Type = adTypeBinary

    'Open the stream And write binary data To the object
    BinaryStream.Open
    BinaryStream.Write ByteArray

    'Save binary data To disk
    BinaryStream.SaveToFile FileName, adSaveCreateOverWrite

End Function
```

