



ERASMUS+

Enriching lives, opening minds

WEB-TECHNOLOGIES

BACKEND – SERVER SIDE PROGRAMMING

 ASP.NET
Webforms

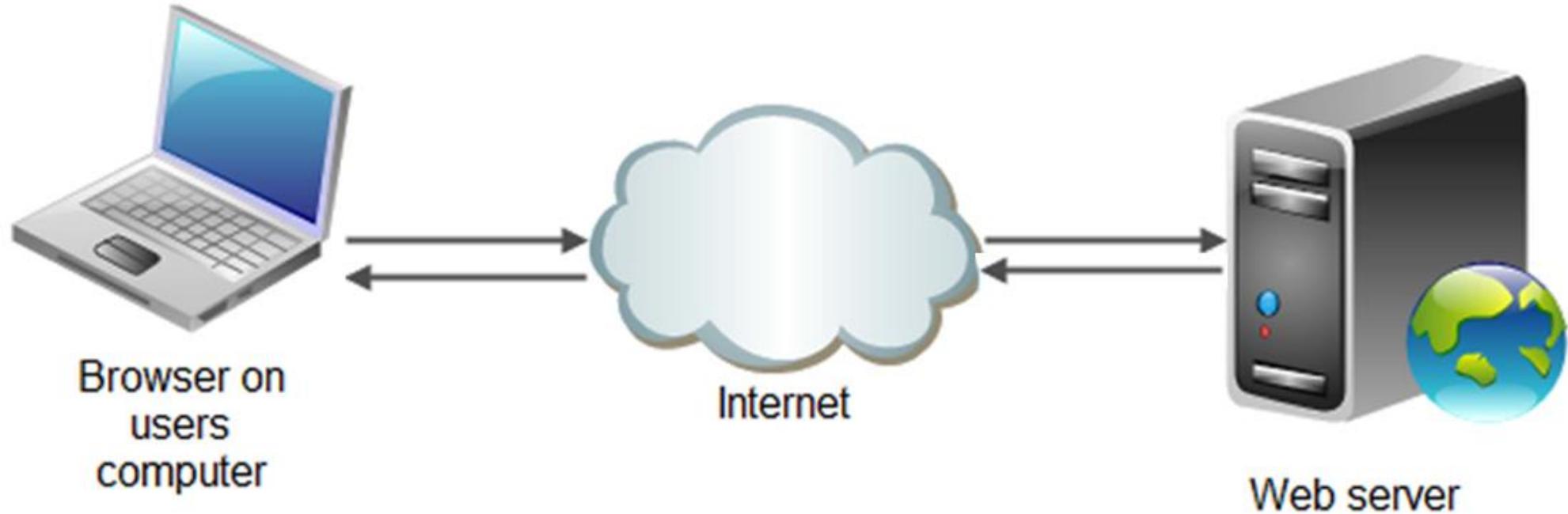
www.confucius.by

YAROSHEVICH
Andrey Olegovich

www.YAROSHEVICH.com
ao@dot.net.by
+375 29 254-07-92

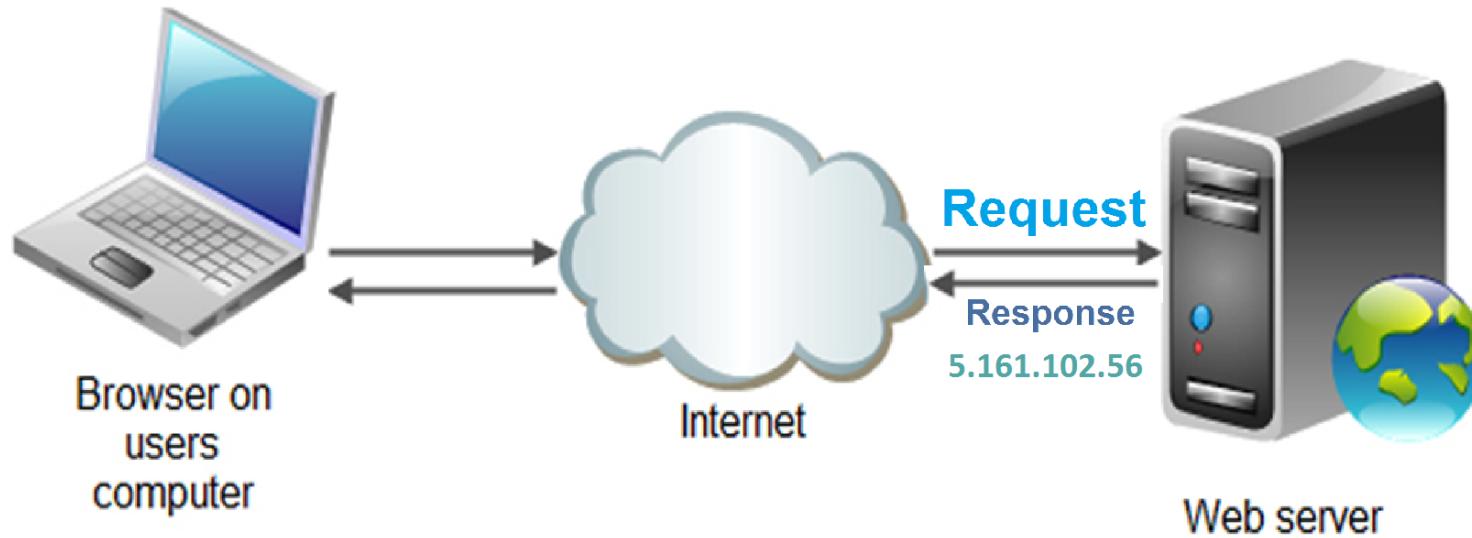
1. The browser forms a request to the server using the HTTP protocol.

2. The server analyzes the browser request and extracts the required file from the local storage.



4. The browser converts the HTML code into an image.

3. The server generates an HTTP response that includes the required information and sends it to the browser via HTTP.



ASP.NET page
Default.aspx
Context.Request.UserHostAddress;

Context.Request.UserHostAddress;

Compilators **CSC**
vbc

Response
5.161.102.56

.NET CLR
Runtime

IL **Disk**

ASP.NET Principles:

For the presentation of information on the site, not pages with HTML code are used, but server pages of special syntax (which is often is HTML-like).

```
<form id="form1" runat="server">  
<asp:Label ID="Label1" runat="server"></asp:Label>  
</form>
```

In addition, the asp.net page contains code, for example in the C# programming language

```
string ip;  
ip = Context.Request.UserHostAddress;  
Label1.Text = "IP=" + ip;
```

IP=5.161.102.56

The calculated value is sent to the user - the result of executing the C Sharp code