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Continues From [Part 8](#)

How to get IP addresses of visitors.

As promised, in this refinement I'll get the IP address of the visitor and show inside a formatted division to visitors who come to the contact page. You can use the code inside any other page of your choice. First let me put the final code here for your consideration (download **PHP** code in Zip format [here](#) or open the code in text format [here](#)).

```
1 <!DOCTYPE html>
2 <!--
3 Created by Peter Joneses 10 February, 2014
4 www.codesforus.blogspot.com
5 copyrights
6 -->
7 <html>
8     <head>
9         <title> Demo-Final: Dysprosium Contact Form, Get IP</title>
10        <meta charset="UTF-8">
11        <meta name="viewport" content="width=device-width">
12        <script type="text/javascript">
13            var RecaptchaOptions = {
14                theme: 'white'
15            };
16        </script>
17        <style>
18            #contact-wrapper {
19                margin: 20px auto;
20                border: 2px solid #ccc;
21                border-radius: 5px;
22                padding: 20px 50px 20px 50px;
23                background: transparent;
24                width: 600px;
25            }
26            #contact-area {
27                width: 600px;
28                margin-top: 25px;
29            }
30            #contact-area label {
31                float: left;
32                margin-right: 15px;
33                padding-top: 5px;
34                width: 100px;
35                text-align: right;
36                font-size: 100%;
37            }
38            #contact-area input, #contact-area textarea {
39                margin: 0px 0px 10px 0px;
40                border: 2px solid #ccc;
```

```

41         border-radius: 5px;
42         padding: 5px;
43         width: 471px;
44         font-family: Helvetica, sans-serif;
45         font-size: 110%;
46     }
47     #contact-area textarea {
48         height: 90px;
49     }
50     #contact-area textarea:focus, #contact-area input:focus {
51         border: 2px solid #900;
52     }
53     #contact-area input.submit-button {
54         float: left;
55         cursor: pointer;
56         margin-top:10px;
57         margin-left:112px;
58         background: transparent;
59         width: 100px;
60         font-size: 100%;
61         color: #024d8e
62     }
63     #contact-area input[type="submit"]:hover{
64         border: 2px solid #900;
65     }
66     #recaptcha_widget_div {
67         margin-top: 20px;
68         margin-bottom: 10px;
69         margin-left: 112px;
70     }
71     #recaptcha_fail_div {
72         margin-top: 20px;
73         margin-bottom: 10px;
74         margin-left: 112px;
75         border:medium groove #A00;
76         border-radius: 5px;
77         border:medium groove #A00;
78         padding:3px;
79         background-color:transparent;
80         width:350px;
81         color:#900;
82         font-weight:bold;
83         font-size:80%;
84     }
85     </style>
86     </head>
87     <body>
88         <div id="contact-wrapper">
89             <div id="contact-area">
90                 <form method="post" action="">
91                     <label for="Name"><span style="color: red; font-size:

```

```

92 100%">*&nbsp;</span>Name:</label>
93         <input type="text" name="Name" id="Name" value="<?php
94 echo isset($_POST['Name']) ? $_POST['Name'] : '' ?>" />
95
96         <label for="City">City:</label>
97         <input type="text" name="City" id="City" value="<?php
98 echo isset($_POST['City']) ? $_POST['City'] : '' ?>" />
99
100        <label for="Email"><span style="color: red; font-size:
101 100%">*&nbsp;</span>Email:</label>
102        <input type="text" name="Email" id="Email" value="<?php
103 echo isset($_POST['Email']) ? $_POST['Email'] : '' ?>" />
104
105        <label for="Subject">Subject:</label>
106        <input type="text" name="Subject" id="Subject"
107 value="<?php echo isset($_POST['Subject']) ? $_POST['Subject'] : '' ?>" />
108
109        <label for="Message"><span style="color: red; font-
110 size: 100%">*&nbsp;</span>Message:</label>
111        <textarea name="Message" rows="20" cols="20"
112 id="Message"><?php echo isset($_POST['Message']) ? $_POST['Message'] : '' ?
113 ></textarea>
114
115        <p style="margin:20px auto 10px 112px;">Fields shown by
116 <span style="color: red; font-size: 100%">*&nbsp;</span> are required.</p>
117        <div id="recaptcha_widget_div">
118            <?php
119                require_once('recaptchalib.php');
120                $publickey = "6LcJA-
121 sSAAAAAPVPHLiHjGTlkhUWhLX2Luj3hS85"; // you got this from the signup page
122                echo recaptcha_get_html($publickey);
123            ?>
124        </div>
125        <input type="submit" name="submit" value="Submit"
126 class="submit-button" />
127    </form>
128    <div style="clear: both;">
129    </div>
130    <?php
131        $visitor_ip = getVisitorIP();
132        $hdshake =null;
133        if( isset($_POST['submit']) ) {
134            $error = null;
135            require_once('recaptchalib.php');
136            $privatekey = "6LcJA-
137 sSAAAAABCEyOe_wqfheVwxfu4L9idhqhv";
138            $Name = Trim(stripslashes($_POST['Name']));
139            $City = Trim(stripslashes($_POST['City']));
140            $Email = Trim(stripslashes($_POST['Email']));
141            $Subject = Trim(stripslashes($_POST['Subject']));
142            $Message = Trim(stripslashes($_POST['Message']));

```

```

143     $hdshake .= '<li>Your IP :&nbsp;'. $visitor_ip
144 . '</li>';
145     $hdshake .= '<li>Your eMail :&nbsp;'.
146 $Email.'</li>';
147     echo '<div id="recaptcha_fail_div"><ul>'. $hdshake
148 . '</ul></div>';
149     if( !empty($Email) ){
150         list($emailPart, $domainPart) = explode('@',
151 $Email);
152         $one=filter_var($Email, FILTER_VALIDATE_EMAIL);
153         $two=MailIPAddress($domainPart);
154         if (!(($one) && ($two))) {
155             $error .= '<li>Email is invalid .</li>';
156             echo '<div id="recaptcha_fail_div"> <ul>'.
157 $error . '</ul></div>';
158             exit();
159         }
160     }
161     $error .= ( empty($Name) ) ? '<li>Please enter
162 your name.</li>' : null;
163     $error .= ( empty($Email) ) ? '<li>Blank Email is
164 not accepted.</li>' : null;
165     $error .= ( empty($Message) ) ? '<li>Please enter
166 some comments or questions.</li>' : null;
167
168     $resp = recaptcha_check_answer ($privatekey,
169
170 $_SERVER["REMOTE_ADDR"],
171
172 $_POST["recaptcha_challenge_field"],
173
174 $_POST["recaptcha_response_field"]);
175     $error .= ( !($resp->is_valid) ) ? '<li>The captcha
176 code entered is incorrect .</li>' : null;
177     if (!empty($error)) {
178         // What happens when the CAPTCHA was entered
179 incorrectly
180         echo '<div id="recaptcha_fail_div"> <ul>'.
181 $error . '</ul></div>';
182         exit();
183     }
184     //Next send contact to website admin.
185     $EmailToAdmin =
186 "carlo.dj@messiahpsychoanalyst.org"; //Put your website admin email here.
187 Don't forget quotes.
188     // body of the email your own admin receives
189     $Body = "RE: Contact from visitors";
190     $Body .= "\n";
191     $Body .= "Name: ";
192     $Body .= $Name;
193     $Body .= "\n";

```

```

194     $Body .= "City: ";
195     $Body .= $City;
196     $Body .= "\n";
197     $Body .= "Subject: ";
198     $Body .= $Subject;
199     $Body .= "\n";
200     $Body .= "Email: ";
201     $Body .= $Email;
202     $Body .= "\n";
203     $Body .= "Visitor's IP: ";
204     $Body .= $visitor_ip;
205     $Body .= "\n";
206     $Body .= "Message: ";
207     $Body .= "\n";
208     $Body .= $Message;
209     $Body .= "\n";
210     // send email to admin
211     $posted = mail($EmailToAdmin, $Subject, $Body,
212 "From: <$Email>");
213     // redirect to thanks page
214     if ($posted){
215         echo '<div style=\'margin-top: 20px; margin-
216 left:112px; border: 2px groove blue; border-radius:5px; padding-left: 10px;
217 width:400px;\'>
218             <p>Thanks By <a
219 href="http://messiahpsychoanalyst.org">Dysprosium</a></p>
220             <hr style=\'margin: 1px auto 1px auto;
221 height: 1px; color: #fefefe; width: 82%;\'/>
222             <h1>Your message has been sent! Thanks
223 for Your Message!</h1>
224             <p><a href="Default.html">Click to go
225 to Home page!</a></p>
226             </div>';
227     //After thank you send an email containing his
228 message to the visitor
229     // prepare email body text
230     $Body = " Madam/Sir,\n Thank you for your
231 message.\n Dysprosium.\n";
232     $Body .= "
233 =====\n\n";
234     $Body .= "Name: ";
235     $Body .= $Name;
236     $Body .= ", Esq.";
237     $Body .= "\n";
238     $Body .= "From: ";
239     $Body .= $City;
240     $Body .= "\n";
241     $Body .= "Email: ";
242     $Body .= $Email;
243     $Body .= "\n";
244     $Body .= "Subject: ";

```

```

        $Body .= $Subject;
        $Body .= "\n";
        $Body .= "Message: ";
        $Body .= "\n";
        $Body .= $Message;
        $Body .= "\n";
        // send email
        mail($Email, $Subject, $Body, "From:
<$EmailToAdmin>");
    }
}
245
246     else{
247         echo '<div id="recaptcha_fail_div">&nbsp;&nbsp;&nbsp;Your
248 IP :&nbsp;&nbsp;&nbsp;'. $visitor_ip .'</div>';
249     }
250     ?>
251     </div>
252 </div>
253 <?Php
254     /**
255     * http://www.electrictoolbox.com/php-get-mail-server-ip-
256 address/
257     * Get a mail server's IP address with PHP
258     * Posted November 9th, 2012 in PHP by Chris Hope
259     * Returns an IP address that mail can be delivered to for the
260 passed in domain.
261     *
262     **/
263     function MailIPAddress($domain) {
264         $ip = false;
265         $records = dns_get_record($domain, DNS_MX);
266         $priority = null;
267         foreach ($records as $record) {
268             if ($priority == null || $record['pri'] < $priority) {
269                 $myip = gethostbyname($record['target']);
270                 // if the value returned is the same, then the
271 lookup failed
272                 if ($myip != $record['target']) {
273                     $ip = $myip;
274                     $priority = $record['pri'];
                }
            }
        }
        if (!$ip) {
            $ip = gethostbyname($domain);
            // if the value returned is the same, then the lookup
failed
            if ($ip == $domain) {
                $ip = false;
            }
        }
    }
}

```

```

        return $ip;
    }
?>
<?php
    function getVisitorIP() {
        $client = @$_SERVER['HTTP_CLIENT_IP'];
        $forward = @$_SERVER['HTTP_X_FORWARDED_FOR'];
        $remote = $_SERVER['REMOTE_ADDR'];
        if (filter_var($client, FILTER_VALIDATE_IP)) {
            $ip = $client;
        }
        else {
            if (filter_var($forward, FILTER_VALIDATE_IP)) {
                $ip = $forward;
            }
            else {
                $ip = $remote;
            }
        }
        return $ip;
    }
?>
</body>
</html>

```

Look at lines (254) to (272). A function has been added that returns **IP** address using **PHP** standard methods. This is very crude implementation of **PHP** and those methods should be guarded, in principle, against access to any global. Nevertheless it works for now and interested individual can do better by gaining deeper knowledge of **PHP**.

At line (130) visitor's **IP** has filled variable `$visitor_ip` to be displayed later with an **echo** command. Line (131) defines a `$hdshake` variable to show a formatted phrase for `$visitor_ip` and `$Email` of the visitor.

```

130 $visitor_ip = getVisitorIP();
131 $hdshake =null;

```

If the visitor has attempted the contact form, then lines (141) to (143) display their **IP** and email.

```

141 $hdshake .= '<li>Your IP :&nbsp;'. $visitor_ip .'\</li>';
142 $hdshake .= '<li>Your eMail :&nbsp;'. $Email .'\</li>';
143 echo '<div id="recaptcha_fail_div"><ul>'. $hdshake .'\</ul></div>';

```

Otherwise, if the visitor has just landed on the contact form page, the page only displays his **IP**. this is reflected in the **else** phrase in lines (216) to (218).

```

216 else{
217     echo '<div id="recaptcha_fail_div">&nbsp;&nbsp;Your IP :&nbsp;'.
218 $visitor_ip .'\</div>';
    }

```

Meanwhile note lines (174) to (176), where you have sent the visitor's **IP** back for yourself for having further information to keep in your own database.

```

174 $Body .= "Visitor's IP: ";
175 $Body .= $visitor_ip;
176 $Body .= "\n";

```

This is the snap-shot of page when visitor lands on page.

* Name:

City:

* Email:

Subject:

* Message:

Fields shown by * are required.

favorable *atkiand*

Type the text  reCAPTCHA™ stop spam, read books.

[Privacy & Terms](#)



Your IP : 87.114.74.299

Above **IP** has been painted to a wrong number to avoid coincidence with some people's real **IP**. You can check yours by [clicking here](#), please. In the [next article](#) we collect IP's of every visit in a text file.

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