

POP3 郵件認證範例

引用自：<http://www.knowsky.com/796.html>

test_pop3.php

```
<?
require("pop3.php");

$user="user";
$password="passwd";
$apop=0;
$pop3_connection=new pop3_class;
$pop3_connection->hostname="mail.xiaocui.com";
if(($error=$pop3_connection->Open())=="")
{
    echo "<PRE>Connected to the POP3 server
    &quot;$pop3_connection->hostname&quot;.</PRE>\n";

    if(($error=$pop3_connection->Login($user, $password, $apop))=="")
    {
        echo "<PRE>User &quot;$user&quot; logged in.</PRE>\n";
        if(($error=$pop3_connection->Statistics(&$messages, &$size))=="")
        {
            echo "<PRE>There are <b>$messages</b> messages in the mail box with a
total of <b>$size</b> bytes.</PRE>\n";
            $result=$pop3_connection->ListMessages("", 0);
            if(GetType($result)=="array")
            {
                for(Reset($result),$message=0;
                    $message<count($result);Next($result),$message++)
                    echo "<PRE>Message ",Key($result)," - ",$result[Key($result)],"
bytes.</PRE>\n";
                if($messages>0)
                {
                    if(($error=$pop3_connection->RetrieveMessage(1, &$headers,
&$body,-1))=="")
```

```

        {
            echo "<PRE>Message 1:\n---Message headers starts
below---</PRE>\n";
            for($line=0;$line<count($headers);$line++)
                echo "<PRE>",HtmlSpecialChars($headers[$line]),"</PRE>\n";
            echo "<PRE>---Message headers ends above---\n---Message body
starts below---</PRE>\n";
            for($line=0;$line<count($body);$line++)
                echo "<PRE>",HtmlSpecialChars($body[$line]),"</PRE>\n";
            echo "<PRE>---Message body ends above---</PRE>\n";
        }
    }
    if($error==""&&($error=$pop3_connection->Close())=="")
        echo "<PRE>Disconnected from the POP3 server
"$pop3_connection->hostname".</PRE>\n";
    }
    else
        $error=$result;
    }
}
}
if($error!="")
    echo "<H2>Error: ",HtmlSpecialChars($error),"</H2>";
?>

```

pop3.php

```
<?php
class pop3_class
{
    var $hostname="";
    var $port=110;

    var $connection=0;
    var $state="DISCONNECTED";
    var $greeting="";
    var $must_update=0;
    var $debug=0;

    Function OutputDebug($message)
    {
        echo $message,"<br>\n";
    }

    Function GetLine()
    {
        for($line="";;)
        {
            if(feof($this->connection))
                return(0);
            $line.=fgets($this->connection,100);
            $length=strlen($line);
            if($length>=2 && substr($line,$length-2,2)=="\r\n")
            {
                $line=substr($line,0,$length-2);
                if($this->debug)
                    $this->OutputDebug("< $line");
                return($line);
            }
        }
    }

    Function PutLine($line)
    {
        if($this->debug)
            $this->OutputDebug("> $line");
        return(fputs($this->connection,"$line\r\n"));
    }

    Function OpenConnection()
    {
        if($this->hostname=="")
            return("2 it was not specified a valid hostname");
        switch(($this->connection=fsockopen($this->hostname,$this->port)))
        {
            case -3:
```

```

        return("-3 socket could not be created");
    case -4:
        return("-4 dns lookup on hostname \"\$hostname\" failed");
    case -5:
        return("-5 connection refused or timed out");
    case -6:
        return("-6 fdopen() call failed");
    case -7:
        return("-7 setvbuf() call failed");
    default:
        return("");
    }
}

Function CloseConnection()
{
    if($this->connection!=0)
    {
        fclose($this->connection);
        $this->connection=0;
    }
}

Function Open()
{
    if($this->state!="DISCONNECTED")
        return("1 a connection is already opened");
    if(($error=$this->OpenConnection())!="")
        return($error);
    $this->greeting=$this->GetLine();
    if(GetType($this->greeting)!="string" || strtok($this->greeting, " ") != "+OK")
    {
        $this->CloseConnection();
        return("3 POP3 server greeting was not found");
    }
    $this->greeting=strtok("\r\n");
    $this->must_update=0;
    $this->state="AUTHORIZATION";
    return("");
}

Function Close()
{
    if($this->state == "DISCONNECTED")
        return("no connection was opened");
    if($this->must_update)
    {
        if($this->PutLine("QUIT") == 0)
            return("Could not send the QUIT command");
        $response=$this->GetLine();
        if(GetType($response) != "string")
            return("Could not get quit command response");
    }
}

```

```

        if(strtok($response," ") != "+OK")
            return("Could not quit the connection: ".strtok("\r\n"));
    }
    $this->CloseConnection();
    $this->state="DISCONNECTED";
    return("");
}

Function Login($user,$password,$apop)
{
    if($this->state != "AUTHORIZATION")
        return("connection is not in AUTHORIZATION state");
    if($apop)
    {
        if($this->PutLine("APOP $user ".md5($this->greeting.$password))==0)
            return("Could not send the APOP command");
        $response=$this->GetLine();
        if(GetType($response) != "string")
            return("Could not get APOP login command response");
        if(strtok($response," ") != "+OK")
            return("APOP login failed: ".strtok("\r\n"));
    }
    else
    {
        if($this->PutLine("USER $user") == 0)
            return("Could not send the USER command");
        $response=$this->GetLine();
        if(GetType($response) != "string")
            return("Could not get user login entry response");
        if(strtok($response," ") != "+OK")
            return("User error: ".strtok("\r\n"));
        if($this->PutLine("PASS $password") == 0)
            return("Could not send the PASS command");
        $response=$this->GetLine();
        if(GetType($response) != "string")
            return("Could not get login password entry response");
        if(strtok($response," ") != "+OK")
            return("Password error: ".strtok("\r\n"));
    }
    $this->state="TRANSACTION";
    return("");
}

/* Statistics method - pass references to variables to hold the number of
   messages in the mail box and the size that they take in bytes. */

Function Statistics($messages, $size)
{
    if($this->state != "TRANSACTION")
        return("connection is not in TRANSACTION state");
    if($this->PutLine("STAT") == 0)
        return("Could not send the STAT command");
}

```

```

$response=$this->GetLine();
if(GetType($response) != "string")
    return("Could not get the statistics command response");
if(strtok($response, " ") != "+OK")
    return("Could not get the statistics: ".strtok("\r\n"));
$messages=strtok(" ");
$size=strtok(" ");
return("");
}

```

```

Function ListMessages($message, $unique_id)
{
    if($this->state!="TRANSACTION")
        return("connection is not in TRANSACTION state");
    if($unique_id)
        $list_command="UIDL";
    else
        $list_command="LIST";
    if($this->PutLine("$list_command $message") == 0)
        return("Could not send the $list_command command");
    $response=$this->GetLine();
    if(GetType($response) != "string")
        return("Could not get message list command response");
    if(strtok($response, " ") != "+OK")
        return("Could not get the message listing: ".strtok("\r\n"));
    if($message=="")
    {
        for($messages=array(;;))
        {
            $response=$this->GetLine();
            if(GetType($response) != "string")
                return("Could not get message list response");
            if($response == ".")
                break;
            $message=intval(strtok($response, " "));
            if($unique_id)
                $messages[$message] = strtok(" ");
            else
                $messages[$message] = intval(strtok(" "));
        }
        return($messages);
    }
    else
    {
        $message = intval(strtok(" "));
        return(intval(strtok(" ")));
    }
}

```

```

Function RetrieveMessage($message, $headers, $body, $lines)
{
    if($this->state != "TRANSACTION")

```

```

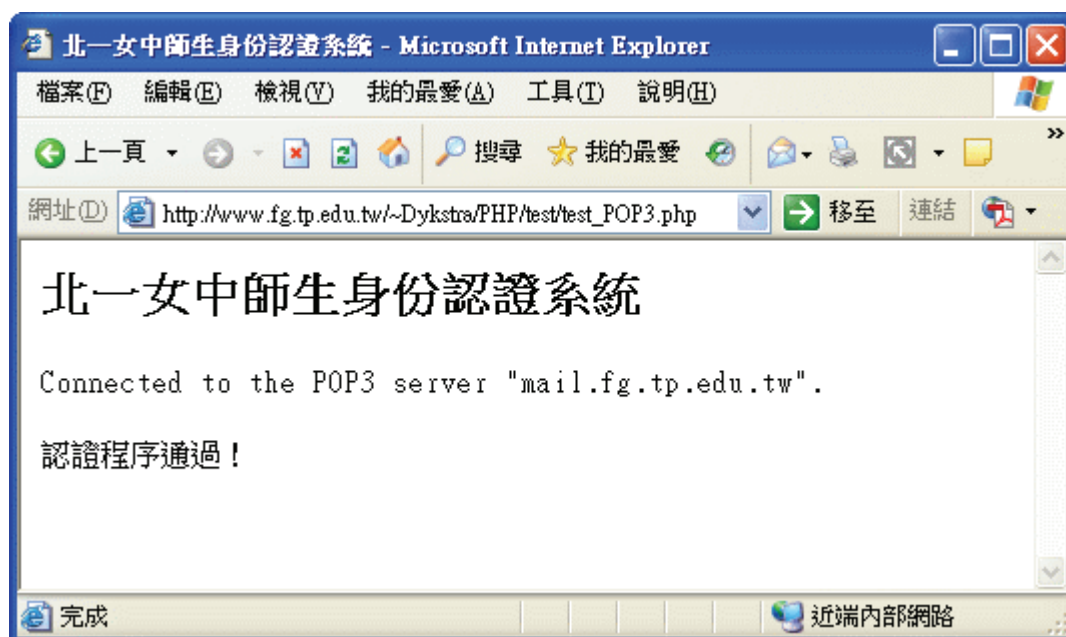
        return("connection is not in TRANSACTION state");
    if($lines < 0)
    {
        $command = "RETR";
        $arguments = "$message";
    }
    else
    {
        $command = "TOP";
        $arguments = "$message $lines";
    }
    if($this->PutLine("$command $arguments") == 0)
        return("Could not send the $command command");
    $response = $this->GetLine();
    if(GetType($response) != "string")
        return("Could not get message retrieval command response");
    if(strtok($response, " ") != "+OK")
        return("Could not retrieve the message: ".strtok("\r\n"));
    for($headers=$body=array(),$line=0 ; ; $line++)
    {
        $response=$this->GetLine();
        if(GetType($response) != "string")
            return("Could not retrieve the message");
        switch($response)
        {
            case ".":
                return("");
            case "":
                break 2;
            default:
                if(substr($response,0,1) == ".")
                    $response=substr($response, 1, strlen($response)-1);
                break;
        }
        $headers[$line] = $response;
    }
    for($line=0 ; ; $line++)
    {
        $response = $this->GetLine();
        if(GetType($response) != "string")
            return("Could not retrieve the message");
        switch($response)
        {
            case ".":
                return("");
            default:
                if(substr($response,0,1) == ".")
                    $response=substr($response, 1, strlen($response)-1);
                break;
        }
        $body[$line] = $response;
    }
}

```

```
        return("");  
    }  
};  
?>
```

北一女中利用 **POP3** 認證師生身份的小程式

畫面：



程式碼：

```

<body>
<h1 class="Title">北一女中師生身份認證系統
</h1>
<?php
    include("pop3.php");
    $account = $_REQUEST['txtAccount'];
    $passwd = $_REQUEST['txtPasswd'];
    $apop = 0;
    if (!empty($account) && !empty($passwd))
    {
        $pop3_connection=new pop3_class;
        $pop3_connection->hostname="mail.fg.tp.edu.tw";
        if(($error=$pop3_connection->Open())=="") // connection ok
        {
            echo "<PRE>Connected to the POP3 server
            &quot;$pop3_connection->hostname&quot;.</PRE>\n";
            if(($error=$pop3_connection->Login($account,$passwd,$apop))=="") //
login ok
                echo "認證程序通過！";
            else
                echo "認證失敗！";
        }
    }
    else
    {
?>
<form action="" method="post" name="form1" target="_self">
    <p>電子郵件帳號：
        <input name="txtAccount" type="text" id="txtAccount"> @fg.tp.edu.tw</p>
    <p>密碼：
        <input name="txtPasswd" type="password" id="txtPasswd">
        <input type="submit" name="Submit" value="驗證">
    </p>
</form>
<?php
    }
?>
</body>

```