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PHP Errors (Cont.)

Creating a Custom Error Handler

A custom error handler creates a special function that can be called when an error occurs in PHP. This example checks whether the given URL starts with the “http://.” It uses the following functions:

- The functions [strncmp](#) compares two strings and [header](#) sends a raw HTTP header to a client.
- The function [trigger_error](#) is used to trigger an error message at a user-specified condition.
- The function [set_error_handler](#) sets a user-defined function to handle errors. It needs one parameter and a second parameter could be added to specify an error level as below.

```
<html><body>
<?php
    // Error handler function
    function customError( $errno, $errstr ) {
        echo "<b>Error:</b> [$errno] $errstr<br />";
        echo "Ending Script";
        die( );
    }

    // Set error handler
    set_error_handler( "customError", E_USER_WARNING );

    // Trigger error
    $URL = "http://www.cnn.com/";
    if ( strncmp( $URL, "http://", 7 ) == 0 )
        header( "Location: $URL" );
    else
        trigger_error( "The URL must start with 'http://'", E_USER_WARNING );
?>
</body></html>
```

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These error report levels are the different types of error the user-defined error handler can be used for:

Value	Constant	Description
2	<code>E_WARNING</code>	Non-fatal run-time errors. Execution of the script is not halted.
8	<code>E_NOTICE</code>	Run-time notices. The script found something that might be an error, but could also happen when running a script normally.
256	<code>E_USER_ERROR</code>	Fatal user-generated error. This is like an <code>E_ERROR</code> set by the programmer using the PHP function <code>trigger_error</code> .
512	<code>E_USER_WARNING</code>	Non-fatal user-generated warning. This is like an <code>E_WARNING</code> set by the programmer using the PHP function <code>trigger_error</code> .
1024	<code>E_USER_NOTICE</code>	User-generated notice. This is like an <code>E_NOTICE</code> set by the programmer using the PHP function <code>trigger_error</code> .
4096	<code>E_RECOVERABLE_ERROR</code>	Catchable fatal error. This is like an <code>E_ERROR</code> but can be caught by a user defined handle.
8191	<code>E_ALL</code>	All errors and warnings, except level <code>E_STRICT</code> .

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