Files and Web Services



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Introduction



Sending Files

Receiving Files

Security Considerations



Receiving Files

POST requests PUT requests



Submitting Single POSTed Files



Receiving Single POSTed File

```
<?php
```

https://www.php.net/manual/en/features.file-upload.errors.php



Receiving Single POSTed File

```
<?php

$filename = $_FILES['myFile']['tmp_name'];

echo is_uploaded_file($filename);  // TRUE is $filename was uploaded with POST

echo move_uploaded_file($filename, '/some/path');

// TRUE if POSTed file moved successfully</pre>
```



Submitting Multiple POSTed Files



Submitting Multiple POSTed Files



Receiving Multiple POSTed File

```
<?php

$fileInfo = $_FILES['myFiles'];  // access uploaded files

$param = $_FILES['myFile'][param][index];  // params stored in indexed arrays
?>
```



Receiving PUT Files

```
<?php
     $putdata = fopen('php://input', 'r');
     $dest = fopen('dest.txt', 'w');
     while ($data = fread($putdata, 1024)) {
           fwrite($dest, $data);
     fclose($dest);
     fclose($putdata);
```

Security Considerations



Configure the web server properly



Quarantine uploaded files



Check for path navigation in uploaded file names (e.g. ../foo.txt) before using



Consider setting open_basedir and doc_root in php.ini



Use is_uploaded_file() and move_uploaded_file() for POSTed files



Summary



Sending Files

Receiving Files

Security Considerations



Course Outline

Managing Files

Other Files Operations

Working with the Filesystem

Files and Web Services

