Subject: multipart/form-data parsing with multi file upload support
Posted by Mindtraveller on Wed, 01 Aug 2012 12:09:20 GMT
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Recently I've made a helper function which parses multipart/form-data. Field entries are added to output VectorMap and attached files are saved directly to disk. The main idea was to avoid large memory requirements even for big uploaded files due to streaming (which is critical for web servers).
The function supports multi file upload (multipart/mixed) data.

```
bool ParseFormData(
 Socket                &socket,
 dword                 timeout,
 const String          &contentType,
 const String          &dir,
 bool                  isFieldsListOnly,
 VectorMap<String,String> &fields,
 VectorMap<String,String> &files,
 const int             maxFileSize = 100*1024*1024
 )
```

contentType is the string from http headers ("Content-type: ...").
dir - directory to save files to.
isFieldsListOnly - is an option to get only those fields and files which are needed (you add them to fields and files list prior to function call).

The output is fields and files maps, where fields filled with field values and files are filled with filenames.

I did not have a chance to test it thoroughly (but it successfully passed a number of test examples), so I'd be glad if anyone give me any feedback on it.

The test source with function and small example is included. Hope this helps someone.

UPDATE: test data file added.

## File Attachments

1) test_filemapping.tar.gz, downloaded 370 times