



**CHANTHEL**  
Document Management System

**Dokumentasi Chanthel  
API**



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# 1. Upload File

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## 1.1 Upload File with URL

Ketika Client meminta request untuk upload File melalui URL, pada Address bar masukkan URL berdasarkan request, misalnya:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=upload&fname=chanthel.txt&fpath=/drives/d/247/Dokumen/Chanthel&pid=231
```

### Request :

u → username chanthel

p → password chanthel

act → action `upload`

fname → nama file yang akan di-upload

fpath → lokasi direktori file yang akan di-upload (harus 1 mesin dengan chanthelAPI)

pid → direktori id yang ada pada aplikasi chanthel yang bertujuan untuk meletakkan file pada direktori tertentu

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&fname=<nama_file_yang_akan_diupload>&fpath=<lokasi_direktori_file_yang_akan_diupload>&pid<direktoriID>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=upload&fname=chanthel.txt&fpath=/drives/d/247/Dokumen/Chanthel&pid=231

Di dalam Chanthel terdapat database cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table files dan table files\_content. Setelah selesai diproses maka akan menampilkan response dari JSON untuk di infokan kepada client.

### Response:

Status	Response
0	{"err_code":0,"message":"Upload success","fid":"232"}

192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=upload&fname=chanthel.txt&fpath=/drives/d/247/Dokumen/Chanthel&pid=231  
{ "err\_code": 0, "message": "Upload success", "fid": "232" }

Gambar 1 Response dari Fitur Upload File

Tree > Rafida

Filter (OR)

Search Chanthel

New

Upload

Download

Clipboard

Delete

Refresh

Grid

More

Edit

Download

View

Star

More

Name	Date	Size	Creator	Owner
API Chanthel.pdf	02/21/2018 16:09	591 KB	Administrator	Administrator
Baciro ORM.docx	02/21/2018 16:08	244 KB	Administrator	Administrator
chanthel.txt	02/21/2018 13:15	2 KB	Administrator	Administrator
Dokumen Instalasi_Chanthel webhdfs (Non Ya...	02/21/2018 14:41	1.16 MB	Administrator	Administrator
Solving Xvfb Baciro.docx	02/21/2018 14:44	629 KB	Administrator	Administrator

chanthel.txt

/Tree/Rafida/

#232 • File • Created by Administrator 4 hours ago • Updated by Administrator 4 hours ago

PROPERTIES

id232

Path/Tree/Rafida/

Size2 KB

Templatefile (id: 6)

CreatedAdministrator4 hours ago

ModifiedAdministrator4 hours ago

COMMENTS

Gambar 2 Berhasil Upload File pada Chanthel

## 1.2 Upload File with curl

Berikut ini merupakan perintah untuk mengunggah file menggunakan curl.

**Request :**

```
<?php
    $curl = curl_init();
    curl_setopt($curl, CURLOPT_URL,
    'http://192.168.1.250/chanthelAPI/index.php');
    curl_setopt($curl, CURLOPT_VERBOSE, 1);
    //curl_setopt($curl, CURLOPT_USERAGENT, 'Mozilla/5.0 (X11;
    Ubuntu; Linux x86_64; rv:47.0) Gecko/20100101 Firefox/47.0');
    //curl_setopt($curl, CURLOPT_ENCODING, '');
    //curl_setopt($curl, CURLOPT_REFERER,
    'http://www.noelshack.com/api.php');
    curl_setopt($curl, CURLOPT_FOLLOWLOCATION, 1);
    // download image to temp file for upload
    $tmp = tempnam(sys_get_temp_dir(), 'php');
    file_put_contents($tmp,
    file_get_contents('https://upload.wikimedia.org/wikipedia/com
    mons/5/51/Small_Red_Rose.JPG'));
```

```
// send a file
curl_setopt($curl, CURLOPT_POST, true);
curl_setopt(
    $curl,
    CURLOPT_POSTFIELDS,
    array(
        'filedata' => new CURLFile($tmp),
        'u' => 'root',
        'p' => 'root',
        'act' => 'upload',
        'fname' => 'rose.jpg',
        'pid' => 231
    ));
// output the response
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
$result = curl_exec($curl);
var_dump($result, curl_error($curl));
// unlink($tmp); // remove temp file
curl_close($curl);
?>
```

Simpan file tersebut dengan extensi .php pada direktori chanthelAPI. Kemudian eksekusi file tersebut pada terminal dengan perintah : php (nama file php)

Contoh: **php upload.php**

#### Response:

Status	Response
0	<pre>string(53) "{"err_code":0,"message":"Upload success","fid":"242"}"  string(0) ""</pre>



```

?php
$curl = curl_init();
curl_setopt($curl, CURLOPT_URL, 'http://192.168.1.250/chanthelAPI/index.php');
curl_setopt($curl, CURLOPT_VERBOSE, 1);
//curl_setopt($curl, CURLOPT_USERAGENT, 'Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:47.0) Gecko/20100101 Firefox/47.0');
//curl_setopt($curl, CURLOPT_ENCODING, '');
//curl_setopt($curl, CURLOPT_REFERER, 'http://www.noelshack.com/api.php');
curl_setopt($curl, CURLOPT_FOLLOWLOCATION, 1);

// download image to temp file for upload
$tmp = tempnam(sys_get_temp_dir(), 'php');
file_put_contents($tmp, file_get_contents('https://upload.wikimedia.org/wikipedia/commons/5/51/Small_Red_Rose.JPG'));

// send a file
curl_setopt($curl, CURLOPT_POST, true);
curl_setopt(
    $curl,
    CURLOPT_POSTFIELDS,
    array(
        'filedata' => new CURLFile($tmp),
        'u' => 'root',
        'p' => 'root',
        'act' => 'upload',
        'fname' => 'rose.jpg',
        'pid' => 231
    )
);
// output the response
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
$result = curl_exec($curl);
var_dump($result, curl_error($curl));

// unlink($tmp); // remove temp file
curl_close($curl);
?>

```

Gambar 3 Upload File via curl

Gambar 4 dibawah ini menunjukan response ketika upload file melalui curl

```

* About to connect() to 192.168.1.250 port 80 (#0)
* Trying 192.168.1.250...
* Connected to 192.168.1.250 (192.168.1.250) port 80 (#0)
> POST /chanthelAPI/index.php HTTP/1.1
Host: 192.168.1.250
Accept: */*
Content-Length: 1380784
Expect: 100-continue
Content-Type: multipart/form-data; boundary=-----4e0696a04801

< HTTP/1.1 100 Continue
< HTTP/1.1 200 OK
< Date: Thu, 22 Feb 2018 06:41:51 GMT
< Server: Apache/2.4.6 (CentOS) PHP/5.6.32
< X-Powered-By: PHP/5.6.32
< Content-Length: 53
< Content-Type: text/html; charset=UTF-8
<
* Connection #0 to host 192.168.1.250 left intact
string(53) "{"err_code":0,"message":"Upload success","fid":"242"}"
string(0) ""

```

Gambar 4 Response dari Upload File via curl

Gambar 5 dibawah ini merupakan tampilan pada chanthel ketika berhasil meng-upload file via curl.

The screenshot displays the Chanthel Document Management System interface. On the left, a sidebar shows a tree view with folders like 'Rafida', 'Chanthel', 'QC', 'Solusi247', 'System', and 'Recycle Bin'. The main area shows a file list under the 'Rafida' folder. The file 'rose.jpg' is highlighted with a green box. The right sidebar shows the details for 'rose.jpg', including its ID (242), path (/Tree/Rafida/), size (1.32 MB), and creation/modification dates. Below the details, there is a 'COMMENTS' section with a text input field and a 'Reply' button.

Name	Date	Size	Creator	Owner
chanthel2	02/22/2018 16:23			Administrator
rose.jpg	02/22/2018 13:41	1.32 MB	Administrator	Administrator
chanthelbaru.bit	02/21/2018 20:15	2 KB	Administrator	Administrator
API Chanthel.pdf	02/22/2018 09:50	571 KB	Administrator	Administrator
API Chanthel.docx	02/22/2018 09:49	257 KB	Administrator	Administrator

**rose.jpg**  
#242 • File • Created by Administrator few seconds ago • Updated by Administrator few seconds ago

**PROPERTIES**

Id	242
Path	/Tree/Rafida/
Size	1.32 MB
Template	file (id: 6)
Created	Administrator few seconds ago
Modified	Administrator few seconds ago

**COMMENTS**

Write a comment...

Reply

Gambar 5 Hasil Upload File via curl

## 2. Download File

Ketika client meminta request untuk download File, maka masukkan URL sesuai dengan request, misalnya:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=download&fid=237
```

### Request :

u → username chanthel  
p → password chanthel  
act → action `download`  
fid → file id yang akan di download

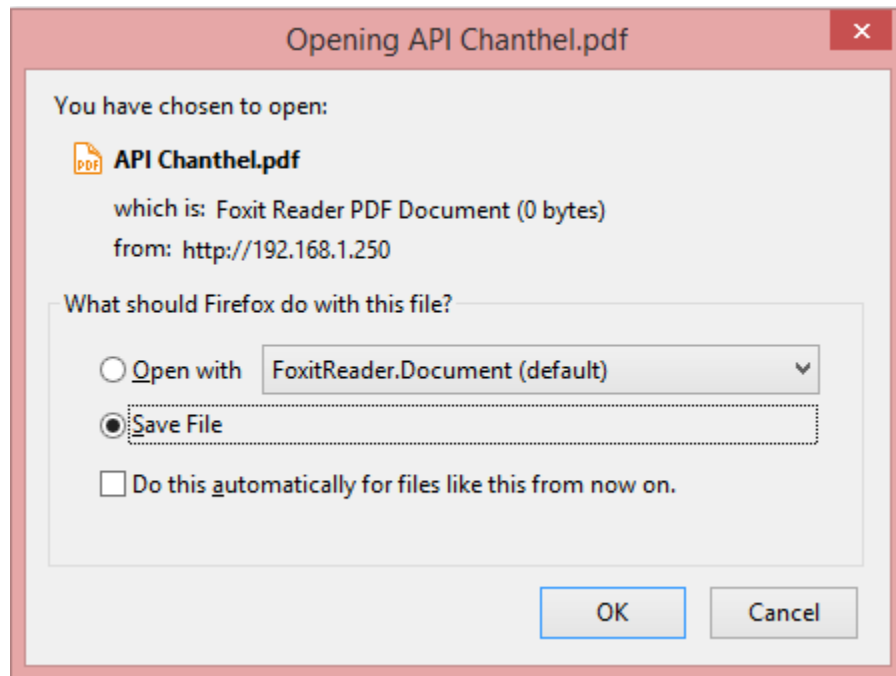
Method	URL
Get	http://<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&fid=<fileID>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=download&fid=237

Di dalam Chanthel terdapat database cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table files dan table files\_content. Setelah selesai diproses maka akan menampilkan response dari JSON untuk di infokan kepada client.

The screenshot displays the Chanthel Document Management System interface. On the left, a sidebar shows a tree view with folders like 'CASES BY STATUS', 'MY TASKS', 'QC\_Chanthel', 'Rafida', 'Solusi247', 'System', and 'Recycle Bin'. The main area shows a file list under the 'Rafida' folder. The file 'API Chanthel.pdf' is highlighted with a green box. To the right, the 'Properties' panel for this file is shown, with the 'Id' field containing the value '237', also highlighted with a green box. The 'Path' is '/Tree/Rafida/'. The 'Size' is '591 KB'. The 'Template' is 'file (id: 6)'. The 'Created' and 'Modified' dates are 'Yesterday at 09:09'. The 'Comments' section is at the bottom with a text input and a 'Reply' button. The bottom of the interface shows 'Page 1 of 1' and '1 - 5 of 5'.

Gambar 6 Fitur Download File

Dibawah ini merupakan Response dari download file melalui url <http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=download&fid=237>, klik **Save File** untuk menyimpan file yang akan di download, seperti gambar 7 dibawah ini :



Gambar 7 Response dari Fitur Download File

---

## 3. Create Directory

---

Untuk membuat direktori baru, gunakan URL dibawah ini:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=
create_directory&pid=231&dname=Chanthel
```

### Request:

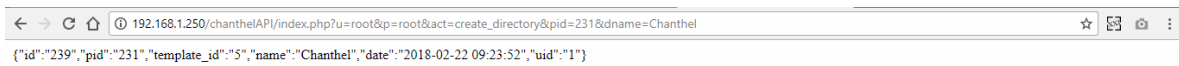
u → username chanthel  
p → password chanthel  
act → action `create\_direktori`  
pid → directory id digunakan untuk membuat sub folder dari folder tertentu, jika value 1, maka directory tersebut sebagai parent atau root directory  
dname → directory name, nama folder yang akan dibuat

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&pid=<direktoriID>&dname<nama_direktori>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=create_directory&pid=231&dname=Chanthel

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table tree. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client

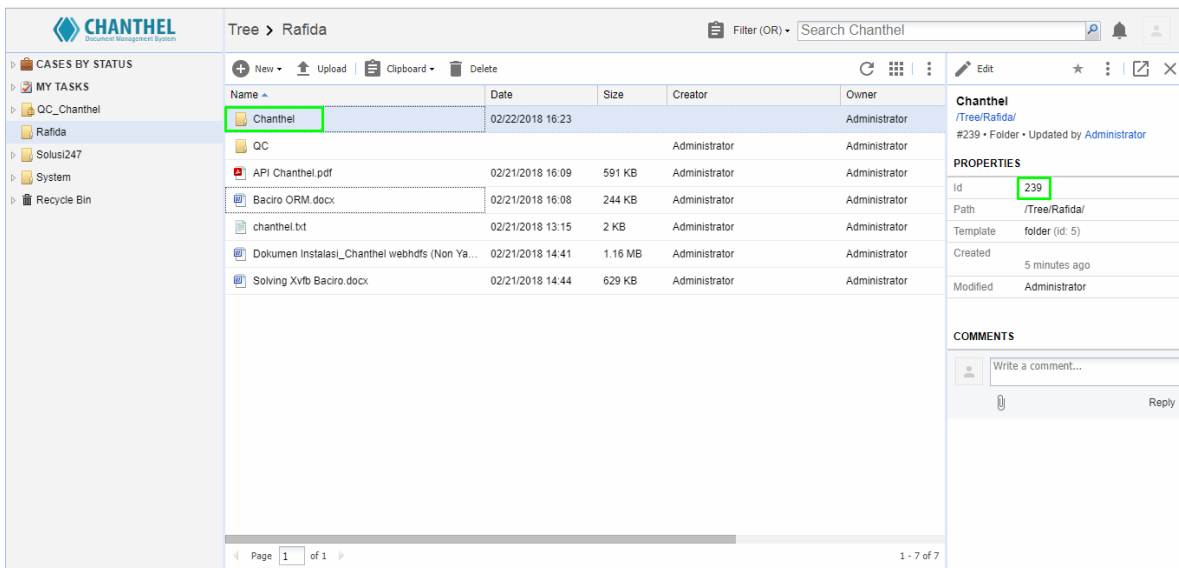
### Response:

Status	Response
0	<pre>{"id":"239","pid":"231","template_id":"5","name":"Chanthel","date":"2018-02-22 09:23:52","uid":"1"}</pre>



Gambar 8 Response dari Fitur Create Directory

Dibawah ini merupakan gambar yang menunjukkan bahwa user telah berhasil membuat folder “Chantel”.



Gambar 9 Berhasil Membuat Folder Baru pada Chantel

---

## 4. Delete Directory

---

Untuk menghapus direktori, gunakan URL dibawah ini:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=delete_directory&id=240
```

### Request:

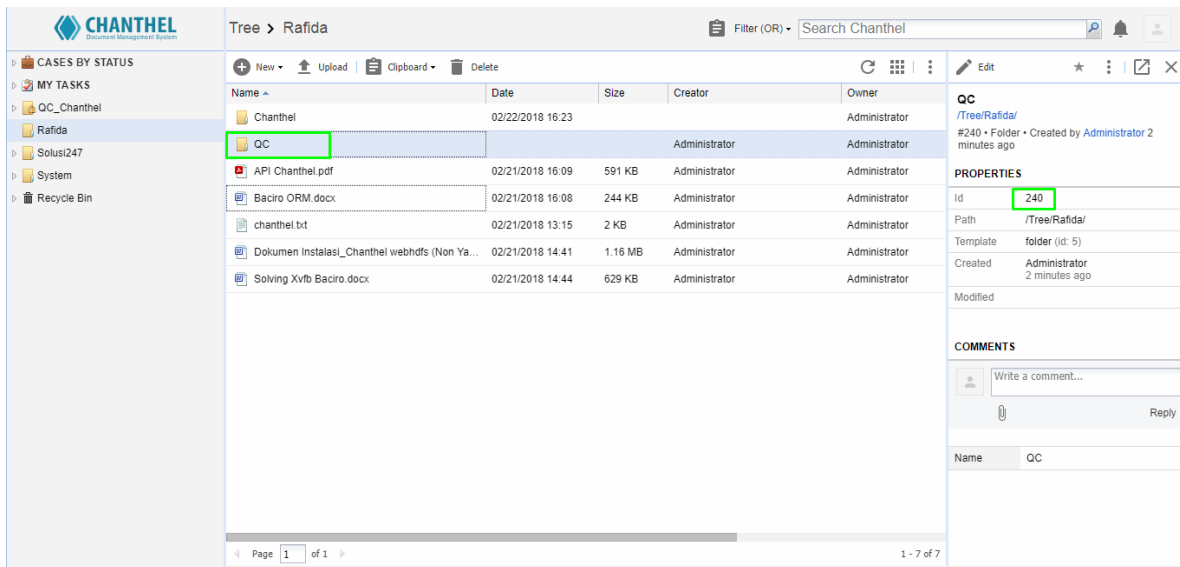
u      → username chanthel  
p      → password chanthel  
act    → action `delete\_direktori`  
id     → directory id yang akan dihapus

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&id=<direktoriID_yang_dihapus>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=delete_directory&id=240

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table tree, tree\_acl, tree\_acl\_security\_sets dan tree\_acl\_security\_sets\_result. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

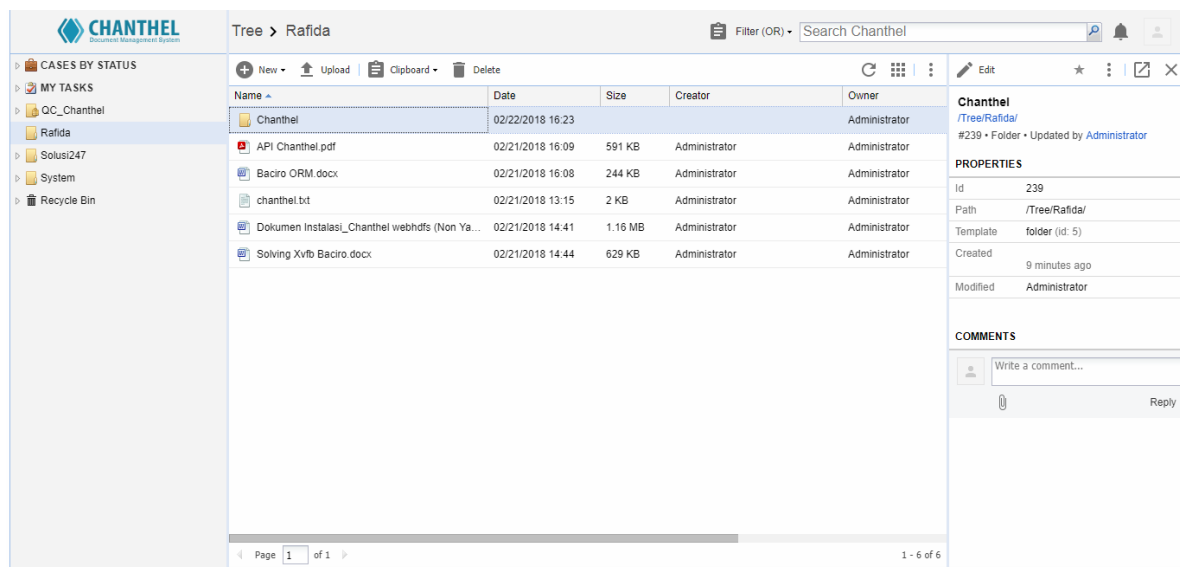
### Response :

**error, tetapi directory pada chanthel sudah berhasil terhapus**



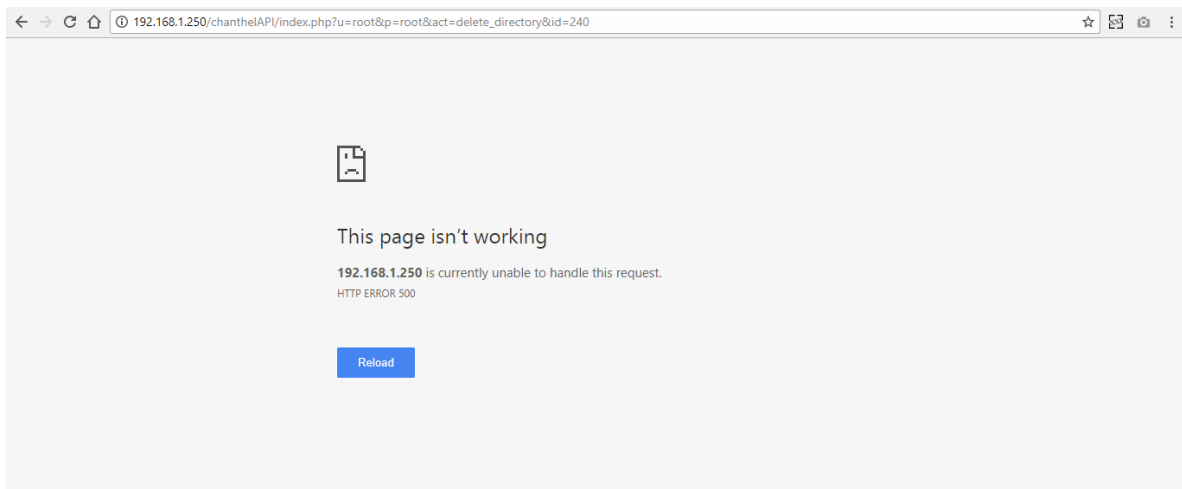
Gambar 10 Folder yang Akan dihapus

Gambar 11 dibawah ini menunjukan bahwa folder QC telah dihapus.



Gambar 11 Folder telah dihapus





Gambar 12 error, tetapi direktori pada chanthel sudah berhasil terhapus

## 5. List Directory

Untuk melihat daftar direktori, gunakan URL dibawah ini:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list_directory
```

### Request:

u → username chanthel  
p → password chanthel  
act → action 'list\_direktori'

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list_directory

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table tree. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	<pre>[{"id":"212","pid":"1","name":"Solu si247"}, {"id":"213","pid":"212","name":"Dana ngKastowo"}, {"id":"215","pid":"212","name":"Rafi da"}, {"id":"222","pid":"212","name":" QC_Chanthel"}, {"id":"224","pid":"1","name":"QC_Cha nthel"}, {"id":"228","pid":"212","name": :"Dhiar"}, {"id":"231","pid":"1","name":"Rafida "}, {"id":"239","pid":"231","name":"Ch</pre>

```

anthel""},
  {"id":"240","pid":"231","name":"QC"}
]

```

192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list\_directory

```

[{"id":"212","pid":"1","name":"Solusi247"}, {"id":"213","pid":"212","name":"DanangKastowo"}, {"id":"215","pid":"212","name":"Rafida"}, {"id":"222","pid":"212","name":"QC_Chantel"}, {"id":"224","pid":"1","name":"QC_Chantel"}, {"id":"228","pid":"212","name":"Dhiar"}, {"id":"231","pid":"1","name":"Rafida"}, {"id":"239","pid":"231","name":"Chantel"}, {"id":"240","pid":"231","name":"QC"}]

```

Gambar 13 Response dari Fitur List Directory

Berikut ini merupakan tampilan daftar directori pada chanthel

The screenshot displays the Chantel Document Management System interface. On the left, a sidebar shows a directory tree with folders like 'CASES BY STATUS', 'MY TASKS', 'QC\_Chantel', 'Rafida', 'Chantel', 'QC', 'Solusi247', 'DanangKastowo', 'Dhiar', 'QC\_Chantel', 'Rafida', 'System', and 'Recycle Bin'. The main area shows a table of files and folders with columns for Name, Date, Size, Creator, and Owner. The table lists items like 'Cases By Status ...', 'My Tasks ...', 'QC\_Chantel', 'Rafida', 'Solusi247', 'System', and 'Recycle Bin ...'. On the right, a panel shows details for the selected item, including its ID, path, template, creation/modification dates, and a comments section.

Gambar 14 Response dari Fitur List Directory pada Chantel

## 6. List Files

Untuk melihat daftar file, gunakan URL dibawah ini:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list_files&pid=231
```

### Request:

u → username chanthel  
p → password chanthel  
act → action `list\_files`  
pid → parent directory (id folder)

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&pid=<parent_directory>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list_files&pid=231

Di dalam Chanthel terdapat database cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table tree. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	<pre>[{"id":"232","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"chanthel.txt","date":"2018-02-21 06:15:16","date_end":"2018-02-21 06:15:16","size":"2156","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 13:15:16","uid":"1","update":"2018-02-21 13:15:16","updated":"0","oid":"1","did":null,"ddate":null,"dstatus":"0"}, {"id":"233","pid":"231","user_id":null,"system":"0","type":null,"draft":"0"}]</pre>

```
,
{"draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"API Chanthel.docx","date":"2018-02-21 06:16:47","date_end":"2018-02-21 06:16:47","size":"263366","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 13:16:47","uid":"1","update":"2018-02-21 13:16:47","updated":"0","oid":"1","did":"1","ddate":"2018-02-21 16:17:29","dstatus":"1"},
{"id":"234","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"Dokumen Instalasi Chanthel webhdfs (Non Yava).doc","date":"2018-02-21 07:41:33","date_end":"2018-02-21 07:41:33","size":"1216512","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 14:41:33","uid":"1","update":"2018-02-21 14:41:33","updated":"0","oid":"1","did":"1","ddate":"2018-02-22 09:42:28","dstatus":"1"},
{"id":"235","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"Solving Xvfb Baciro.docx","date":"2018-02-21 07:44:55","date_end":"2018-02-21 07:44:55","size":"644502","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 14:44:55","uid":"1","update":"2018-02-21 14:44:55","updated":"0","oid":"1","did":"1","ddate":"2018-02-22 09:42:24","dstatus":"1"},
{"id":"236","pid":"231","user_id":nu
```

	<pre> 11, ""system"": ""0"", ""type"": null, ""draft"": ""0"" , ""draft_pid"": null, ""template_id"": ""6"", ""tag_i d"": null, ""target_id"": null, ""name"": ""Baciro ORM.docx"", ""date"": ""2018-02-21 09:08:40"", ""date_end"": ""2018-02-21 09:08:40"", ""size"": ""249599"", ""is_main"": null, "" cfg"": null, ""inherit_acl"": ""1"", ""cid"": ""1"", "" cdate"": ""2018-02-21 16:08:40"", ""uid"": ""1"", ""update"": ""2018-02-21 16:08:40"", ""updated"": ""0"", ""oid"": ""1"", ""did" "": ""1"", ""ddate"": ""2018-02-22 09:42:38"", ""dstatus"": ""1""},     {""id"": ""237"", ""pid"": ""231"", ""user_id"": nu ll, ""system"": ""0"", ""type"": null, ""draft"": ""0"" , ""draft_pid"": null, ""template_id"": ""6"", ""tag_i d"": null, ""target_id"": null, ""name"": ""API Chanthel.pdf"", ""date"": ""2018-02-21 09:09:25"", ""date_end"": ""2018-02-21 09:09:25"", ""size"": ""604905"", ""is_main"": null, "" cfg"": null, ""inherit_acl"": ""1"", ""cid"": ""1"", "" cdate"": ""2018-02-21 16:09:25"", ""uid"": ""1"", ""update"": ""2018-02-21 16:09:25"", ""updated"": ""0"", ""oid"": ""1"", ""did" "": null, ""ddate"": null, ""dstatus"": ""0""},     {""id"": ""238"", ""pid"": ""231"", ""user_id"": nu ll, ""system"": ""0"", ""type"": null, ""draft"": ""0"" , ""draft_pid"": null, ""template_id"": ""6"", ""tag_i d"": null, ""target_id"": null, ""name"": ""API Chanthel.docx"", ""date"": ""2018-02-21 09:17:35"", ""date_end"": ""2018-02-21 09:17:35"", ""size"": ""263366"", ""is_main"": null, "" cfg"": null, ""inherit_acl"": ""1"", ""cid"": ""1"", "" cdate"": ""2018-02-21 16:17:35"", ""uid"": ""1"", ""update"": ""2018-02-21 16:17:35"", ""updated"": ""0"", ""oid"": ""1"", ""did" "": ""1"", ""ddate"": ""2018-02-21 17:11:08"", ""dstatus"": ""1""}] " </pre>
--	---

```

← → ↻ 📄 192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=list_files&pid=231 ☆ 📷 📄
[{"id":"232","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"chanthel.txt","date":"2018-02-21 06:15:16","date_end":"2018-02-21 06:15:16","size":"2156","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 13:15:16","uid":"1","update":"2018-02-21 13:15:16","updated":"0","oid":"1","did":"1","ddate":null,"dstatus":"0"}, {"id":"233","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"API Chanthel.docx","date":"2018-02-21 06:16:47","date_end":"2018-02-21 06:16:47","size":"263366","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 13:16:47","uid":"1","update":"2018-02-21 13:16:47","updated":"0","oid":"1","did":"1","ddate":"2018-02-21 16:17:29","dstatus":"1"}, {"id":"234","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"Dokumen Instalasi Chanthel webhdfs (Non Java).doc","date":"2018-02-21 07:41:33","date_end":"2018-02-21 07:41:33","size":"1216512","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 14:41:33","uid":"1","update":"2018-02-21 14:41:33","updated":"0","oid":"1","did":"1","ddate":"2018-02-22 09:42:28","dstatus":"1"}, {"id":"235","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"Solving Xvfb Baciro.docx","date":"2018-02-21 07:44:55","date_end":"2018-02-21 07:44:55","size":"644502","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 14:44:55","uid":"1","update":"2018-02-21 14:44:55","updated":"0","oid":"1","did":"1","ddate":"2018-02-22 09:42:24","dstatus":"1"}, {"id":"236","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"Baciro ORM.docx","date":"2018-02-21 09:08:40","date_end":"2018-02-21 09:08:40","size":"249599","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 16:08:40","uid":"1","update":"2018-02-21 16:08:40","updated":"0","oid":"1","did":"1","ddate":"2018-02-22 09:42:38","dstatus":"1"}, {"id":"237","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"API Chanthel.pdf","date":"2018-02-21 09:09:25","date_end":"2018-02-21 09:09:25","size":"604905","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 16:09:25","uid":"1","update":"2018-02-21 16:09:25","updated":"0","oid":"1","did":"1","ddate":null,"dstatus":"0"}, {"id":"238","pid":"231","user_id":null,"system":"0","type":null,"draft":"0","draft_pid":null,"template_id":"6","tag_id":null,"target_id":null,"name":"API Chanthel.docx","date":"2018-02-21 09:17:35","date_end":"2018-02-21 09:17:35","size":"263366","is_main":null,"cfg":null,"inherit_acl":"1","cid":"1","cdate":"2018-02-21 16:17:35","uid":"1","update":"2018-02-21 16:17:35","updated":"0","oid":"1","did":"1","ddate":"2018-02-21 17:11:08","dstatus":"1"}]

```

Gambar 15 Response dari Fitur List File

Berikut ini merupakan tampilan daftar file pada chanthel

The screenshot displays the Chanthel Document Management System interface. On the left, a sidebar shows a tree view with folders like 'CASES BY STATUS', 'MY TASKS', 'QC\_Chanthel', 'Rafida', 'Solusi247', 'System', and 'Recycle Bin'. The main area shows a file list under the 'Rafida' folder. The list has columns for Name, Date, Size, Creator, and Owner. Files listed include 'Chanthel' (02/22/2018 16:23), 'API Chanthel.pdf' (02/21/2018 16:09, 591 KB), 'Baciro ORM.docx' (02/21/2018 16:08, 244 KB), 'chanthel.txt' (02/21/2018 13:15, 2 KB), 'Dokumen Instalasi\_Chanthel webhdfs (Non Ya...' (02/21/2018 14:41, 1.16 MB), and 'Solving Xvfb Baciro.docx' (02/21/2018 14:44, 629 KB). The right sidebar shows the selected file's properties, including its ID (239), path (/Tree/Rafida/), and a comment section with a 'Write a comment...' input and a 'Reply' button.

Gambar 16 Response dari Fitur List Files pada Chanthel

## 7. Signature

### 7.1 Signature with URL

Berikut ini merupakan perintah untuk menambahkan Signature via URL:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=digital_signature&fid=237&stamp=default
```

#### Request:

u → username chanthel  
p → password chanthel  
act → action `signature`  
fid → file id  
stamp → file yang akan di jadikan signature

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&fid=<fileID>&stamp=<default>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=digital_signature&fid=237&stamp=default

Di dalam Chanthel terdapat database cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

#### Response:

Status	Response
0	<pre>{"err_code":0,"message":"Signature have been create."}</pre>



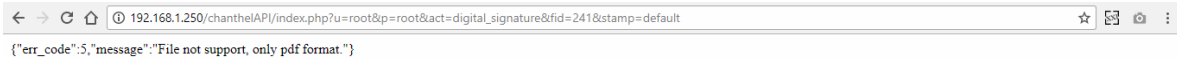
Gambar 17 Response dari Fitur Signature

#### Catatan :

*File yang diupload harus berekstensi .pdf*

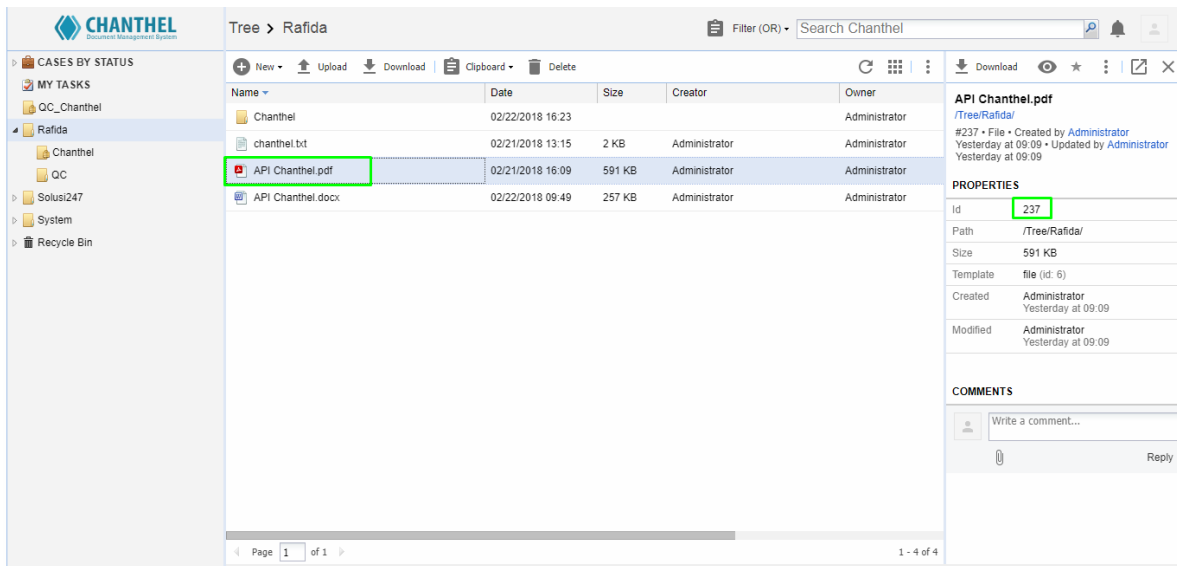


Berikut ini hasil jika file yang akan di jadikan signature bukan file .pdf



Gambar 18 Pdf Only

Gambar 19 dibawah ini merupakan tampilan file signature yang telah ditambahkan.



Gambar 19 Response dari Fitur Signature

## 7.2 Signature with CURL :

Berikut ini merupakan perintah untuk menambahkan signature menggunakan curl.

```
<?php
    $curl = curl_init();
    curl_setopt($curl, CURLOPT_URL,
'http://192.168.1.250/chanthelAPI/index.php');
    curl_setopt($curl, CURLOPT_VERBOSE, 1);
    //curl_setopt($curl, CURLOPT_USERAGENT, 'Mozilla/5.0 (X11;
Ubuntu; Linux x86_64; rv:47.0) Gecko/20100101 Firefox/47.0');
    //curl_setopt($curl, CURLOPT_ENCODING, '');
    //curl_setopt($curl, CURLOPT_REFERER,
'http://www.noelshack.com/api.php');
    curl_setopt($curl, CURLOPT_FOLLOWLOCATION, 1);
    // download image to temp file for upload
```

```

$tmp =
'/var/www/html/chanthelAPI/digital_signature/stempel.png';
// send a file
curl_setopt($curl, CURLOPT_POST, true);
curl_setopt(
    $curl,
    CURLOPT_POSTFIELDS,
    array(
        'filedata' => new CURLFile($tmp),
        'u' => 'root',
        'p' => 'root',
        'act' => 'digital_signature',
        'fid' => 243 ));
// output the response
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
$result = curl_exec($curl);
var_dump($result, curl_error($curl));
// unlink($tmp); // remove temp file
curl_close($curl);
?>

```

Simpan file tersebut dengan extensi .php pada direktori chanthelAPI. Kemudian eksekusi file tersebut pada terminal dengan perintah : **php (nama file php)**

Contoh: **php signature.php**

**Response :**

Status	Response
0	{"err_code":0,"message":"Signature have been create."}

```

<?php
$curl = curl_init();
curl_setopt($curl, CURLOPT_URL, 'http://192.168.1.250/chanthelAPI/index.php');
curl_setopt($curl, CURLOPT_VERBOSE, 1);
//curl_setopt($curl, CURLOPT_USERAGENT, 'Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:47.0) Gecko/20100101 Firefox/47.0');
//curl_setopt($curl, CURLOPT_ENCODING, '');
//curl_setopt($curl, CURLOPT_REFERER, 'http://www.noelshack.com/api.php');
curl_setopt($curl, CURLOPT_FOLLOWLOCATION, 1);

// download image to temp file for upload
$tmp = '/var/www/html/chanthelAPI/digital_signature/stempel.png';

// send a file
curl_setopt($curl, CURLOPT_POST, true);
curl_setopt(
    $curl,
    CURLOPT_POSTFIELDS,
    array(
        'filedata' => new CURLFile($tmp),
        'u' => 'root',
        'p' => 'root',
        'act' => 'digital_signature',
        'fid' => 243
    )
);

// output the response
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
$result = curl_exec($curl);
var_dump($result, curl_error($curl));

// unlink($tmp); // remove temp file
curl_close($curl);
?>

```

Gambar 20 Signature with CURL

#### Response:

```

* About to connect() to 192.168.1.250 port 80 (#0)
* Trying 192.168.1.250...
* Connected to 192.168.1.250 (192.168.1.250) port 80 (#0)
> POST /chanthelAPI/index.php HTTP/1.1
Host: 192.168.1.250
Accept: */*
Content-Length: 14143
Expect: 100-continue
Content-Type: multipart/form-data; boundary=-----dfdecdfelffe

< HTTP/1.1 100 Continue
< HTTP/1.1 200 OK
< Date: Thu, 22 Feb 2018 07:08:11 GMT
< Server: Apache/2.4.6 (CentOS) PHP/5.6.32
< X-Powered-By: PHP/5.6.32
< Content-Length: 54
< Content-Type: text/html; charset=UTF-8
<
* Connection #0 to host 192.168.1.250 left intact
string(54) "{\"err_code\":0,\"message\":\"Signature have been create.\"}"
string(0) ""

```

Gambar 21 Response dari Fitur Signature via curl

## 8. Get All User

Untuk menampilkan semua pengguna, gunakan URL dibawah ini:

`http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=get_all_user`

### Request:

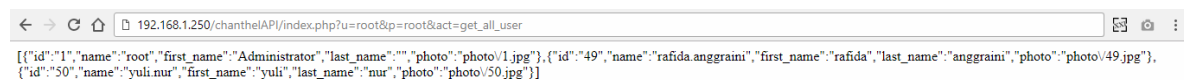
u → username chanthel  
p → password chanthel  
act → action `get\_all\_user`

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=get_all_user

Di dalam Chanthel terdapat database cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table users\_groups. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	<pre>[{"id": "1", "name": "root", "first_name": "Administrator", "last_name": "", "photo": "photo/1.jpg"}, {"id": "49", "name": "rafida.anggraini", "first_name": "rafida", "last_name": "anggraini", "photo": "photo/49.jpg"}, {"id": "50", "name": "yuli.nur", "first_name": "yuli", "last_name": "nur", "photo": "photo/50.jpg"}]</pre>



Gambar 22 Response dari Fitur Get All User

## 9. Get All Group

Untuk menampilkan semua group, gunakan URL dibawah ini:

`http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=get_all_group`

### Request:

u → username chanthel  
p → password chanthel  
act → action `get\_all\_group`

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>
	<code>http://192.168.1.250/chanthelAPI/index.php?u=root&amp;p=root&amp;act=get_all_group</code>

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table users\_groups. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	<pre>[{"id": "2", "name": "everyone"}, {"id": "51", "name": "QC"}, {"id": "59", "name": "oke"}]</pre>



Gambar 23 Response dari Fitur Get All Group

## 10. Get User Group

Untuk menampilkan pengguna group, gunakan URL dibawah ini

`http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=get_user_group&gid=51`

### Request:

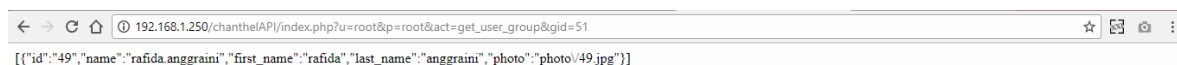
u → username chanthel  
p → password chanthel  
act → action `get\_user\_group`  
gid → group id

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&gid=<groupID>
	<code>http://192.168.1.250/chanthelAPI/index.php?u=root&amp;p=root&amp;act=get_user_group&amp;gid=51</code>

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Table yang memproses yaitu table users\_groups. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	<code>[{"id": "49", "name": "rafida.anggraini", "first_name": "rafida", "last_name": "anggraini", "photo": "photo/49.jpg"}]</code>



Gambar 24 Response dari Fitur Get User Group

## 11. Rename File

Untuk mengganti nama file, gunakan URL dibawah ini :

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=
rename_file&fid=232&newname=chanthelbaru.txt
```

### Request :

u → username chanthel  
p → password chanthel  
act → action `rename\_file`  
fid → file id yang akan di rename  
newname → nama file baru

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<action>&fid=<fileID>&newname=<nama_file_baru>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=rename_file&fid=232&newname=chanthelbaru.txt

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	[{"error_code":0,"id_file":"232","error_status":"Rename File Succes!!!"}]



Gambar 25 Response dari Fitur Rename File

Gambar 26 berikut ini merupakan file yang belum di rename

The screenshot shows the Chanthel Document Management System interface. The left sidebar contains a tree view with folders like 'Rafida', 'Chanthel', 'QC', 'Solusi247', 'System', and 'Recycle Bin'. The main area displays a list of files in the 'Rafida' folder. The file 'chanthel.txt' is highlighted with a green box. The right-hand pane shows the details for 'chanthel.txt', including its ID (232), path, size, and creation/modification dates.

Name	Date	Size	Creator	Owner
chanthel2	02/22/2018 16:23			Administrator
chanthel.txt	02/21/2018 13:15	2 KB	Administrator	Administrator
API Chanthel.pdf	02/22/2018 09:50	571 KB	Administrator	Administrator
API Chanthel.docx	02/22/2018 09:49	257 KB	Administrator	Administrator

Properties for 'chanthel.txt':

- Id: 232
- Path: /Tree/Rafida/
- Size: 2 KB
- Template: file (id: 6)
- Created: Administrator Yesterday at 06:15
- Modified: Administrator Yesterday at 06:15

Gambar 26 File Sebelum di rename

Dibawah ini merupakan tampilan file yang sudah

The screenshot shows the Chanthel Document Management System interface after the file has been renamed. The file 'chanthelbaru.txt' is now listed in the 'Rafida' folder and is highlighted with a green box. The right-hand pane shows the details for 'chanthelbaru.txt', including its ID (232), path, size, and creation/modification dates.

Name	Date	Size	Creator	Owner
chanthel2	02/22/2018 16:23			Administrator
chanthelbaru.txt	02/21/2018 20:15	2 KB	Administrator	Administrator
API Chanthel.pdf	02/22/2018 09:50	571 KB	Administrator	Administrator
API Chanthel.docx	02/22/2018 09:49	257 KB	Administrator	Administrator

Properties for 'chanthelbaru.txt':

- Id: 232
- Path: /Tree/Rafida/
- Size: 2 KB
- Template: file (id: 6)
- Created: Administrator Yesterday at 06:15
- Modified: Administrator Yesterday at 06:15

Gambar 27 File Setelah



---

## 12. Rename Directory

---

Untuk mengganti nama direktori, gunakan URL dibawah ini :

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=
rename_directory&id=239&newname=chanthel2&solr=http://192.168
.1.250:8983
```

### Request:

u → username chanthel  
p → password chanthel  
act → action `rename\_directory`  
id → directory id yang akan di rename  
newname → nama file baru  
solr → host solr server

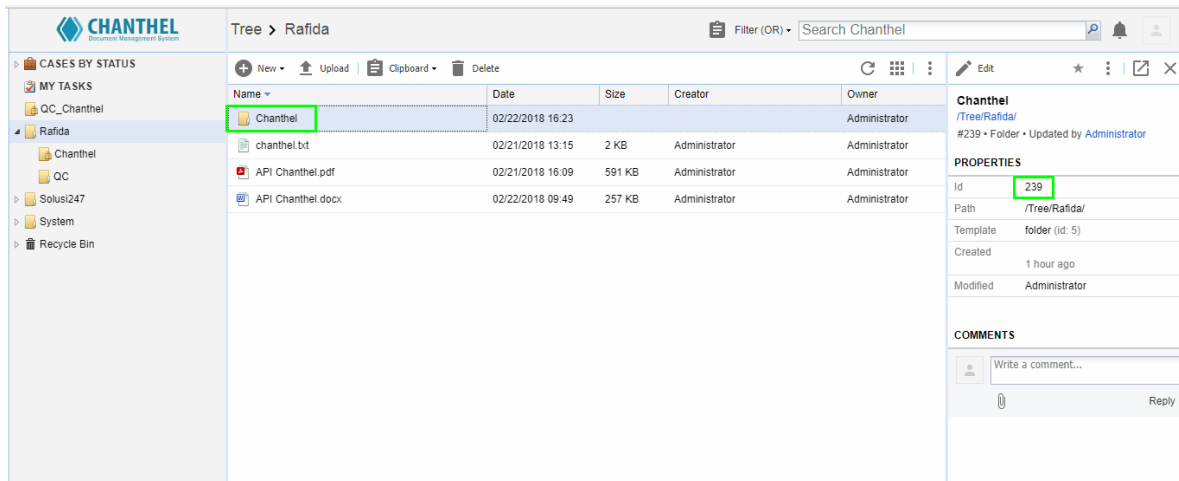
Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<actions>&id=<directory_ID>&newname=<nama_file_baru>&solr=<host_solr_server>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=rename_directory&id=239&newname=chanthel2&solr=http://192.168.1.250:8983

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response:

Status	Response
0	[{"error_code":0,"error_status":"Success"}]

Gambar 28 berikut ini merupakan folder yang belum



The screenshot shows the Chantel Document Management System interface. On the left, a sidebar lists 'CASES BY STATUS' and 'MY TASKS'. The main area displays a tree view of folders under 'Rafida'. A folder named 'Chanthel' is highlighted with a green box. Below the tree view, a table lists files within the folder: 'chanthel.txt', 'API Chanthel.pdf', and 'API Chanthel.docx'. On the right, a sidebar shows the folder's details, including its ID (239) and path (/Tree/Rafida/).

Name	Date	Size	Creator	Owner
Chanthel	02/22/2018 16:23		Administrator	Administrator
chanthel.txt	02/21/2018 13:15	2 KB	Administrator	Administrator
API Chanthel.pdf	02/21/2018 16:09	591 KB	Administrator	Administrator
API Chanthel.docx	02/22/2018 09:49	257 KB	Administrator	Administrator

**Chanthel**  
/Tree/Rafida/  
#239 • Folder • Updated by Administrator

**PROPERTIES**

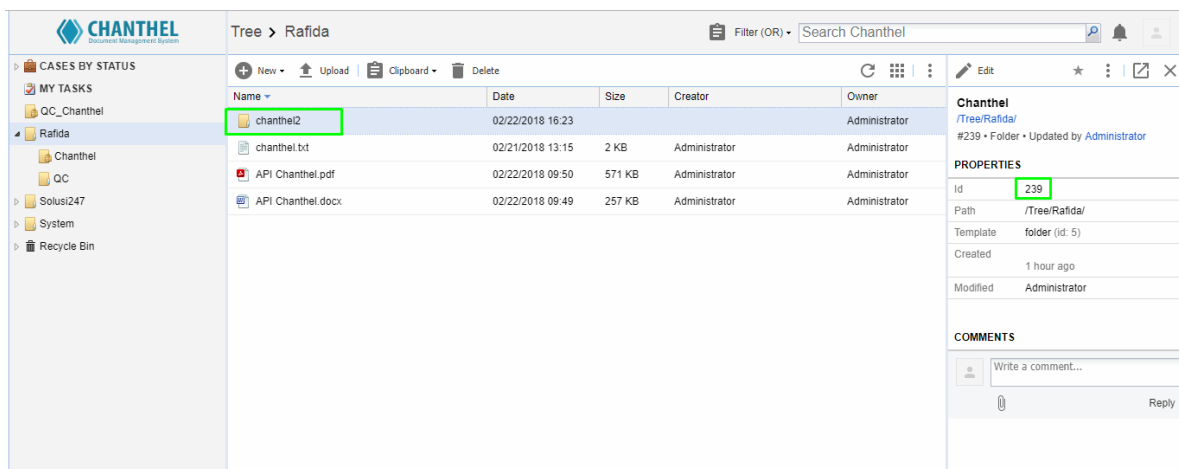
Id: 239  
Path: /Tree/Rafida/  
Template: folder (id: 5)  
Created: 1 hour ago  
Modified: Administrator

**COMMENTS**

Write a comment...  
Reply

Gambar 28 Folder Sebelum

Dibawah ini merupakan tampilan folder yang sudah



The screenshot shows the Chantel Document Management System interface. On the left, a sidebar lists 'CASES BY STATUS' and 'MY TASKS'. The main area displays a tree view of folders under 'Rafida'. A folder named 'chanthel2' is highlighted with a green box. Below the tree view, a table lists files within the folder: 'chanthel.txt', 'API Chanthel.pdf', and 'API Chanthel.docx'. On the right, a sidebar shows the folder's details, including its ID (239) and path (/Tree/Rafida/).

Name	Date	Size	Creator	Owner
chanthel2	02/22/2018 16:23		Administrator	Administrator
chanthel.txt	02/21/2018 13:15	2 KB	Administrator	Administrator
API Chanthel.pdf	02/22/2018 09:50	571 KB	Administrator	Administrator
API Chanthel.docx	02/22/2018 09:49	257 KB	Administrator	Administrator

**Chanthel**  
/Tree/Rafida/  
#239 • Folder • Updated by Administrator

**PROPERTIES**

Id: 239  
Path: /Tree/Rafida/  
Template: folder (id: 5)  
Created: 1 hour ago  
Modified: Administrator

**COMMENTS**

Write a comment...  
Reply

Gambar 29 Folder Setelah di rename

## 13. Get Tree Directory

Dibawah ini merupakan URL untuk menampilkan bagan direktori:

`http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=tree_directory&pid=231`

### Request:

u → username chanthel  
p → password chanthel  
act → action `tree\_directory`  
pid → parent id directory

Method	URL
Get	<code>&lt;hostname&gt;/chanthelAPI/index.php?u=&lt;username&gt;&amp;p=&lt;password&gt;&amp;act=&lt;tree_directory&gt;&amp;pid=&lt;parent_id_directory&gt;</code> <code>http://192.168.1.250/chanthelAPI/index.php?u=root&amp;p=root&amp;act=tree_directory&amp;pid=231</code>

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response :

Status	Response
0	<pre>[{"id":"232","pid":"231","name":"chanthelbaru.txt","template_id":"6","ext":"txt"}, {"id":"237","pid":"231","name":"API Chanthel.pdf","template_id":"6","ext":"pdf"}, {"id":"239","pid":"231","name":"Chanthel","template_id":"5"}, {"id":"240","pid":"231","name":"QC","template_id":"5"}, {"id":"241","pid":"231","name":"API</pre>

```
Chanthel.docx"" , ""template_id"": ""6"" , ""ext"": ""d  
ocx"" } ] "
```

← → ↻ 192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=tree\_directory&pid=231 ☆ 🔍 📄 ⋮

```
[{"id": "232", "pid": "231", "name": "chanthelbaru.txt", "template_id": "6", "ext": "txt"}, {"id": "237", "pid": "231", "name": "API Chanthel.pdf", "template_id": "6", "ext": "pdf"}, {"id": "239", "pid": "231", "name": "Chanthel", "template_id": "5"}, {"id": "240", "pid": "231", "name": "QC", "template_id": "5"}, {"id": "241", "pid": "231", "name": "API Chanthel.docx", "template_id": "6", "ext": "docx"}]
```

Gambar 30 Response dari Fitur Get Tree Directory

## 14. Get Tree Files

Dibawah ini merupakan URL untuk menampilkan bagan file.

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=tree_file&fid=237
```

### Request :

u → username chanthel  
p → password chanthel  
act → action `tree\_directory`  
fid → file id directory

Method	URL
Get	<code>&lt;hostname&gt;/chanthelAPI/index.php?u=&lt;username&gt;&amp;p=&lt;password&gt;&amp;act=&lt;tree_file&gt;&amp; fid=&lt;fileID_directory&gt;</code> <code>http://192.168.1.250/chanthelAPI/index.php?u=root&amp;p=root&amp;act=tree_file&amp;fid=237</code>

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk di infokan kepada client.

### Response :

Status	Response
0	<pre>[{"id": "237", "pid": "231", "name": "API Chanthel.pdf", "template_id": "6", "ext": "pdf"}]</pre>



Gambar 31 Response dari Fitur Get Tree File

## 15. Search

Untuk melakukan pencarian berdasarkan nama, gunakan link dibawah ini:

```
http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=search&sname=api
```

### Request

u → username chanthel  
p → password chanthel  
act → action `search`  
sname → search name

Method	URL
Get	<hostname>/chanthelAPI/index.php?u=<username>&p=<password>&act=<search>&sname<search_name>
	http://192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=search&sname=api

Di dalam Chanthel terdapat datasabe cb\_chanthel beserta table-table yang akan memproses request tersebut. Setelah selesai diproses maka akan menampilkan response dari JSON untuk kepada client.

### Response

Status	Response
0	<pre>[{"name": "api", "id": 198, "pid": 90, "template_id": 100}, {"name": "API Chanthel.docx", "id": 233, "pid": 231, "template_id": 6, "ext": "docx"}, {"name": "API Chanthel.docx", "id": 238, "pid": 231, "template_id": 6, "ext": "docx"}, {"name": "API Chanthel.docx", "id": 241, "pid": 231, "template_id": 6, "ext": "docx"}, {"name": "API Chanthel.pdf", "id": 237, "pid": 231, "template_id": 6, "ext": "pdf"}]</pre>

← → ↻ 192.168.1.250/chanthelAPI/index.php?u=root&p=root&act=search&sname=api ☆ 📄 📷 ⋮

```
[{"name": "api", "id": 198, "pid": 90, "template_id": 100}, {"name": "API Chanthel.docx", "id": 233, "pid": 231, "template_id": 6, "ext": ".docx"}, {"name": "API Chanthel.docx", "id": 238, "pid": 231, "template_id": 6, "ext": ".docx"}, {"name": "API Chanthel.docx", "id": 241, "pid": 231, "template_id": 6, "ext": ".docx"}, {"name": "API Chanthel.pdf", "id": 237, "pid": 231, "template_id": 6, "ext": ".pdf"}]
```

Gambar 32 Response dari Fitur Search