

File users

CLOUDIWAY API - Documentation

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1 Summary

Welcome to the REST API for managing the migration of the files.

The following table is the list of available APIs.

<u>Get All Users</u> GET /fileusers/getallusers	Get all users in a project
<u>Get the migration tag of a user</u> GET /fileusers/migrationtag	Get the users migration tag, the unique identifier for the user, you need it for all API request about a single user.
<u>Get a file user</u> Get /fileusers/{migrationtag}/get	Get a single user defined by its migration tag.
<u>Start a migration</u> POST /fileusers/ start	Start the migration process for a single user defined by its migration tag.
<u>Stop a migration</u> POST /fileusers/stop	Stop the migration process for a single user defined by its migration tag.
<u>Get a user's status</u> GET /fileusers/{migrationtag}/status	Get the migration status of a user defined by its migration tag.
<u>Get the migration history</u> GET /fileusers/{migrationtag}/getfilehistory	Get information about the previous passes of the user defined by its migration tag.
<u>Start an audit</u> POST /fileusers/ auditstart	Audit a user defined by its migration tag.
<u>Get audit results</u> GET /fileusers/{migrationTag}/getauditresults	Returns the results of the audit (Number of folders and files).

<u>Assign a license to a user</u> POST /fileusers/ license	Assign a file license to a user defined by its migration tag.
<u>Create a user</u> POST /fileusers/create	Create a user with parameters defined in the body of the request
<u>Delete a user</u> POST /fileusers/ delete	Delete a user defined by its migration tag. The license is not reclaimed
<u>Update a user</u> POST /fileusers/ update	Update a user with parameters defined in the body of the request
<u>Pre-process a user</u> POST /fileusers/ startpreprocessing	Start the pre-processing of a user defined by its migration tag
<u>Get the list of batches</u> GET /fileusers/batch	Get the list of file batches
<u>Get a batch</u> GET /fileusers/getbatch	Get the data of a batch defined by its name
<u>Add a user to a batch</u> POST /fileusers/addtobatch	Add a user to an already existing batch defined by its name
<u>Remove a user from a batch</u> POST /fileusers/ removefrombatch	Remove a user from a batch defined by its name
<u>Get users in Batch</u> Get /fileusers/ getusersinbatch	Get the list of users in a given Batch defined by its name.
<u>Start a batch</u>	Start a batch defined by its name

<i>POST /fileusers/startbatch</i>	
<u>Stop a batch</u> <i>POST /fileusers/stopbatch</i>	Stop a batch defined by its name
<u>Create a batch</u> <i>POST /fileusers/createbatch</i>	Create a batch with a name
<u>Delete a batch</u> <i>POST /fileusers/deletebatch</i>	Delete a batch defined by its name
<u>Get all source connectors</u> <i>GET /fileusers/getallsourceconnectors</i>	Get the list of source connectors of a project
<u>Get all target connectors</u> <i>GET /fileusers/getalltargetconnectors</i>	Get the list of target connectors of a project

2 APIs

When an API fails, it returns the following JSON structure:

```
{"hasError":True": ErrorString}
```

2.1 Get all users

```
GET /fileusers/getallusers
```

Get all users in a project.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/getallusers?consumerKey=myConsumerKey
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError":false,
  "response":[
    {
      "firstname":"John",
      "lastName":" Doe ",
      "sourceEmail":" johndoe@domain.com ",
      "targetEmail":" doejohn@newdomain.com ",
      "migrationTag":"XXXXXXXX-3162-XXXX-8fda-XXXXXXXXXXXXX"
```

```
},  
...  
}]
```

2.2 Get the migration tag of a user

```
GET /fileusers/migrationtag
```

Get the user migration tag, the migration tag is unique for the user, you need it for all API requests about a single user.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
sourceEmail	string	User source email used for the migration
targetEmail	string	User target email used for the migration

Example

```
https://apps.cloudiway.com/api/fileusers/migrationtag?consumerKey=myConsumerKey  
&consumerSecret=myConsumerSecret&sourceEmail=mySource@mydomain.com  
&targetEmail=myTarget@myDomain.com
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8


```
{ "hasError": false, "response": "c0d9b808-965e-4d80-9230-xxxxxxxxxxxxxxxx" }
```

2.3 Get a file user

```
GET /fileusers/{migrationtag}/get
```

Get a single user defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/c0d9b808-965e-4d80-9230-  
xxxxxxxxxxxxxxxx/get?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{  
  "hasError": false,  
  "response":  
    {
```

```
"id" : 123456789,  
  
"customerID":9999,  
  
"firstName":"John",  
  
"lastName":"Doe",  
  
"sourceEmail":"johndoe@domain.com",  
  
...  
  
}  
  
}
```

2.4 Start a migration

```
POST /fileusers/start
```

Start the migration process for a single user defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

```
https://apps.cloudiway.com/api/fileusers/start
```

Body

```
{  
  "consumerKey": "myConsumerKey",  
  "consumerSecret": "myConsumerSecret",  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError": false, "response": "SCHEDULED"}
```

2.5 Stop a migration

```
POST /fileusers/stop
```

Start the migration process for a single user defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

```
https://apps.cloudiway.com/api/fileusers/stop
```

Body

```
{
  "consumerKey": "myConsumerKey",
  "consumerSecret": "myConsumerSecret",
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError":false, "response": "STOP"}}
```

2.6 Get a user's status

```
GET /fileusers/{migrationtag}/status
```

Get the migration user status.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/c0d9b808-965e-4d80-9230-xxxxxxxxxxxxxxxx/status?
consumerKey=myConsumerKey &consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": "WORKING"}
```

2.7 Get the migration history

```
GET /fileusers/{migrationtag}/getfilehistory
```

Get information about the previous migration passes.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/c0d9b808-965e-4d80-9230-  
xxxxxxxxxxxxxxxx/getfilehistory? consumerKey=myConsumerKey  
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{  
  "hasError": false,  
  "response": [  
    {  
      "startDateTime": "6/25/2018 2:01:02 PM",  
      "endDateTime": "6/25/2018 2:24:07 PM",
```

```
    "fileTotal": 945,  
    "fileSuccess": 436,  
    "fileIgnored": 302,  
    "fileFailure": 0,  
    "folderTotal": 5,  
    "folderSuccess": 2,  
    "folderFailure": 0,  
    "fileAlreadyMigrated": 40  
  },  
{  
    "startDateTime": "6/26/2018 2:01:02 PM",  
    "endDateTime": "6/26/2018 2:24:07 PM",  
    "fileTotal": 945,  
    "fileSuccess": 5,  
    "fileIgnored": 5,  
    "fileFailure": 0,  
    "folderTotal": 5,  
    "folderSuccess": 5,  
    "folderFailure": 0,  
    "fileAlreadyMigrated": 476  
  }  
  
]  
}
```

2.8 Start an audit

```
POST /fileusers/auditstart
```

Start an audit for the selected user

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

<https://apps.cloudiway.com/api/fileusers/auditstart>

Body

```
{  
  "consumerKey": "myConsumerKey",  
  "consumerSecret": "myConsumerSecret",  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError": false, "response": "AUDIT "}
```


2.9 Get Audit results

```
POST /fileusers/{migrationTag}/getauditresults
```

Returns the results of an audit (The total number of files and folders)

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/c0d9b808-965e-4d80-9230-  
xxxxxxxxxxxxxxxxx/getauditresults? consumerKey=myConsumerKey  
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{ "hasError":false, "response":"Number of folders (Including the root folder) : 5 | Number of files :  
152 "}
```

2.10 Assign a license to a user

```
POST /fileusers/license
```

Assign an available file license to a user

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

<https://apps.cloudiway.com/api/fileusers/license>

Body

```
{  
  "consumerKey": "myConsumerKey",  
  "consumerSecret": "myConsumerSecret",  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError": false, "response": "License Assigned"}
```

2.11 Create a user

POST /fileusers/create

Create a user with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
firstName	string	The customers first name
lastName	string	The customers last name
sourceEmail	string	The email of the source connector
targetEmail	string	The email of the target connector
sourceConnectorName	string	The display name of the source connector
targetConnectorName	string	The display name of the target connector

Example

<https://apps.cloudiway.com/api/fileusers/create>

Body

```
{
  "auth":
  {
    "consumerKey": "myConsumerKey",
```

```
"consumerSecret":"myConsumerSecret"

},

"firstName":"John",

"lastName":"Doe",

"sourceEmail":"source@source.com",

"targetEmail":"target@target.com",

"sourceConnectorName":"Google",

"targetConnectorName":"Office »

}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{
  "hasError": false,
  "response":{
    "migrationtag": {abc-123-def...}
  }
}
```

2.12 Delete a user

```
POST /fileusers/delete
```

Create a user with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

<https://apps.cloudiway.com/api/fileusers/delete>

Body

```
{  
  "consumerKey": "myConsumerKey",  
  "consumerSecret": "myConsumerSecret",  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{ "hasError": false, "response": "User deleted" }
```

2.13 Update a user

```
POST /fileusers/update
```

Update a user with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
migrationTag	Guid	Migrationtag of a user
firstName	string	The customers first name
lastName	string	The customers last name
sourceEmail	string	The email of the source connector
targetEmail	string	The email of the target connector
sourceConnectorName	string	The display name of the source connector
targetConnectorName	string	The display name of the target connector

Example

<https://apps.cloudiway.com/api/fileusers/update>

Body

```
{  
  "auth":  
  {
```

```
"consumerKey":"myConsumerKey",  
  
"consumerSecret":"myConsumerSecret",  
  
"migrationTag":"94102641-xxxx-xxx-xxx-xxxxxxx"  
  
},  
  
"firstName":"John",  
  
"lastName":"Doe",  
  
"sourceEmail":"source@source.com",  
  
"targetEmail":"target@target.com",  
  
"sourceConnectorName":"Google",  
  
"targetConnectorName":"Office"  
  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{  
  "hasError": false, "response": User updated  
}
```

2.14 Pre-process a user

```
POST /fileusers/startpreprocessing
```

Start the pre-process for a single user defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	Migrationtag of the user

Example

```
https://apps.cloudiway.com/api/fileusers/startpreprocessing
```

Body

```
{
  "consumerKey": "myConsumerKey",
  "consumerSecret": "myConsumerSecret",
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8


```
{"hasError":false, "response": "PRE_PROCESSING"}
```

2.15 Get the list of batches

```
GET /fileusers/batch
```

Get the names of all file batches

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/batch?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError":false,
  "response":{
    "CIW_Batch1",
    "CIW_Batch2",
```

```
"CIW_Batch3"
```

```
}
```

```
}
```

2.16 Get a batch

```
GET /fileusers/getbatch
```

Get a single batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

```
https://apps.cloudiway.com/api/fileusers/getbatch?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret&batchName=myBatchName
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{
```

```
  "hasError":false,
```

```
"response":{
  "batchName":"CIW_Test",
  "nbUsers":0}
}
```

2.17 Add a user to a batch

```
POST /fileusers/addtobatch
```

Add a user defined by its migration tag to a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch
migrationTag	Guid	MigrationTag of the user

Example

<https://apps.cloudiway.com/api/fileusers/addtobatch>

Body

```
{
  "auth":
  {
    "consumerKey":"myConsumerKey",
    "consumerSecret":"myConsumerSecret",
    "migrationTag":"xxx-xxxx-xxxxxx-xxxxx-xxx-xxx"
```

```
    },  
    "batchName":"BatchName",  
  }  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": "User added to the batch:  myBatchName "}
```

2.18 Remove a user from a batch

```
POST /fileusers/removefrombatch
```

Remove a user defined by its migration tag to a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/fileusers/removefrombatch>

Body

```
{
```

```
"auth":  
  
{  
  
  "consumerKey":"myConsumerKey",  
  
  "consumerSecret":"myConsumerSecret",  
  
  "migrationTag":"xxx-xxxx-xxxxxx-xxxxx-xxx-xxx"  
  
},  
  
  "batchName":"BatchName",  
  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": "User removed from myBatchName "}}
```

2.19 Get users in batch

```
GET /fileusers/getusersinbatch
```

Get all users (Migration Tags) belonging to a Batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The name of the batch

Example

```
https://apps.cloudiway.com/api/fileusers/getusersinbatch?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret&batchName=myBatchName
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{ "hasError": false, "response":  
  {  
    xxxxx-xxxxx-xxxxxx-xxxxxx,  
    xxxxx-xxxxx-xxxxxx-xxxxxx,  
    xxxxx-xxxxx-xxxxxx-xxxxxx,  
  }  
}
```

2.20 Start a batch

```
POST /fileusers/startbatch
```

Start a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/fileusers/startbatch>

Body

```
{
  "auth":
  {
    "consumerKey": "MyConsumerKey",
    "consumerSecret": "myConsumerSecret"
  },
  "batchName": "FileBatch"
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError":false, "response": "Batch started" }
```

2.21 Stop a batch

```
POST /fileusers/stopbatch
```

Stop a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/fileusers/stopbatch>

Body

```
{  
  "auth":  
  {  
    "consumerKey":"MyConsumerKey",  
    "consumerSecret":"myConsumerSecret"  
  },  
  "batchName":"FileBatch"
```



```
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": "Batch stopped"}
```

2.22 Create a batch

```
POST /fileusers/createbatch
```

Create a batch with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/fileusers/createbatch>

Body

```
{
```

```
"auth":  
  
{  
  
  "consumerKey":"MyConsumerKey",  
  
  "consumerSecret":"myConsumerSecret"  
  
},  
  
  "batchName":" myBatchName "  
  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{  
  
  "hasError": false, "response": "Batch myBatchName created"}  
}
```

2.23 Delete a batch

```
POST /fileusers/deletebatch
```

Delete a batch defined by its batch name

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/fileusers/deletebatch>

Body

```
{
  "auth":
  {
    "consumerKey": "MyConsumerKey",
    "consumerSecret": "myConsumerSecret"
  },
  "batchName": " myBatchName "
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{ "hasError": false, "response": "Batch myBatchName deleted" }
```

2.24 Get all source connectors

```
GET /fileusers/getallsourceconnectors
```

Get all the connectors of a project.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/getallsourceconnectors?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{
  "hasError":false,
  "response":
    [
      {"name":"FileStystem","type":"FileSystem"},
      {"name":"GSites Connector","type":"GSuite"},
      {"name":"IN-Google-Demo","type":"GSuite"},
      {"name":"IN-O365-Lab","type":"OneDrive"},
      {"name":"OneDrive source","type":"OneDrive"},
      {"name":"testonedrive","type":"OneDrive"}
    ]
}
```

2.25 Get all target connectors

```
GET /fileusers/getalltargetconnectors
```

Get all the target connectors of a project.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/fileusers/getalltargetconnectors?consumerKey=myConsumerKey
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{
  "hasError":false,
  "response":
    [
      {"name":"FileStystem","type":"FileSystem"},
    ]
}
```

```
{
  "name": "GSites Connector", "type": "GSuite"},
  "name": "IN-Google-Demo", "type": "GSuite"},
  "name": "IN-O365-Lab", "type": "OneDrive"},
  "name": "OneDrive target", "type": "OneDrive"},
  "name": "testonedrive", "type": "OneDrive"}
]
```

Appendix

List of status

0	UNKNOWN
1	NOTSTARTED
2	WORKING
3	ONERROR
4	SUCCESS
5	STOP
6	PENDING
7	SCHEDULED
8	STOPPING
9	SCHEDULEDINAGENT
10	WORKINGINAGENT
11	PRE_PROCESSING
12	PRE_PROCESSING_ERROR
13	PRE_PROCESSING_PENDING
14	PRE_PROCESSING_WORKING
15	MAIL_SENT
16	AUDIT
17	AUDIT_ERROR
18	AUDIT_DONE
19	AUDIT_WORKING
20	GET_SITES
21	GET_SITES_ERROR
22	GET_SITES_DONE
23	GET_SITES_WORKING
24	LICENSE_EXCEEDED

25	GET_GROUPS_WORKING
26	GET_GROUPS_DONE
27	GET_GROUPS
28	GET_GROUPS_ERROR
29	ARCHIVESCHEDULED
30	EXPORTINPROGRESS
31	GET_SITES_AGENT
32	AUDIT_SITES_AGENT
33	SCHEDULED_SITES_AGENT
34	WAITING_ROOT_SITE
35	MAILPERMISSIONS_ERROR
36	MAILPERMISSIONS_SCHEDULED
37	MAILPERMISSIONS_WORKING
38	MAILPERMISSIONS_DONE
39	CALENDARPOSTPROCESS_ERROR
40	CALENDARPOSTPROCESS_SCHEDULED
41	CALENDARPOSTPROCESS_WORKING
42	CALENDARPOSTPROCESS_DONE
43	SHAREDMBXPREPROC_ERROR
44	SHAREDMBXPREPROC_SCHEDULED
45	SHAREDMBXPREPROC_WORKING
46	SHAREDMBXPREPROC_DONE
47	SCHEDULED_FILES_AGENT
48	MAILROOMEQUIPEMENT_ERROR
49	MAILROOMEQUIPEMENT_SCHEDULED
50	MAILROOMEQUIPEMENT_WORKING
51	MAILROOMEQUIPEMENT_DONE
52	GETEXCHANGEGUIDS_ERROR
53	GETEXCHANGEGUIDS_SCHEDULED
54	GETEXCHANGEGUIDS_WORKING
55	GETEXCHANGEGUIDS_DONE

