

E-mail notification system

Configuration

To be able to send e-mails from Web File Share, you need to either have PHP configured with “sendmail” or have Web File Share configured with an SMTP server. Do note that most SMTP servers require authentication, and to prevent spam and other attacks, some don't even allow you to send e-mails from other addresses than the one configured for authentication. So don't be surprised if you are trying to send a file from a particular e-mail address and the recipient sees the message as coming from the address you used for the SMTP authentication.

Web File Share tries to detect your SMTP server configuration and in some cases will use STARTTLS even if you don't want to. If that is the case, the solution is to open the file `customizables/config.php` (create the file if it doesn't exist) in a text editor and edit it too look like this:

```
<?php $config['system']['email']  
['smtp_options'] = ['SMTPAutoTLS' => false, 'ssl' => ['verify_peer' => false, 'verify_peer_name' => false, 'allow_self_sigh
```

Introduction

There are three ways you can configure Web File Share to send e-mail notifications:

(1) Admin users can enable or disable the “Notifications” checkbox for the users, when they create or edit their accounts. In this case the users will receive e-mail notification messages when files are upload or downloaded from their folders or when comments are attached to their files, or when other users share folders with them. The users also have control over this option and they can enable/disable from their “Account settings” panel. One requirement from e-mail notifications to be sent on other users action is the permission to “see and exchange files with”. This is set from the control panel, under the “Permissions” tab, when editing a user account. If user A isn't aware of the existence of user B, user A will not be notified if user B makes changes inside user A's folders.

(2) Admin users can also use the “Control Panel » Notifications” section for setting up rules for notifications. Here you manually select which user-performed actions should send e-mail notifications. Using this option you can configure e-mail notifications to be sent to different e-mail addresses than the ones set for the user accounts.

(3) With the Enterprise Web File Share version, users can choose to be notified when certain actions are being performed in a particular folder, by right-clicking the folder and selecting the “Notifications” option. The users can choose to be notified only about “write” actions or “read” actions. This option allows the users to receive notifications about “write” actions performed in folders that do not belong to them, but have been shared by other users, so the users can get notified when new files are available in these folders.

By default the e-mail notifications messages are sent from the e-mail address “some@email-address.com”. We recommend you to change that (from “Control Panel » System configuration » E-mail settings”) as many e-mail servers do not process messages that come from addresses that use a different domain name then the one used to host the Web File Share installation. In most cases this e-mail address needs to be associated with a valid e-mail account.

Customizing the notification messages

There are more than 70 actions that Web File Share can monitor in order to send e-mail notifications. Each action can have its own e-mail body template. For each action there is a corresponding template file, located inside the folder “customizables/emails/”. For the actions that do not have a template file, the template “customizables/emails/generic.tpl.txt” will be automatically used.

The following information which applies to all outgoing notifications can be customized from the control panel, under “System configuration”, “E-mail”, “Settings”:

- From e-mail address
- An optional BCC (Blind carbon copy) e-mail address
- E-mail subject
- Body content

E-mail template file format

```
<Action>
[...]
User "{$info.userInfo.name}" has performed the following action: "{$info.details.action}"
[...]
```

The XML tags (<Action>, <From>, <Subject>, etc...) should not be altered or removed from the template files.

The body of the notifications contains Smarty syntax that allows you to use variables and perform various logical operations. For more details on using Smarty, please check this page: <http://www.smarty.net/docs/en/smarty.for.designers.tpl>

The following **Smarty** variables are available for use inside the templates:

{ \$info.userInfo.username }	User's login name.
{ \$info.userInfo.name }	User's name.
{ \$info.userInfo.company }	Company name
{ \$info.userInfo.website }	User's website address.
{ \$info.userInfo.description }	User's admin note.
{ \$info.config.url.root }	The URL of the Quik File Share installation.
{ \$info.settings }	Array containing Quik File Share's current settings.
{ \$info.details }	Array containing details related to the performed action. The structure varies according to each specific action.

Adding an email notification template

Each action has a unique keyname. Here are two examples:

- "upload" for "When a file gets uploaded."
- "download" for "When a file gets downloaded").

(You can check the following table for a full list of keynames.)

To add a custom template for a certain action, a text file named "keyname.tpl.txt" should be created in the e-mail notifications templates folder (as pointed above).

Actions keynames

Used often	
upload	File uploaded
receive_upload	File received (via upload)
receive_copy	File received (via copy)
receive_move	File received (via move)
download	File downloaded
provide_download	File downloaded by other user
weblink_access	WebLink folder access
weblink_download	WebLink download
weblink_upload	File received (via WebLink)
shared_folder_available	New shared folder available
comment_added	File comment added
comment_received	Comment received on a file from other user

metadata_changed	Metadata information changed for a file
login	Login
folder_shared	Folder shared
weblink_create	WebLink created
file_encrypted	File encrypted
file_decrypted	File decrypted
Rarely used	
weblink_update	WebLink modified
weblink_remove	WebLink removed
logout	Logout
login_failed	Login failed
login_failed_account_deactivated	Account deactivated
password_changed	Password changed
user_manually_activated	Account activated by admin user
user_manually_deactivated	Account deactivated by admin user
comment_removed	File comment removed
folder_unshared	Folder unshared
Successful file actions	
file_moved	File moved
file_copied	File copied
file_deleted	File deleted
deleted_file_restored	Restored deleted file
trash_delete_file	File permanently deleted
file_renamed	File renamed
zip_files	Files zipped
files_send_by_email	Files sent by email
file_locked	File locked
file_unlocked	File unlocked
version_restored	File version restored
version_deleted	File version deleted
Successful folder actions	
new_folder	New folder created
folder_moved	Folder moved
folder_deleted	Folder deleted
deleted_folder_restored	Restored deleted folder
trash_delete_folder	Folder permanently deleted
folder_renamed	Folder renamed
folder_copied	Folder copied
zip_folder	Folder zipped
Failed file actions	
upload_failed	Upload failed
file_copy_failed	Failed to copy file
file_deletion_failed	Failed to delete file
file_move_failed	Failed to move file
failed_file_rename	Failed to rename file
zip_files_failed	Failed to zip files
files_send_by_email_failed	Failed to send files by email
file_lock_failed	Failed to lock file
file_unlock_failed	Failed to unlock file
failed_to_add_comment	Failed to add comment to file

failed_to_remove_comment	Failed to remove comment from file
version_restoration_failed	Failed to restore file version
version_deletion_failed	Failed to delete file version
Failed folder actions	
new_folder_failed	Failed to create new folder
failed_folder_rename	Failed to rename folder
folder_copy_failed	Failed to copy folder
folder_deletion_failed	Failed to delete folder
folder_move_failed	Failed to move folder
zip_folder_failed	Failed to zip folder
Misc	
new_user_registration	New user registration
password_changed	Password changed
password_recovery	Password recovery
Administrative	
user_added	User added
user_edited	User edited
user_deleted	User deleted
role_added	Role added
role_edited	Role edited
role_deleted	Role deleted
space_quota_warning	Space quota usage warning

Grouping notifications

You can configure Web File Share to send all the notifications for a certain time period in a single e-mail message. This helps preventing Web File Share from sending hundreds of e-mail messages at a time, when users are uploading many files in a short time span.

To enable this you need to uncheck the option "Instant email notifications" available in "Control Panel" » "System configuration" » "E-mail settings". The notifications will no longer be sent instantly, but queued until you run the script "cron/email_notifications.php" from the command line. On most Linux servers the command looks like this:

```
php cron/email_notifications.php your.server.hostname.com
```

In some cases, where you have a custom "php.ini" PHP configuration file for the Web File Share installation folder you might need to specify the path to it, so that the command is executed with the same configuration and not the default one (which usually doesn't load needed extensions, such as ionCube):

```
php -c php.ini cron/email_notifications.php your.server.hostname.com
```

Using a Cron job on Linux servers or a scheduled task on Windows, you can choose the time interval the e-mail notifications are getting sent.

You can read more about cron here: <http://en.wikipedia.org/wiki/Cron> For examples, see this page: <http://www.thegeekstuff.com/2009/06/15-practical-crontab-examples/>

If you are using a web hosting service, you most probably have a control panel tool for setting up scheduled tasks, so we recommend you to ask your server administrator or hosting service tech support how do you go about setting this up.

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