

Synchronize email accounts between ISPConfig and Nextcloud

You can synchronize user accounts between ISPConfig and a Nextcloud installation. When a new email user is created in ISPConfig, a corresponding user is automatically created in Nextcloud. The login then takes place with the email address and the corresponding password. Of course, the login also works with email users that have already been created.

Installation with the website wizard

If you have installed Nextcloud with our web wizard, you do not have to worry about the installation and can **setup the Nextcloud instance in ISPConfig** now.

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Manual installation

Install app

First log in to Nextcloud as an admin and install the ISPConfig API Backend app.

Create remote user in ISPConfig

Log in to ISPConfig and create a new remote user under System / User Management.

The screenshot shows the 'Remote User' configuration form in ISPConfig. The form is titled 'Remote User' and contains the following fields and options:

- Username:** nextcloud_admin
- Password:** (empty field) with a 'Generate Password' button.
- Password Strength:** Too short
- Repeat Password:** (empty field)
- Remote Access:** Yes (checked)
- Remote Access IPs / Hostnames (separate by , and leave blank for any):** (empty field)
- Functions:** No Monitor functions

You can freely choose the user name and password, and you should allow remote access.

Under Functions, select Nextcloud client functions, Nextcloud mail functions and Nextcloud server functions.

Configure Nextcloud API backend

To enable authentication with ISPConfig, you need to extend the Nextcloud configuration file in `config/config.php`. With this basic configuration, every mail user can authenticate with their email address or a user-defined login name and password and create a new Nextcloud account when logging in for the first time.

```
<?php
$CONFIG = array(
// [ ... ],
'user_ispconfig_api' => array(
'location' => 'https://host.domain.tld:8080/remote/index.php',
'uri' => 'https://host.domain.tld:8080/remote/',
'user' => 'remote_user',
'password' => 'secure_remote_user_password',
),
);
```

For location and uri, replace `host.domain.tld` with the address under which you can log in to ISPConfig.

Setup the Nextcloud instance in ISPConfig

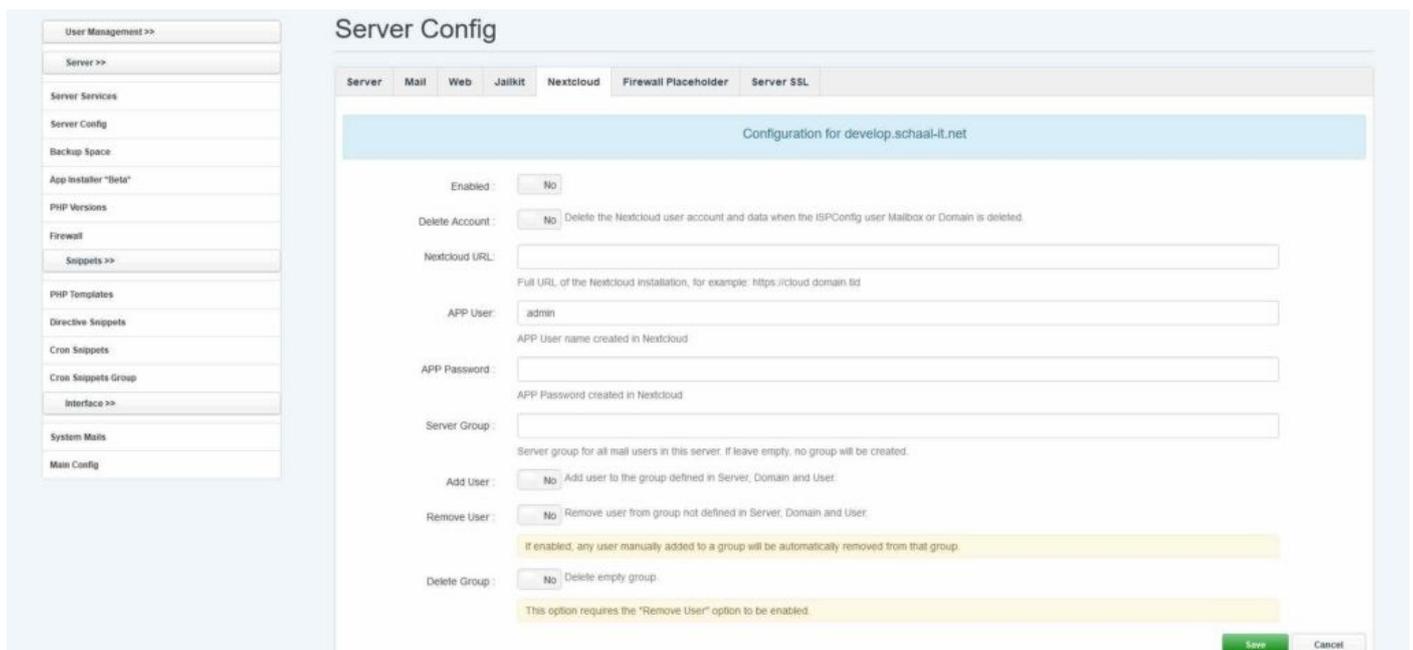
Create Nextcloud Secret

Log in to Nextcloud as an admin and go to “Personal settings / Security”. Enter the app name (e.g. `ispconfig`) and click on “Create new app password”. Copy the newly created password.

Configure ISPConfig

In the server config, select a mail server that you want to synchronize with Nextcloud.

Open the Nextcloud section, enter the address of your Nextcloud installation, the name of the admin user for Nextcloud and the APP password you have just created.



The screenshot shows the ISPConfig 'Server Config' interface. On the left is a navigation menu with options like 'User Management', 'Server', 'Server Services', 'Server Config', 'Backup Space', 'App Installer "Beta"', 'PHP Versions', 'Firewall', 'Snippets', 'PHP Templates', 'Directive Snippets', 'Cron Snippets', 'Cron Snippets Group', 'Interface', 'System Mails', and 'Main Config'. The main area is titled 'Server Config' and has tabs for 'Server', 'Mail', 'Web', 'Jailkit', 'Nextcloud', 'Firewall Placeholder', and 'Server SSL'. The 'Nextcloud' tab is active, showing configuration for 'develop.schaal-it.net'. The configuration includes:

- Enabled: No
- Delete Account: No (Delete the Nextcloud user account and data when the ISPConfig user Mailbox or Domain is deleted.)
- Nextcloud URL: (Full URL of the Nextcloud installation, for example: https://cloud.domain.tld)
- APP User: admin (APP User name created in Nextcloud)
- APP Password: (APP Password created in Nextcloud)
- Server Group: (Server group for all mail users in this server. If leave empty, no group will be created.)
- Add User: No (Add user to the group defined in Server, Domain and User.)
- Remove User: No (Remove user from group not defined in Server, Domain and User.)
- If enabled, any user manually added to a group will be automatically removed from that group.
- Delete Group: No (Delete empty group.)
- This option requires the "Remove User" option to be enabled.

At the bottom right, there are 'Save' and 'Cancel' buttons.