

```

<?php
/**
 * Nextcloud setup wizard
 *
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 *
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 */

/**
 * Please copy this file into your webserver root and open it with a browser. The
 * setup wizard checks the dependency, downloads the newest Nextcloud version, unpacks
 * it and redirects to the Nextcloud first run wizard.
 */

// Nextcloud version with possible values from
https://download.nextcloud.com/server/releases/*.zip
define('NC_VERSION', 'latest');

// init
ob_start();
error_reporting(E_ERROR | E_WARNING | E_PARSE | E_NOTICE);
ini_set('display_errors', 1);
@set_time_limit(0);

/**
 * Setup class with a few helper functions
 */
class Setup {

    private static $requirements = array(
        array(
            'classes' => array(
                'ZipArchive' => 'zip',

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        'DOMDocument' => 'dom',
        'XMLWriter' => 'XMLWriter'
    ),
    'functions' => array(
        'xml_parser_create' => 'libxml',
        'mb_detect_encoding' => 'mb multibyte',
        'ctype_digit' => 'ctype',
        'json_encode' => 'JSON',
        'gd_info' => 'GD',
        'gzencode' => 'zlib',
        'iconv' => 'iconv',
        'simplexml_load_string' => 'SimpleXML',
        'hash' => 'HASH Message Digest Framework',
        'curl_init' => 'curl',
    ),
    'defined' => array(
        'PDO::ATTR_DRIVER_NAME' => 'PDO'
    ),
)
);

/**
 * Checks if all the Nextcloud dependencies are installed
 * @return string with error messages
 */
static public function checkDependencies() {
    $error = '';
    $missingDependencies = array();

    // do we have PHP 7.2.0 or newer?
    if(version_compare(PHP_VERSION, '7.2.0', '<')) {
        $error.='PHP 7.2.0 is required. Please ask your server
administrator to update PHP to version 7.2.0 or higher.<br/>';
    }

    // running oC on windows is unsupported since 8.1
    if(substr(PHP_OS, 0, 3) === "WIN") {
        $error.='Nextcloud Server does not support Microsoft
Windows.<br/>';
    }

    foreach (self::$requirements[0]['classes'] as $class => $module) {
        if (!class_exists($class)) {
            $missingDependencies[] = array($module);
        }
    }

    foreach (self::$requirements[0]['functions'] as $function =>
$module) {
        if (!function_exists($function)) {

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        $missingDependencies[] = array($module);
    }
}
foreach (self::$requirements[0]['defined'] as $defined => $module) {
    if (!defined($defined)) {
        $missingDependencies[] = array($module);
    }
}

if(!empty($missingDependencies)) {
    $error .= 'The following PHP modules are required to use
Nextcloud:<br/>';
}
foreach($missingDependencies as $missingDependency) {
    $error .= '<li>'.$missingDependency[0].'</li>';
}
if(!empty($missingDependencies)) {
    $error .= '</ul><p style="text-align:center">Please contact
your server administrator to install the missing modules.</p>';
}

// do we have write permission?
if(!is_writable('.')) {
    $error.='Can\'t write to the current directory. Please fix
this by giving the webserver user write access to the directory.<br/>';
}

return($error);
}

/**
 * Check the cURL version
 * @return bool status of CURLOPT_CERTINFO implementation
 */
static public function isCertInfoAvailable() {
    $curlDetails = curl_version();
    return version_compare($curlDetails['version'], '7.19.1') != -1;
}

/**
 * Performs the Nextcloud install.
 * @return string with error messages
 */
static public function install() {
    $error = '';
    $directory = trim($_GET['directory']);

    // Test if folder already exists
    if(file_exists('./'.$directory.'/status.php')) {

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        return 'The selected folder seems to already contain a
Nextcloud installation. - You cannot use this script to update existing
installations.';
    }

    // downloading latest release
    if (!file_exists('nc.zip')) {
        $error .=
Setup::getFile('https://download.nextcloud.com/server/releases/'.NC_VERSION.'.zip', '
nc.zip');
    }

    // unpacking into nextcloud folder
    $zip = new ZipArchive;
    $res = $zip->open('nc.zip');
    if ($res==true) {
        // Extract it to the tmp dir
        $nextcloud_tmp_dir = 'tmp-nextcloud'.time();
        $zip->extractTo($nextcloud_tmp_dir);
        $zip->close();

        // Move it to the folder
        if ($_GET['directory'] === '.') {
            foreach
(array_diff(scandir($nextcloud_tmp_dir.'/nextcloud'), array('..', '.')) as $item) {
rename($nextcloud_tmp_dir.'/nextcloud/' . $item, './' . $item);
            }
            rmdir($nextcloud_tmp_dir.'/nextcloud');
        } else {
            rename($nextcloud_tmp_dir.'/nextcloud',
'./' . $directory);
        }
        // Delete the tmp folder
        rmdir($nextcloud_tmp_dir);
    } else {
        $error.='unzip of nextcloud source file failed.<br />';
    }

    // deleting zip file
    $result=@unlink('nc.zip');
    if($result==false) $error.='deleting of nc.zip failed.<br />';
    return($error);
}

/**
 * Downloads a file and stores it in the local filesystem
 * @param string $url
 * @param string $path

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* @return string with error messages
*/
static public function getFile($url,$path) {
    $error='';

    $fp = fopen ($path, 'w+');
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_TIMEOUT, 0);
    curl_setopt($ch, CURLOPT_FILE, $fp);
    curl_setopt($ch, CURLOPT_USERAGENT, $_SERVER['HTTP_USER_AGENT']);
    if (Setup::isCertInfoAvailable()){
        curl_setopt($ch, CURLOPT_CERTINFO, TRUE);
    }
    curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, TRUE);
    $data=curl_exec($ch);
    $curlError=curl_error($ch);
    curl_close($ch);
    fclose($fp);

    if($data==false){
        $error.='download of Nextcloud source file failed.<br
/>'.$curlError;
    }
    return($error.$curlError);
}

/**
* Shows the html header of the setup page
*/
static public function showHeader() {
    echo('
<!DOCTYPE html>
<html>
    <head>
        <title>Nextcloud Setup</title>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8"
/>
        <link rel="icon" type="image/png"
href="https://nextcloud.com/wp-content/themes/next/assets/img/common/favicon.png" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="referrer" content="never">
        <meta name="theme-color" content="#0082c9">
        <style type="text/css">
            /* Copyright (c) 2011, Jan-Christoph Borchardt,
http://jancborchardt.net
This file is licensed under the Affero General Public License version 3 or later.
See the COPYING-README file. */

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html, body, div, span, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre,
a, abbr, acronym, address, code, del, dfn, em, img, q, dl, dt, dd, ol, ul, li,
fieldset, form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td,
article, aside, dialog, figure, footer, header, hgroup, nav, section { margin:0;
padding:0; border:0; outline:0; font-weight:inherit; font-size:100%;
font-family:inherit; vertical-align:baseline; cursor:default; }
html, body { height:100%; }
article, aside, dialog, figure, footer, header, hgroup, nav, section {
display:block; }
body { line-height:1.5; }
table { border-collapse:separate; border-spacing:0; white-space:nowrap; }
caption, th, td { text-align:left; font-weight:normal; }
table, td, th { vertical-align:middle; }
a { border:0; color:#000; text-decoration:none;}
a, a *, input, input *, select, .button span, label { cursor:pointer; }
ul { list-style:none; }

body {
    background-color: #ffffff;
    font-weight: 400;
    font-size: .8em;
    line-height: 1.6em;
    font-family: \'Open Sans\', Frutiger, Calibri, \'Myriad Pro\', Myriad,
sans-serif;
    color: #000;
    height: auto;
}

#body-login {
    text-align: center;
    background-color: #0082c9;

    background-position: 50% 50%;
    background-repeat: no-repeat;
    background-size: cover;
}

.float-spinner {
    height: 32px;
    display: none;
}
#body-login .float-spinner {
    margin-top: -32px;
    padding-top: 32px;
}

/* LOG IN & INSTALLATION
----- */

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/* Some whitespace to the top */
#body-login #header {
    padding-top: 100px;
}
#body-login {
    background-attachment: fixed; /* fix background gradient */
    height: 100%; /* fix sticky footer */
}

/* Dark subtle label text */
#body-login p.info,
#body-login form fieldset legend,
#body-login #datadirContent label,
#body-login form fieldset .warning-info,
#body-login form input[type="checkbox"]+label {
    text-align: center;
    color: #fff;
}
/* overrides another !important statement that sets this to unreadable black */
#body-login form .warning input[type="checkbox"]:hover+label,
#body-login form .warning input[type="checkbox"]:focus+label,
#body-login form .warning input[type="checkbox"]+label {
    color: #fff !important;
}

#body-login form {
    width: 280px;
    margin: 0 auto;
}
#body-login .infogroup {
    margin-bottom: 15px;
}

#body-login p#message img {
    vertical-align: middle;
    padding: 5px;
}

#body-login div.buttons {
    text-align: center;
}
#body-login p.info {
    width: 22em;
    margin: 0 auto;
    padding-top: 20px;
    -webkit-user-select: none;
    -moz-user-select: none;
    -ms-user-select: none;
    user-select: none;
}
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#body-login p.info a {
    font-weight: 600;
    padding: 13px;
    margin: -13px;
}

/* position log in button as confirm icon in right of password field */
#body-login #submit.login {
    position: absolute;
    right: 0;
    top: 0;
    border: none;
    background-color: transparent;
    -ms-filter: "progid:DXImageTransform.Microsoft.Alpha(Opacity=30)";
    opacity: .3;
}
#body-login #submit.login:hover,
#body-login #submit.login:focus {
    -ms-filter: "progid:DXImageTransform.Microsoft.Alpha(Opacity=70)";
    opacity: .7;
}
#body-login input[type="password"] {
    padding-right: 40px;
    box-sizing: border-box;
    min-width: 269px;
}

#body-login form fieldset {
    margin-bottom: 20px;
    text-align: left;
    -webkit-user-select: none;
    -moz-user-select: none;
    -ms-user-select: none;
    user-select: none;
}
#body-login form #sqliteInformation {
    margin-top: -20px;
    margin-bottom: 20px;
}
#body-login form #adminaccount {
    margin-bottom: 15px;
}
#body-login form fieldset legend, #datadirContent label {
    width: 100%;
}
#body-login #datadirContent label {
    display: block;
    margin: 0;
}
#body-login form #datadirField legend {

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        margin-bottom: 15px;
    }
    #body-login #showAdvanced {
        padding: 13px; /* increase clickable area of Advanced dropdown */
    }
    #body-login #showAdvanced img {
        vertical-align: bottom; /* adjust position of Advanced dropdown arrow */
        margin-left: -4px;
    }
    #body-login .icon-info-white {
        padding: 10px;
    }

    /* strengthenify wrapper */
    #body-login .strengthenify-wrapper {
        display: inline-block;
        position: relative;
        left: 15px;
        top: -23px;
        width: 250px;
    }

    /* tipsy for the strengthenify wrapper looks better with following font settings */
    #body-login .tipsy-inner {
        font-weight: bold;
        color: #ccc;
    }

    /* General new input field look */
    #body-login input[type="text"],
    #body-login input[type="password"],
    #body-login input[type="email"] {
        border: none;
        font-weight: 300;
    }

    /* keep the labels for screen readers but hide them since we use placeholders */
    label.infield {
        display: none;
    }

    #body-login p.info a {
        color: #fff;
    }

    #body-login footer .info {
        white-space: nowrap;
    }

    /* Warnings and errors are the same */

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```
#body-login .warning,
#body-login .update,
#body-login .error {
    display: block;
    padding: 10px;
    background-color: rgba(0,0,0,.3);
    color: #fff;
    text-align: left;
    border-radius: 3px;
    cursor: default;
}

#body-login .v-align {
    width: inherit;
}

.warning legend,
.warning a,
.error a {
    color: #fff !important;
    font-weight: 600 !important;
}

.warning-input {
    border-color: #ce3702 !important;
}

/* Fixes for log in page, TODO should be removed some time */
#body-login .warning {
    margin: 0 7px 5px 4px;
}
#body-login .warning legend {
    -ms-filter: "progid:DXImageTransform.Microsoft.Alpha(Opacity=100)";
    opacity: 1;
}
#body-login a.warning {
    cursor: pointer;
}

/* Log in and install button */
#body-login input {
    font-size: 20px;
    margin: 5px;
    padding: 11px 10px 9px;
}
#body-login input[type="text"],
#body-login input[type="password"] {
    width: 249px;
}
#body-login input.login {
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        width: auto;
        float: right;
    }
    #body-login input[type="submit"] {
        padding: 10px 20px; /* larger log in and installation buttons */
    }

    /* Sticky footer */
    #body-login .wrapper {
        min-height: 100%;
        margin: 0 auto -70px;
        width: 300px;
    }
    #body-login footer, #body-login .push {
        height: 70px;
    }

    /* INPUTS */

    /* specifically override browser styles */
    input, textarea, select, button {
        font-family: \'Open Sans\', Frutiger, Calibri, \'Myriad Pro\', Myriad,
        sans-serif;
    }

    input[type="text"],
    textarea,
    select,
    button, .button,
    input[type="submit"],
    input[type="button"],
    .pager li a {
        width: 130px;
        margin: 3px 3px 3px 0;
        padding: 7px 6px 5px;
        font-size: 13px;
        background-color: #fff;
        color: #333;
        border: 1px solid #ddd;
        outline: none;
        border-radius: 3px;
    }
    input[type="hidden"] {
        height: 0;
        width: 0;
    }
    input[type="text"] {
        background: #fff;
        color: #555;

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        cursor: text;
        font-family: inherit; /* use default ownCloud font instead of default
textarea monospace */
    }
    input[type="text"] {
        -webkit-appearance:textfield;
        -moz-appearance:textfield;
        box-sizing:content-box;
    }
    input[type="text"]:hover, input[type="text"]:focus, input[type="text"]:active {
        color: #333;
        -ms-filter: "progid:DXImageTransform.Microsoft.Alpha(Opacity=100)";
        opacity: 1;
    }

    input[type="checkbox"].checkbox {
        position: absolute;
        left:-10000px;
        top: auto;
        width: 1px;
        height: 1px;
        overflow: hidden;
    }

    /* BUTTONS */
    input[type="submit"], input[type="button"],
    button, .button,
    #quota, select, .pager li a {
        width: auto;
        min-width: 25px;
        padding: 5px;
        background-color: rgba(240,240,240,.9);
        font-weight: 600;
        color: #555;
        border: 1px solid rgba(240,240,240,.9);
        cursor: pointer;
    }
    select, .button.multiselect {
        font-weight: 400;
    }
    input[type="submit"]:hover, input[type="submit"]:focus,
    input[type="button"]:hover, input[type="button"]:focus,
    .button:hover, .button:focus,
    .button a:focus,
    select:hover, select:focus, select:active {
        background-color: rgba(255, 255, 255, .95);
        color: #111;
    }
    input[type="submit"] img, input[type="button"] img, button img, .button img {
        cursor:pointer; }

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```
#header .button {
    border: none;
    box-shadow: none;
}

/* Primary action button, use sparingly */
.primary, input[type="submit"].primary, input[type="button"].primary,
button.primary, .button.primary {
    border: 1px solid #fff;
    background-color: #00a2e9;
    color: #ddd;
}
.primary:hover, input[type="submit"].primary:hover,
input[type="button"].primary:hover, button.primary:hover, .button.primary:hover,
.primary:focus, input[type="submit"].primary:focus,
input[type="button"].primary:focus, button.primary:focus, .button.primary:focus {
    background-color: #0092d9;
    color: #fff;
}
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    </style>
    </head>

    <body id="body-login">
        ');
    }
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/**
 * Shows the html footer of the setup page
 */
static public function showFooter() {
    echo('
    <footer><p class="info"><a href="https://nextcloud.com/"
target="_blank" rel="nofollow">Nextcloud</a> &ndash; a safe home for all your
data</p></footer>
    </body>
    </html>
    ');
}
```

```
/**
 * Shows the html content part of the setup page
 * @param string $title
 * @param string $content
 * @param string $nextpage
 */
static public function showContent($title, $content, $nextpage='') {
    echo('
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<script>
    var validateForm = function(){
        if (typeof urlNotExists === "undefined"){
            return true;
        }
        urlNotExists(
            window.location.href,
            function(){
window.location.assign(document.forms["install"]["directory"].value);
            }
        );
        return false;
    }
</script>
<div id="login" class="wrapper">
<div class="v-align">
    <header><div id="header">
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<svg xmlns="http://www.w3.org/2000/svg" version="1.1" xml:space="preserve"
height="100" width="210" enable-background="new 0 0 196.6 72" y="0px" x="0px"
viewBox="0 0 62.000002 34"><path
style="color-rendering:auto;text-decoration-color:#000000;color:#000000;isolation:auto;mix-blend-mode:normal;shape-rendering:auto;solid-color:#000000;block-progression:tb;text-decoration-line:none;image-rendering:auto;white-space:normal;text-indent:0;enable-background:accumulate;text-transform:none;text-decoration-style:solid"
fill="#fff" d="m31.6 4.0001c-5.95 0.0006-10.947 4.0745-12.473
9.5549-1.333-2.931-4.266-5.0088-7.674-5.0092-4.6384 0.0005-8.4524 3.8142-8.453
8.4532-0.0008321 4.6397 3.8137 8.4544 8.4534 8.455 3.4081-0.000409 6.3392-2.0792
7.6716-5.011 1.5261 5.4817 6.5242 9.5569 12.475 9.5569 5.918 0.000457 10.89-4.0302
12.448-9.4649 1.3541 2.8776 4.242 4.9184 7.6106 4.9188 4.6406 0.000828 8.4558-3.8144
8.4551-8.455-0.000457-4.6397-3.8154-8.454-8.4551-8.4533-3.3687 0.0008566-6.2587
2.0412-7.6123 4.9188-1.559-5.4338-6.528-9.4644-12.446-9.464zm0
4.9623c4.4687-0.000297 8.0384 3.5683 8.0389 8.0371 0.000228 4.4693-3.5696
8.0391-8.0389 8.0388-4.4687-0.000438-8.0375-3.5701-8.0372-8.0388 0.000457-4.4682
3.5689-8.0366 8.0372-8.0371zm-20.147 4.5456c1.9576 0.000226 3.4908 1.5334 3.4911
3.491 0.000343 1.958-1.533 3.4925-3.4911
3.4927-1.958-0.000228-3.4913-1.5347-3.4911-3.4927 0.0002284-1.9575 1.5334-3.4907
3.4911-3.491zm40.205 0c1.9579-0.000343 3.4925 1.533 3.4927 3.491 0.000457
1.9584-1.5343 3.493-3.4927 3.4927-1.958-0.000228-3.4914-1.5347-3.4911-3.4927
0.000221-1.9575 1.5335-3.4907 3.4911-3.491z"/></svg>

    </div></header><br />
    <p style="text-align:center; font-size:28px; color:#fff;
font-weight:bold;">'. $title.'</p><br />
    <form method="get" name="install" onsubmit="return
validateForm();">
        <p class="warning" style="text-align:center;
font-size:13px;">'. $content.'</p>
        <input type="hidden" name="step"

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value="'. $nextpage.'" />
    ');

    if($nextpage === 2) {
        echo ('<p class="warning">Enter a single "." to install in
the current directory, or enter a subdirectory to install to:</p>
        <input type="text" name="directory"
value="nextcloud" required="required" />');
    }
    if($nextpage === 3) {
        echo ('<input type="hidden" value="'. $_GET['directory'].'"
name="directory" />');
    }

    if($nextpage<>') echo('<input type="submit" id="submit"
class="primary button" value="Next" />');

    echo('
</form>
<div class="push"></div>
</div>
</div>
');
}

/**
 * JS function to check if user deleted this script
 * N.B. We can't reload the page to check this with PHP:
 * once script is deleted we end up with 404
 */
static public function showJsValidation(){
    echo '
<script>
        var urlNotExists = function(url, callback){
            var xhr = new XMLHttpRequest();
            xhr.open('\HEAD\'', encodeURI(url));
            xhr.onload = function() {
                if (xhr.status === 404){
                    callback();
                }
            };
            xhr.send();
        };
    </script>
';
}

/**
 * Shows the welcome screen of the setup wizard

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*/
static public function showWelcome() {
    $txt='Welcome to the Setup Wizard for<br /><b>Nextcloud</b>!<br
/><br />This wizard will:<br />1. Check the server dependencies<br />2. Download
Nextcloud<br />3. Install Nextcloud in a few simple steps';
    Setup::showContent('Setup Wizard',$txt,1);
}

/**
 * Shows the check dependencies screen
 */
static public function showCheckDependencies() {
    $error=Setup::checkDependencies();
    if($error=='') {
        $txt='All Nextcloud dependencies found';
        Setup::showContent('Dependency check',$txt,2);
    }else{
        $txt='Dependencies not found.<br />'.$error;
        Setup::showContent('Dependency check',$txt);
    }
}

/**
 * Shows the install screen
 */
static public function showInstall() {
    $error=Setup::install();

    if($error=='') {
        $txt='Nextcloud is now installed';
        Setup::showContent('Success',$txt,3);
    }else{
        $txt='Nextcloud is NOT installed<br />'.$error;
        Setup::showContent('Error',$txt);
    }
}

/**
 * Shows the redirect screen
 */
static public function showRedirect() {
    // delete own file
    @unlink(__FILE__);
    clearstatcache();
    if (file_exists(__FILE__)){
        Setup::showJsValidation();
        Setup::showContent(
            'Warning',

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        'Failed to remove installer script. Please remove '
. __FILE__ . ' manually',
        3
    );
} else {
    // redirect to Nextcloud
    header("Location: " . $_GET['directory']);
}
}
}
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```
// read the step get variable
$step = isset($_GET['step']) ? $_GET['step'] : 0;

// show the header
Setup::showHeader();

// show the right step
if ($step==0) Setup::showWelcome();
elseif ($step==1) Setup::showCheckDependencies();
elseif ($step==2) Setup::showInstall();
elseif ($step==3) Setup::showRedirect();
else echo('Internal error. Please try again.');
```

```
// show the footer
Setup::showFooter();
```