

PHPRUNNER AS CMS BACKEND AND HEADLESS CMS

With PHPRunner 10.4 it is easy to build a CMS that can be both, a CMS backend/frontend in one and a CMS backend for a „headless“ CMS. You can either publish your pages directly or just open a REST API backend for your HTML front.

These are the necessary steps:

DEFINING THE DATABASE IN MYSQL

Define a table CMS with

	#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
☐	1	ID 🗄️	int(11)			Nein	<i>kein(e)</i>		AUTO_INCREMENT
☐	2	Titel 🗄️	varchar(200)	utf8_general_ci		Ja	NULL		
☐	3	Seite 🗄️	varchar(100)	utf8_general_ci		Ja	NULL		
☐	4	Text	mediumtext	utf8_general_ci		Ja			
☐	5	Datum 🗄️	date			Ja	NULL		
☐	6	Sortierung 🗄️	varchar(10)	utf8_general_ci		Ja	NULL		
☐	7	Unterseite 🗄️	varchar(50)	utf8_general_ci		Ja	NULL		
☐	8	Bearbeitung	date			Ja	NULL		
☐	9	Autor	varchar(50)	utf8_general_ci		Ja	NULL		

Titel = title

Seite = page

Text = the html for a block, page or column – what ever you prefer

Datum = date

Sortierung = sort number

Unterseite = subpage (if necessary for larger CMS)

Bearbeitung = last edited

Autor = author

Then define a table media for all images, SVGs, PDFs etc.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	ID 🗄️	int(11)			Nein	<i>kein(e)</i>		AUTO_INCREMENT
2	Titel 🗄️	varchar(100)	utf8_general_ci		Ja	NULL		
3	Art 🗄️	varchar(20)	utf8_general_ci		Ja	NULL		
4	Datei	varchar(300)	utf8_general_ci		Ja	NULL		

Titel=title

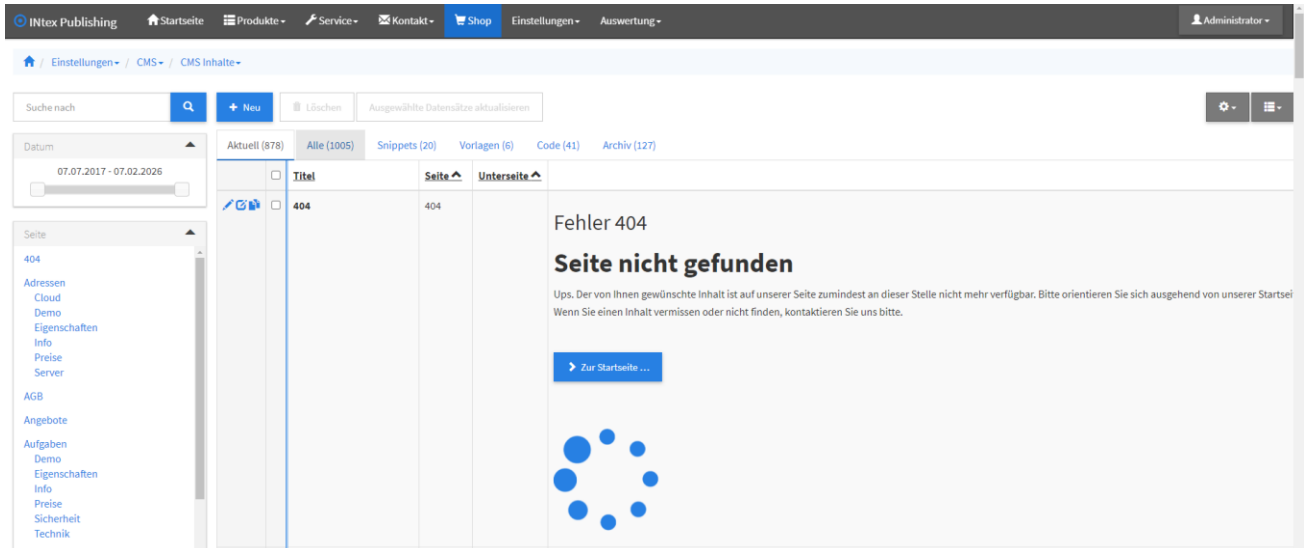
Art=type (PDF, SVG etc.)

Datei=file uploaded file

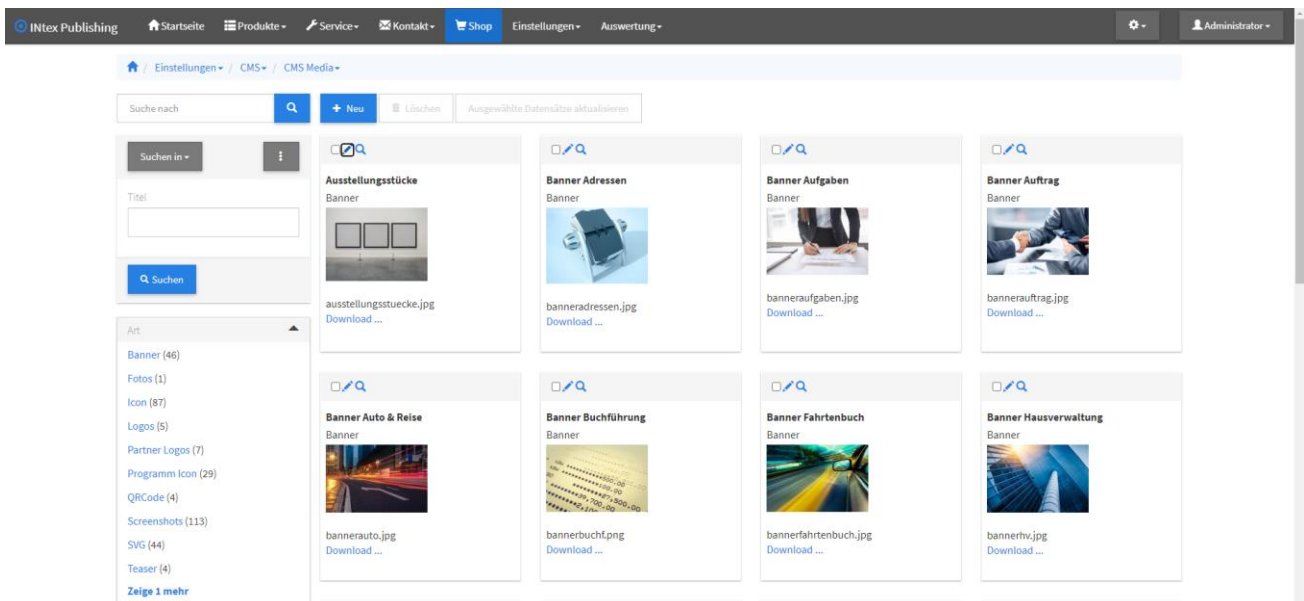
Build a backend site from this with dynamic security and switch the REST API generation on – publish. Your backend is ready to take content.

THE CONTENT

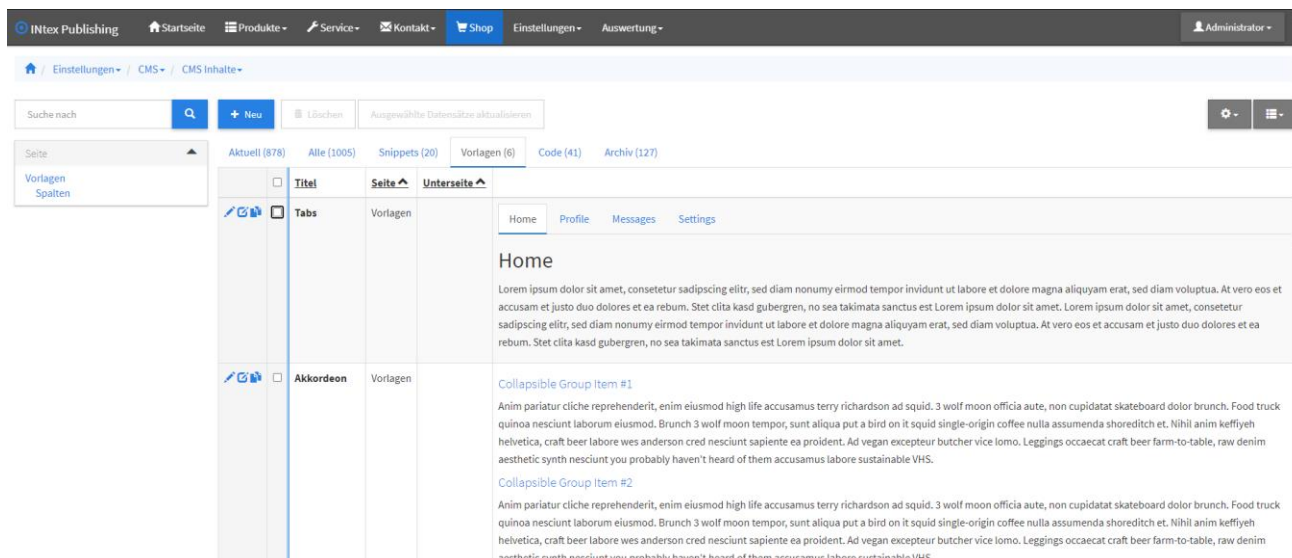
In your PHPRunner based backend you can now add and edit your content, text or media. For the text blocks you can choose whether you want to save plain text or just easy formatting like bold and italic or save fully HTML formatted blocks.



Media table could look like this:



Further ideas: Have a table with predefined blocks from which you choose, for example header, three column, text and picture and so forth.



If you want to use the same text in several circumstances it is good to define some variables like

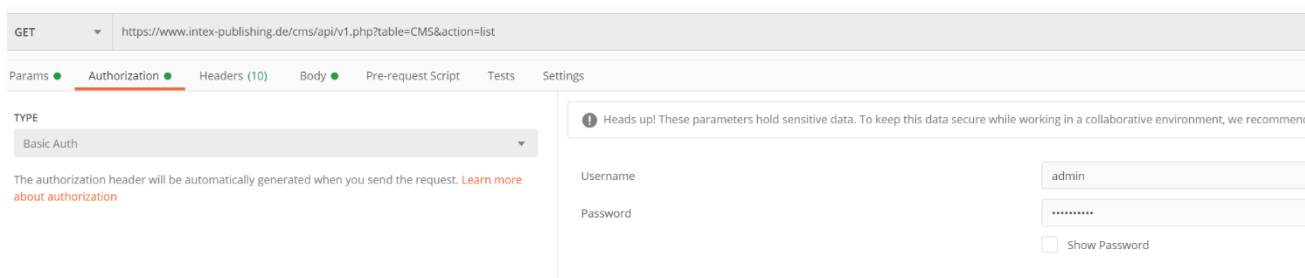
`#product#`

This you can replace with the actual product name dynamically.

BUILDING THE FRONTEND IN AN HEADLESS CMS

For the front end you can choose whatever editor you like and choose every framework you prefer (Bootstrap, AMP) etc. or just plain HTML. This is especially helpful, if you have x domains and want to serve different content or only slightly different content on all of these webspaces. In our case we have a company site with all content and a bunch of sites with their own content for every product.

With Postman you can test the API first.



Via the button „code“ in Postman you get the PHP Curl Code you need to get the data from the CMS backend.

Generated code for PHP - pecl_http

```

1  <?php
2  $client = new http\Client;
3  $request = new http\Client\Request;
4  $request->setRequestUrl('https://www.intex-publishing.de/cms/api/v1.php?action=list&table=CMS');
5  $request->setRequestMethod('GET');
6  $body = new http\Message\Body;
7  $body->addForm(array(
8      'Seite' => 'Hausverwaltung'
9  ), array(
10
11  ));
12  $request->setBody($body);
13  $request->setOptions(array());
14  $request->setHeaders(array(
15      'Authorization' => 'Basic [REDACTED]',
16      'Cookie' => [REDACTED]
17  ));
18  $client->enqueue($request)->send();
19  $response = $client->getResponse();
20  echo $response->getBody();
21

```

Now you can start coding a `index.php` file with ressources from your backend. A basic bootstrap file could look like this:

```
<!DOCTYPE html>
<html lang="de">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-
BVYiISIFeKldGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u"
crossorigin="anonymous">

    <!-- Intex CSS -->
    <link REL="stylesheet" href="style.css" type="text/css">

    <link REL="stylesheet" href="custom.css" type="text/css">

    <link href="https://www.intex-publishing.de/cms/cookiealert.css"
rel="stylesheet" />

    <link href="https://www.intex-publishing.de/cms/favicon.ico" rel="shortcut
icon" type="image/x-icon" />
    <link href="https://www.intex-publishing.de/cms/favicon.ico" rel="icon"
type="image/x-icon" />
    <title>Intex Hausverwaltung Desktop - Hausverwaltungssoftware für MacOS und
Windows</title>
  </head>
  <body class="function-list">
```

```

<!--CONTENT GOES HERE-->
<!--Navigation-->
<div class="r-topbar-page">
    <div data-menu-width="full"
        data-fixed
        class="r-topheader"
        data-resize-name="topbar"
        data-body-align="center">

<nav class="navbar navbar-default">
    <div class="container-fluid">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-
expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.php"><i style="color:#2780E3;"
class="glyphicon glyphicon-record"></i>&nbsp;INtex Hausverwaltung</a>
        </div>

        <!-- Collect the nav links, forms, and other content for toggling -->
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav">
                <li class="active"><a href="index.php">Info <span class="sr-
only">(current)</span></a></li>
                <li><a href="Hausverwaltung_Eigenschaften.php">Eigenschaften</a></li>
                <li><a href="Hausverwaltung_Demo.php">Demo</a></li>
                <li><a href="Hausverwaltung_Preise.php"><span class="menu-icon glyphicon
glyphicon-eur"></span>&nbsp;Preise</a></li>
                <li><a href="https://www.intex-
publishing.de/cms/Beratung_list.php">Beratung</a></li>
                <li><a style="background: #1A6ECC;" href="https://www.intex-
shop.de/shop/vollversionen/intex-Hausverwaltung/">Shop</a></li>
            </ul>

        </div><!-- /.navbar-collapse -->
    </div><!-- /.container-fluid -->
</nav>
</div>

<!--Text-->
<div data-body-align="center" data-body-width="standard" class="r-body" data-
resize-top="topbar" style="margin-top: 80px;">
<div class="r-content">
<div class="r-data-block" data-body-width="standard" >
<div class="r-grid">

```

```

<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => "https://www.intex-
publishing.de/cms/api/v1.php?table=HausverwaltungDT&action=list",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "GET",
    CURLOPT_HTTPHEADER => array(
        "Authorization: Basic XXX",
        "Cookie: YYY"
    ),
));

$response = curl_exec($curl);

curl_close($curl);

$info=json_decode($response, true)['data'];

usort($info, function ($a, $b) {
    return $a['Sortierung'] <=> $b['Sortierung'];
});

//Echoing the contents from the CMS backend
foreach($info as $result) {

    $htmlblock=str_replace("images/cms/", "https://www.intex-
publishing.de/cms/images/cms/", $result['Text']);

    echo $htmlblock, '<br>';

}

?>

</div>
</div>
</div>
</div>
</div>

<!-- Fussbereich -->

<?php

$curl = curl_init();

```

```

curl_setopt_array($curl, array(
    CURLOPT_URL => "https://www.intex-
publishing.de/cms/api/v1.php?table=Fuss&action=list",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "GET",
    CURLOPT_HTTPHEADER => array(
        "Authorization: Basic XXX",
        "Cookie: YYY"
    ),
));

$response = curl_exec($curl);

curl_close($curl);

$info=json_decode($response, true)['data'];

//Fuss

foreach($info as $result) {

    $htmlblock=str_replace("images/cms/", "https://www.intex-
publishing.de/cms/images/cms/", $result['Text']);

    echo $htmlblock, '<br>';

}

?>

<!-- Optional JavaScript -->

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"
integrity="sha384-
Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIPg9mGCD8wGNICPD7Txa"
crossorigin="anonymous"></script>

</body>
</html>

```

STATISTICS

Since we have PHP and a backend, you could even add your own statistics and write them back to the CMS. Create a statistics table like this:

Name	Typ	Kollation
ID 🏠	int(11)	
Zeitstempel	datetime	
Name 🏠	varchar(50)	utf8_general_
Version	varchar(50)	utf8_general_
Platform 🏠	varchar(50)	utf8_general_
UserAgent	varchar(50)	utf8_general_
Seite 🏠	varchar(50)	utf8_general_
Referer	varchar(200)	utf8_general_
IP	varchar(10)	utf8_general_
Ort	varchar(100)	utf8_general_
Land 🏠	varchar(100)	utf8_general_
Region 🏠	varchar(100)	utf8_general_
Latitude	varchar(50)	utf8_general_
Longitude	varchar(50)	utf8_general_

☐ Alle auswählen
 markierte:



Include browserdetect.php with

```
<?php
```

```
class Browser {
    /**
     * Figure out what browser is used, its version and the platform it is
     * running on.
     *
     * The following code was ported in part from JQuery v1.3.1
     */
    public static function detect() {
        $userAgent = strtolower($_SERVER['HTTP_USER_AGENT']);

        if ( strpos($userAgent, 'Firefox') !== false ) { $name = 'firefox'; }
        elseif ( strpos($userAgent, 'MSIE') !== false ) { $name = 'ie'; }
        elseif ( strpos($userAgent, 'Trident') !== false ) { $name = 'ie'; }
        elseif ( strpos($userAgent, 'Chrome') !== false ) { $name = 'chrome'; }
        elseif ( strpos($userAgent, 'Safari') !== false ) { $name = 'safari'; }

        // What version?
        if ( preg_match('/.+(?:rv|it|ra|ie)[\/: ]([\d.]+)/', $userAgent,
            $matches) ) {
```



```

        $version = $matches[1];
    }
    else {
        $version = 'unknown';
    }

    // Running on what platform?
    if (preg_match('/linux/', $userAgent)) {
        $platform = 'linux';
    }
    elseif (preg_match('/macintosh|mac os x/', $userAgent)) {
        $platform = 'mac';
    }
    elseif (preg_match('/windows|win32/', $userAgent)) {
        $platform = 'windows';
    }
    else {
        $platform = 'unrecognized';
    }

    return array(
        'name'      => $name,
        'version'   => $version,
        'platform'  => $platform,
        'userAgent' => $userAgent
    );
}

}

?>

```

In `index.php` we can write our findings to the CMS backend via REST API too.

```

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => "https://www.intex-
publishing.de/cms/api/v1.php?table=Statistik&action=insert",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "POST",
    CURLOPT_POSTFIELDS => array('Name' => $name, 'Version' => $version, 'Platform'
=> $platform, 'UserAgent' => $user, 'Zeitstempel' => $zeit, 'Seite' => $seite,
    'Referer' => $referer, 'IP' => $ip, 'Ort' => $ort, 'Region' => $region, 'Land'
=> $land, 'Longitude' => $lng, 'Latitude' => $lat),
    CURLOPT_HTTPHEADER => array(
        "Authorization: Basic XXX",
        "Cookie: YYY"
    ),
));

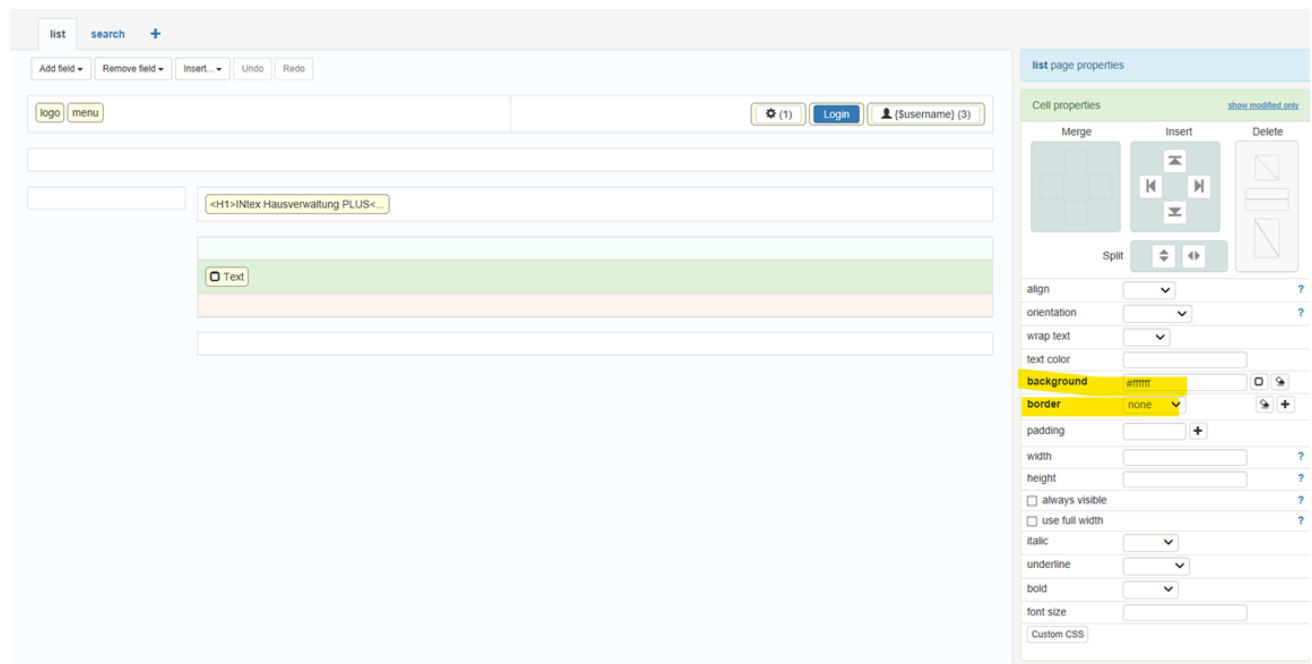
$response = curl_exec($curl);

curl_close($curl);

```

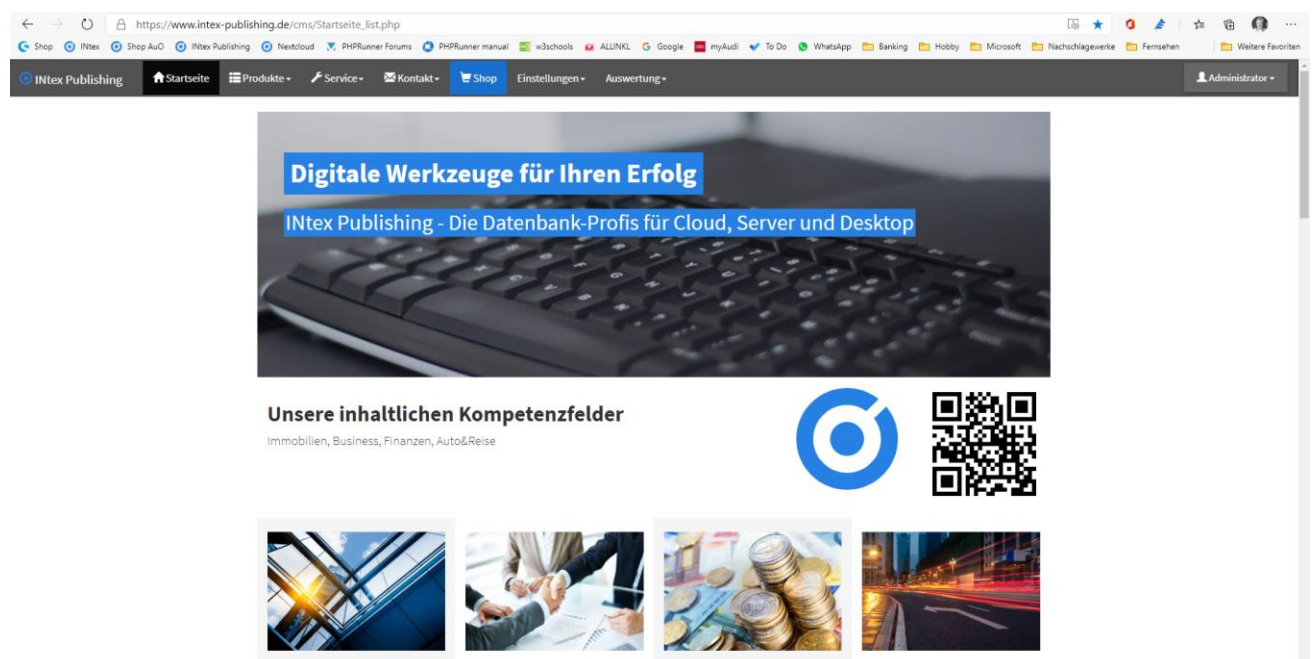
PUBLISHING PHPRUNNER PAGES DIRECTLY

And with some tweaks in Designer also your backend can serve as frontend itself.



Just set the layout to “Advanced horizontal grid”, delete all elements you don’t want to see on your published site and set the cell of the text block field (no label) to white background and no borders – to eliminate the table look.

In security you need guest access to the public web pages of your CMS and you are ready to go.



LIVE OUT IN THE WILD

You can see all this here:

www.intex-publishing.de (backend/frontend based on PHPRunner)

www.hausverwaltung-pc.de (a site drawing its content from the PHPRunner backend). There are more child sites like this.

All this is work in progress, but we are having much fun realizing, that we have all opportunities thanks to PHPRunner without any big CMS plus dozens of plugins. The system is extremely helpful serving different domains at once and publishing text/media content and data content side by side.

A list of judgments on our website.

The screenshot shows the 'Urteilsdatenbank' (Judgment Database) website. The header includes navigation links: 'Intex Publishing', 'Startseite', 'Produkte', 'Service', 'Kontakt', 'Shop', and a 'Login' button. The main title is 'Urteilsdatenbank' with the subtitle 'Mietrechtsurteile deutscher Gerichte'. Below the title, there is a search bar with the text 'Suche nach' and a magnifying glass icon. To the right of the search bar, there are two tabs: 'Alle (718)' and 'Höchststrichterlich (161)'. On the left side, there is a sidebar with a list of courts (Gericht) and a date range selector. The main content area displays a list of judgments, each with a magnifying glass icon, a brief description, and a date.

Gericht	Datum	Urteil
AG Aachen (2)	15.07.2020	Haftung bei Brandschaden : Nach Brand in Wohnhaus: Richter mahnen zu Vorsicht be Mehr ...
AG Berlin (4)	15.07.2020	Zulässige fristlose Kündigung eines Wohnungsmieters wegen Lagerung und geplante Mehr ...
AG Berlin Lichtenberg (1)	15.07.2020	Niedersächsische Mietpreisbremse wohl rechtswidrig
AG Berlin Mitte (2)	13.07.2020	Mietvertrag, Schönheitsreparatur u. Renovierungsklausel
AG Berlin Neukölln (2)	13.07.2020	Vermieter muss Lagerung von Feuerwerkskörpern nicht dulden
AG Berlin Schöneberg (1)	11.07.2020	Mieter und Vermieter sollen sich das Renovieren teilen
AG Berlin Tempelhof (1)	10.07.2020	Streitfall „Balkonien“: Was auf Terrasse und Balkon erlaubt ist und was verboten
AG Berlin-Charlottenburg (2)	08.07.2020	Wer streicht? - BGH vor Urteil zu Schönheitsreparaturen
AG Berlin-Kreuzberg (1)	08.07.2020	Renovierung: BGH fällt Urteil - was Mieter und Vermieter wissen müssen
AG Berlin-Neukölln (1)	07.07.2020	Hundegehaltsverbot in Mietwohnung nur bei konkreter von Hund ausgehender Gefahr Mehr ...
Zeige 103 mehr	06.07.2020	Miete einbehalten : Mietstreit führt zu Kündigung
	02.07.2020	Räumungsfrist von drei Monaten aufgrund pandemiebedingter Schwierigkeiten bei de Mehr ...
	01.07.2020	BGH klärt Rechte bei Schönheitsreparaturen
	01.07.2020	BGH klärt Mieterrechte bei Schönheitsreparaturen
	30.06.2020	Teils lange Verjährungsfrist bei Schaden nach einer Renovierung
	29.06.2020	Hartz IV: Volle Kostenübernahme auch für zwei Mieten möglich
	29.06.2020	Separat abgeschlossene Mietverträge über Wohnung und Kfz-Stellplatz sind zwei Ve Mehr ...

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