

How to convert PDF to image asynchronously for PDF to image API in PHP with ByteScout Cloud API Server

How to convert PDF to image asynchronously in PHP with easy ByteScout code samples to make PDF to image API. Step-by-step tutorial

This page displays the step-by-step instructions and algorithm of how to convert PDF to image asynchronously and how to apply it in your application. PDF to image API in PHP can be applied with ByteScout Cloud API Server. ByteScout Cloud API Server is the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server or into private cloud server. Can store data on in-house local server based storage or in Amazon AWS S3 bucket. Processing data solely on the server using built-in ByteScout powered engine, no cloud services are used to process your data!.

This simple and easy to understand sample source code in PHP for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement PDF to image API. This sample code in PHP is all you need. Just copy-paste it to the code editor, then add a reference to ByteScout Cloud API Server and you are ready to try it! Enjoy writing a code with ready-to-use sample PHP codes to add PDF to image API functions using ByteScout Cloud API Server in PHP.

Free! Free! Free! ByteScout free trial version is available for FREE download from our website. Programming tutorials along with source code samples are assembled.

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Source Code Files:

pdf-to-jpeg-async.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Cloud API asynchronous "PDF To JPEG" job example (allows to avoid timeout errors)</title>
</head>
<body>

<?php

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:443"
// If it's not then please replace this with your hosting url.

// Cloud API asynchronous "PDF To JPEG" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.

// Direct URL of source PDF file. Check another example if you need to upload a local file.
$sourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pdf-test.pdf";
// Comma-separated list of page indices (or ranges) to process. Leave empty for all pages.
$pages = "";
// PDF document password. Leave empty for unprotected documents.
$password = "";

// Prepare URL for `PDF To JPEG` API call
$url = "https://localhost/pdf/convert/to/jpg" .
    "?url=" . $sourceFileUrl .
    "&password=" . $password .
    "&pages=" . $pages .
    "&async=true"; // (!) Make asynchronous job

// Create request
$curl = curl_init();

curl_setopt($curl, CURLOPT_URL, $url);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

// Execute request
$result = curl_exec($curl);

if (curl_errno($curl) == 0)
{
    $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

    if ($status_code == 200)
    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            // URL of generated JSON file available after the job completion; it will contain the result file URL
            $resultFileUrl = $json["url"];
        }
    }
}
```

```

// Asynchronous job ID
$json["jobId"];

// Check the job status in a loop
do
{
    $status = CheckJobStatus($jobId); // Possible statuses: "working", "failed", "success"

    // Display timestamp and status (for demo purposes)
    echo "<p>" . date(DATE_RFC2822) . ":" . $status . "</p>";

    if ($status == "success")
    {
        // Display link to the file with conversion results
        echo "<div><h2>Splitting Results:</h2><a href='"
        $resultFileUrl
        break;
    }
    else if ($status == "working")
    {
        // Pause for a few seconds
        sleep(3);
    }
    else
    {
        echo $status . "<br/>";
        break;
    }
}
while (true);
}

else
{
    // Display service reported error
    echo "<p>Error: " . $json["message"] . "</p>";
}

else
{
    // Display request error
    echo "<p>Status code: " . $status_code . "</p>";
    echo "<p>" . $result . "</p>";
}

else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

function CheckJobStatus($jobId)
{
    $status = null;

    // Create URL
    $url = "https://localhost/job/check?jobid=" . $jobId;
}

```

```

// Create request
$curl = curl_init();

curl_setopt($curl, CURLOPT_URL, $url);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

// Execute request
$result = curl_exec($curl);

if (curl_errno($curl) == 0)
{
    $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

    if ($status_code == 200)
    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            $status = $json["status"];
        }
        else
        {
            // Display service reported error
            echo "<p>Error: " . $json["message"] . "</p>";
        }
    }
    else
    {
        // Display request error
        echo "<p>Status code: " . $status_code . "</p>";
        echo "<p>" . $result . "</p>";
    }
}
else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

return $status;
}

?>

</body>
</html>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Cloud API asynchronous "PDF To PNG" job example (allows to avoid timeout errors)</title>
</head>
<body>

<?php

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:443"
// If it's not then please replace this with your hosting url.

// Cloud API asynchronous "PDF To PNG" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.

// Direct URL of source PDF file. Check another example if you need to upload a local file.
$sourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pdf-to-png-test.pdf";
// Comma-separated list of page indices (or ranges) to process. Leave empty for all pages.
$pages = "";
// PDF document password. Leave empty for unprotected documents.
$password = "";

// Prepare URL for `PDF To PNG` API call
$url = "https://localhost/pdf/convert/to/png" .
    "?url=" . $sourceFileUrl .
    "&password=" . $password .
    "&pages=" . $pages .
    "&async=true"; // (!) Make asynchronous job

// Create request
$curl = curl_init();

curl_setopt($curl, CURLOPT_URL, $url);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

// Execute request
$result = curl_exec($curl);

if (curl_errno($curl) == 0)
{
    $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

    if ($status_code == 200)
    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            // URL of generated JSON file available after the job completion; it will contain the result
            $resultImageUrl = $json["url"];
            // Asynchronous job ID
            $jobId = $json["jobId"];

            // Check the job status in a loop
            do
            {
                $status = CheckJobStatus($jobId); // Possible statuses: "working", "finished", "failed"
            }
            while ($status != "finished");
        }
    }
}

```

```

// Display timestamp and status (for demo purposes)
echo "<p>" . date(DATE_RFC2822) . ":" . $status . "</p>";

if ($status == "success")
{
    // Display link to the file with conversion results
    echo "<div><h2>Splitting Results:</h2><a href='" . $resultFileUrl
    break;
}
else if ($status == "working")
{
    // Pause for a few seconds
    sleep(3);
}
else
{
    echo $status . "<br/>";
    break;
}
}

while (true);
}

else
{
    // Display service reported error
    echo "<p>Error: " . $json["message"] . "</p>";
}

}

else
{
    // Display request error
    echo "<p>Status code: " . $status_code . "</p>";
    echo "<p>" . $result . "</p>";
}

}

else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

function CheckJobStatus($jobId)
{
    $status = null;

    // Create URL
    $url = "https://localhost/job/check?jobid=" . $jobId;

    // Create request
    $curl = curl_init();

    curl_setopt($curl, CURLOPT_URL, $url);
    curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

    // Execute request

```

```

$result = curl_exec($curl);

if (curl_errno($curl) == 0)
{
    $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

    if ($status_code == 200)
    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            $status = $json["status"];
        }
        else
        {
            // Display service reported error
            echo "<p>Error: " . $json["message"] . "</p>";
        }
    }
    else
    {
        // Display request error
        echo "<p>Status code: " . $status_code . "</p>";
        echo "<p>" . $result . "</p>";
    }
}
else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

return $status;
}

?>

</body>
</html>

```

pdf-to-tiff-async.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Cloud API asynchronous "PDF To TIFF" job example (allows to avoid timeout e</title>

```

```
</head>
<body>

<?php

// Please NOTE: In this sample we're assuming Cloud API Server is hosted at "https://lo
// If it's not then please replace this with your hosting url.

// Cloud API asynchronous "PDF To TIFF" job example.
// Allows to avoid timeout errors when processing huge or scanned PDF documents.

// Direct URL of source PDF file. Check another example if you need to upload a local :
$sourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pd
// Comma-separated list of page indices (or ranges) to process. Leave empty for all pag
$pages = "";
// PDF document password. Leave empty for unprotected documents.
$password = "";

// Prepare URL for `PDF To TIFF` API call
$url = "https://localhost/pdf/convert/to/tiff" .
"?url=" . $sourceFileUrl .
"&password=" . $password .
"&pages=" . $pages .
"&async=true"; // (!) Make asynchronous job

// Create request
$curl = curl_init();

curl_setopt($curl, CURLOPT_URL, $url);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

// Execute request
$result = curl_exec($curl);

if (curl_errno($curl) == 0)
{
    $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

    if ($status_code == 200)
    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            // URL of generated TIFF file available after the job completion
            $resultImageUrl = $json["url"];
            // Asynchronous job ID
            $jobId = $json["jobId"];

            // Check the job status in a loop
            do
            {
                $status = CheckJobStatus($jobId); // Possible statuses: "working", "fa

                // Display timestamp and status (for demo purposes)
                echo "<p>" . date(DATE_RFC2822) . ":" . $status . "</p>";

                if ($status == "success")
                {
                    // Display link to the file with conversion results

```

```

        echo "<div><h2>Splitting Results:</h2><a href='\" . $resultFileUrl
        break;
    }
    else if ($status == "working")
    {
        // Pause for a few seconds
        sleep(3);
    }
    else
    {
        echo $status . "<br/>";
        break;
    }
}
while (true);
}
else
{
    // Display service reported error
    echo "<p>Error: " . $json["message"] . "</p>";
}
}
else
{
    // Display request error
    echo "<p>Status code: " . $status_code . "</p>";
    echo "<p>" . $result . "</p>";
}
}
else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

function CheckJobStatus($jobId)
{
    $status = null;

    // Create URL
    $url = "https://localhost/job/check?jobid=" . $jobId;

    // Create request
    $curl = curl_init();

    curl_setopt($curl, CURLOPT_URL, $url);
    curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);

    // Execute request
    $result = curl_exec($curl);

    if (curl_errno($curl) == 0)
    {
        $status_code = curl_getinfo($curl, CURLINFO_HTTP_CODE);

        if ($status_code == 200)

```

```

    {
        $json = json_decode($result, true);

        if ($json["error"] == false)
        {
            $status = $json["status"];
        }
        else
        {
            // Display service reported error
            echo "<p>Error: " . $json["message"] . "</p>";
        }
    }
    else
    {
        // Display request error
        echo "<p>Status code: " . $status_code . "</p>";
        echo "<p>" . $result . "</p>";
    }
}
else
{
    // Display CURL error
    echo "Error: " . curl_error($curl);
}

// Cleanup
curl_close($curl);

return $status;
}

?>

</body>
</html>

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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