How to read barcode from URL asynchronously for barcode reader API in PowerShell with ByteScout Cloud API Server

Learn in simple ways: How to read barcode from URL asynchronously for barcode reader API in PowerShell

The easy to understand coding guides help you check the features without any need to write your own code. ByteScout Cloud API Server was designed to assist barcode reader API in PowerShell. 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 buil-in ByteScout powered engine, no cloud services are used to process your data!.

This simple and easy to understand sample source code in PowerShell for ByteScout Cloud API Server contains different functions and options you should do calling the API to implement barcode reader API. Follow the tutorial and copy - paste code for PowerShell into your project's code editor. Want to see how it works with your data then code testing will allow the function to be tested and work properly.

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Source Code Files:

ReadBarcodeFromUrlAsynchronously.ps1

```powershell
# 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 with your hosting url.

# Cloud API asynchronous "Barcode Reader" job example.
# Allows to avoid timeout errors when processing huge or scanned PDF documents.

# Direct URL of source file to search barcodes in.
$SourceFileURL = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/bar
# Comma-separated list of barcode types to search.
$BarcodeTypes = "Code128,Code39,Interleaved2of5,EAN13"
# Comma-separated list of page indices (or ranges) to process. Leave empty for all page
$Pages = ""
# (!) Make asynchronous job
$Async = $true

# Prepare URL for `Barcode Reader` API call
$query = "https://localhost/barcode/read/from/url?types=$($BarcodeTypes)&pages=$($Pages
$query = [System.Uri]::EscapeUriString($query)

try {
    # Execute request
    $jsonResponse = Invoke-RestMethod -Method Get  -Uri $query

    if ($jsonResponse.error -eq $false) {
        # Asynchronous job ID
        $jobId = $jsonResponse.jobId
        # URL of generated JSON file with decoded barcodes that will available after t
        $resultFileUrl = $jsonResponse.url

        # Check the job status in a loop.
        # If you don't want to pause the main thread you can rework the code
        # to use a separate thread for the status checking and completion.
        do {
            $statusCheckUrl = "https://localhost/job/check?jobid=" + $jobId
            $jsonStatus = Invoke-RestMethod -Method Get  -Uri $statusCheckUrl

            # Display timestamp and status (for demo purposes)
            Write-Host "$(Get-date): $($jsonStatus.status)"

            if ($jsonStatus.status -eq "success") {
                # Download JSON file with decoded barcodes
                $jsonFoundBarcodes = Invoke-RestMethod -Method Get  -Uri $resultFileUrl

                # Display found barcodes in console
                foreach ($barcode in $jsonFoundBarcodes)
                {
                    Write-Host "Found barcode:"
                    Write-Host "  Type: " + $barcode.TypeName
                    Write-Host "  Value: " + $barcode."Value"
                    Write-Host "  Document Page Index: " + $barcode."Page"
                    Write-Host "  Rectangle: " + $barcode."Rect"
                    Write-Host "  Confidence: " + $barcode."Confidence"
                    Write-Host ""
```

```powershell
                }
                break
            }
            elseif ($jsonStatus.status -eq "working") {
                # Pause for a few seconds
                Start-Sleep -Seconds 3
            }
            else {
                Write-Host $jsonStatus.status
                break
            }
        }
        while ($true)
    }
    else {
        # Display service reported error
        Write-Host $jsonResponse.message
    }
}
catch {
    # Display request error
    Write-Host $_.Exception
}
```

run.bat

```bat
@echo off

powershell -NoProfile -ExecutionPolicy Bypass -Command "& .\ReadBarcodeFromUrlAsynchro
echo Script finished with errorlevel=%errorlevel%

pause
```

VIDEO

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

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