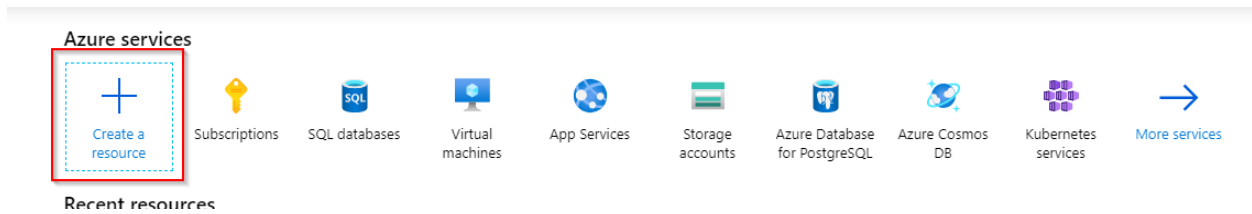
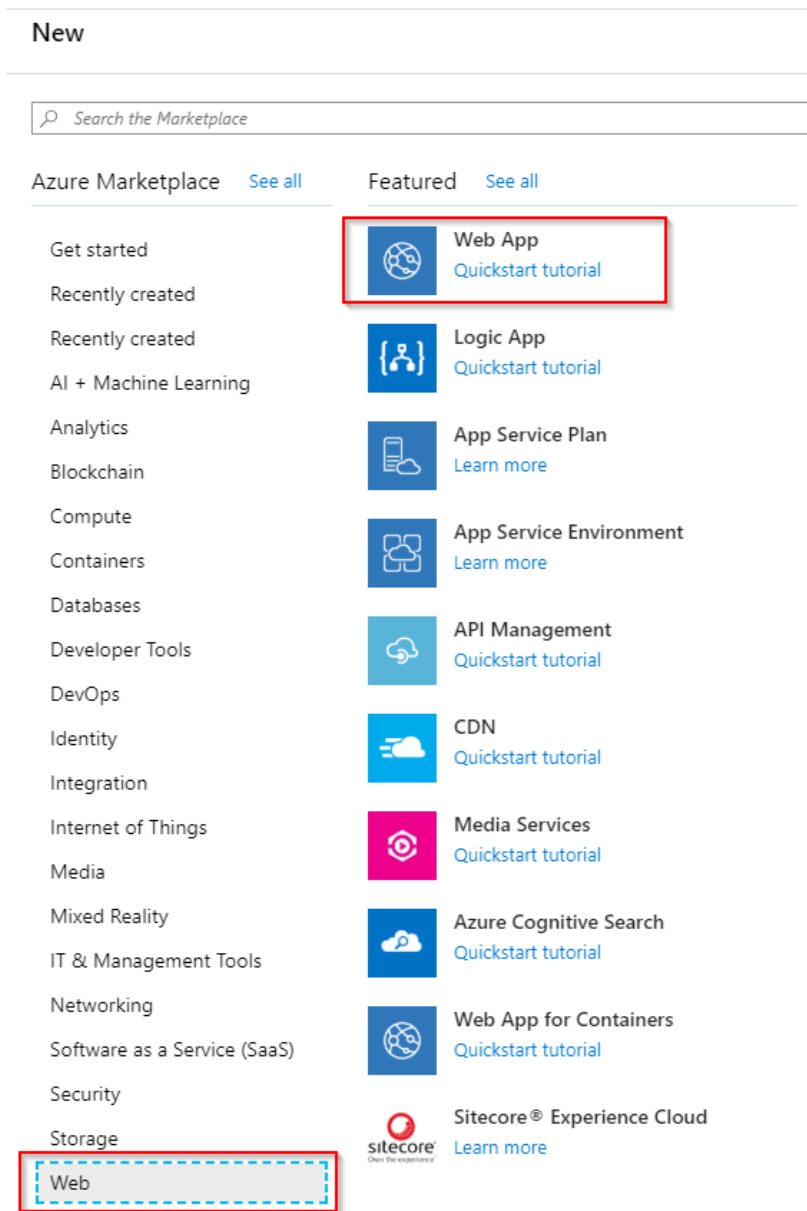


## 1. Log into the Azure portal and add a new resource



## 2. Select Web \ Web App



3. Fill in the required information

- a. Runtime stack needs to be ASP.NET V4.7 (or any later .NET Framework one, not .NET Core)
- b. Choose a size that will allow for continues operation without limits. The one below is just for testing. A production one is recommended.

[Basics](#) [Monitoring](#) [Tags](#) [Review + create](#)

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

### Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource Group \*

[Create new](#)

### Instance Details

Name \*

[.azurewebsites.net](#)

Publish \*  Code  Docker Container

Runtime stack \*

Operating System \*  Linux  Windows

Region \*

Not finding your App Service Plan? Try a different region.

### App Service Plan

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Windows Plan (West Europe) \*


[Create new](#)

Sku and size \*

**Basic B1**  
100 total ACU, 1.75 GB memory  
[Change size](#)

#### 4. App insights is not required

Basics Monitoring Tags Review + create

Azure Monitor gives you full observability into your applications, infrastructure, and network. [Learn more](#) 

##### Application Insights

Enable Application Insights \*

No  Yes

#### 5. Tags are not required

Basics Monitoring Tags Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups.

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ	Value ⓘ	Resource
<input type="text"/>	:	<input type="text"/>
<input type="text"/>	:	3 selected <input type="text"/>

6. Review the configuration and click [Create]

[Basics](#) [Monitoring](#) [Tags](#) [Review + create](#)

### Summary



### Details

Subscription	XXXXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX
Resource Group	ExploratoryTests
Name	DupeDetectionBackgroundProcessingDevTest
Publish	Code
Runtime stack	ASP.NET V4.7

### App Service Plan (New)

Name	ASP-ExploratoryTests-bd68
Operating System	Windows
Region	West Europe
SKU	Basic
Size	Small
ACU	100 total ACU
Memory	1.75 GB memory

### Monitoring

Application Insights	Not enabled
----------------------	-------------

[Create](#) [< Previous](#) [Next >](#) [Download a template for automation](#)

Wait for the deployment to be done...

7. Wait for the deployment to be done and click [Go to resource]

## ✓ Your deployment is complete



Deployment name: Microsoft.Web-WebApp-Portal-  
Subscription:   
Resource group: ExploratoryTests

Start time: 11/25/2019, 11:04:10 PM  
Correlation ID:

Deployment details (Download)

Next steps

Go to resource

8. Go to Configuration \ GeneralSettings and select the “Always on” option. Click [Save].

Home > DupeDetectionBackgroundProcessingDevTest - Configuration

### DupeDetectionBackgroundProcessingDevTest - Configuration

App Service

Search (Ctrl+/) Refresh Save Discard

Deployment slots  
Deployment Center

Settings

- Configuration
- Authentication / Authorization
- Application Insights
- Identity
- Backups
- Custom domains
- TLS/SSL settings
- Networking

#### Platform settings

Platform	32 Bit	
Managed pipeline version	Integrated	
FTP state	All allowed	FTP based deployment can be disabled or configure connections. <a href="#">Learn more</a>
HTTP version	1.1	
Web sockets	<input type="radio"/> On <input checked="" type="radio"/> Off	
Always on	<input checked="" type="radio"/> On <input type="radio"/> Off	Prevents your app from being idled out due to inactivity. <a href="#">Learn more</a>

9. Go to Configuration \ Application settings and add the CRM connection string and sleep time.
  - a. The connection string key is **CRM** and the value is something like  
`Url=https://myorg.crm.dynamics.com/; Username=admin@myorg.com; Password=SuperSecret`
  - b. The sleep time key is **SleepTimeSeconds** and a good default would be 15 (it will query CRM every 15 seconds for pending background operations).

**DupeDetectionBackgroundProcessingDevTest - Configuration**

App Service

Search (Ctrl+/) Refresh Save Discard

Application settings \* General settings Default documents Path mappings

**Application settings**

Application settings are encrypted at rest and transmitted over an encrypted channel. You can choose to display them in plain text in your browser by using the controls below. Application Settings are exposed as environment variables for access by your application at runtime. [Learn more](#)

+ New application setting Show values Advanced edit Filter

Name	Value	Source	Deployment slot setting	Delete	Edit
SleepTimeSeconds	Hidden value. Click show values button	App Config			

**Connection strings**

Connection strings are encrypted at rest and transmitted over an encrypted channel.

+ New connection string Show values Advanced edit Filter

Name	Value	Type	Deployment...	Delete	Edit
CRM	Hidden value. Click show values	Custom			

### Add/Edit application setting

Name

Value

Deployment slot setting

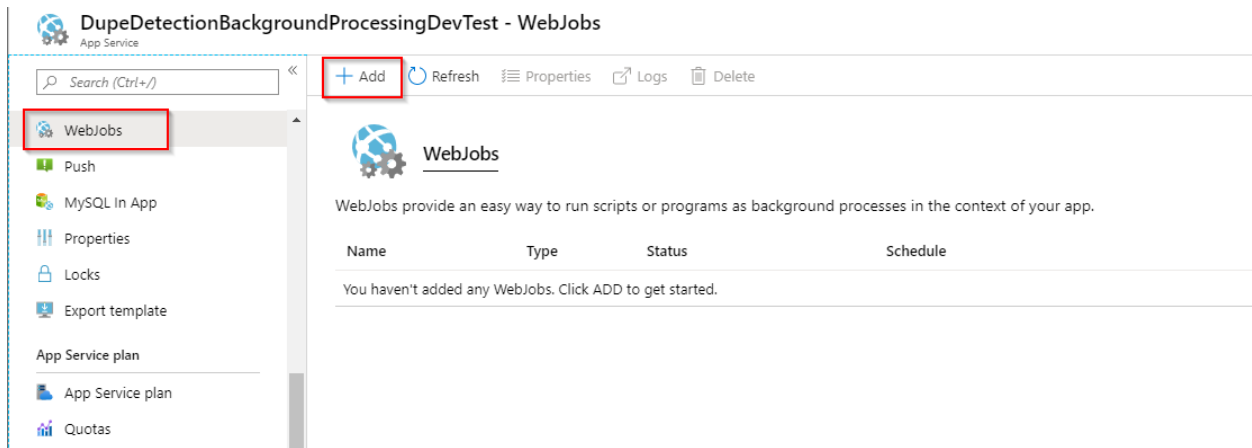
### Add/Edit connection string

Name

Value

Type

10. Go to WebJobs and click [Add]



11. Configure the WebJob

- a. File upload is the zip file
- b. Type needs to be Continuous
- c. Scale should be single instance (to avoid race conditions)

**Add WebJob**  
dupedetectionbackgroundprocessingdevtest

---

Name \* ⓘ

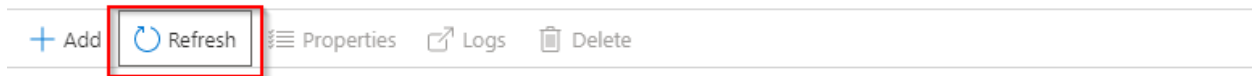
File Upload \*

Type ⓘ

Scale ⓘ

---

## 12. Click refresh until the app is running

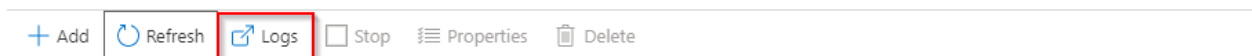


WebJobs

WebJobs provide an easy way to run scripts or programs as background processes in the context of your app.

Name	Type	Status	Schedule
DdBackgroundProcessing	Continuous	Running	n/a

## 13. Click on Logs to see if everything is OK



WebJobs

WebJobs provide an easy way to run scripts or programs as background processes in the context of your app.

Name	Type	Status	Schedule
DdBackgroundProcessing	Continuous	Running	n/a

If it is you should see something like this

### Continuous WebJob Details DdBackgroundProcessing

**Running**  
Run command: run.exe

Toggle Output

Refreshed 12 seconds ago, [refresh](#) or [download](#)

```
[11/25/2019 22:19:49 > cdae3f: INFO] 2019-11-25 22:19:49.3798[DuplicateDetection.BackgroundService.Standalone.Program|INFO]Version 2019.11.25.0
[11/25/2019 22:19:51 > cdae3f: SYS INFO] Detected WebJob file/s were updated, refreshing WebJob
[11/25/2019 22:19:51 > cdae3f: SYS INFO] Status changed to Stopping
[11/25/2019 22:19:53 > cdae3f: INFO] 2019-11-25 22:19:53.7435[DuplicateDetection.BackgroundService.Standalone.Program|INFO]Logged into CRM as user cc0fab03-8402-4eb2-b5d4-e96267da1a25
[11/25/2019 22:19:53 > cdae3f: INFO] 2019-11-25 22:19:53.7626[DuplicateDetection.BackgroundService.Standalone.Program|TRACE]Running background job
[11/25/2019 22:19:55 > cdae3f: INFO] 2019-11-25 22:19:55.0011[DuplicateDetection.BackgroundService.Standalone.Program|TRACE]Sleeping for 15 seconds...
[11/25/2019 22:19:56 > cdae3f: ERR ] Thread was being aborted.
[11/25/2019 22:19:56 > cdae3f: SYS INFO] WebJob process was aborted
[11/25/2019 22:19:56 > cdae3f: SYS INFO] Status changed to Stopped
```







## 14. Verify it's working in CRM

### Bulk detection 2019-11-25 23:31:24

DD Background Operation

**General** Related

Status	* Active
--------	----------

Name	* Bulk detection 2019-11-25 23:31:24	Owner	*  <a href="#">Lukasz Grzybowski-Glikman</a>
Type	* Bulk Detection	Working on	Processing records
Status	* Active	Status Reason	In Progress
Duplicate Detection Rule	 Same account name	Bulk Operation	 Same account name 2019-11-25 2...
Scheduled On	---  ---	Run as current user	* Yes
Log	2019-11-25 22:32:07.457 Processing record 6/104... 2019-11-25 22:32:02.702 Processing record 5/104... 2019-11-25 22:31:57.552 Processing record 4/104... 2019-11-25 22:31:52.835 Processing record 3/104... 2019-11-25 22:31:48.043 Processing record 2/104... 2019-11-25 22:31:43.797 Processing record 1/104... 2019-11-25 22:31:42.780 Got 104 records to process. 2019-11-25 22:31:39.281 Retrieving all records... 2019-11-25 22:31:38.337 Updated. 2019-11-25 22:31:37.384 Updating Bulk Operation on Background Operation... 2019-11-25 22:31:36.430 Initialized. 2019-11-25 22:31:33.147 Starting up...		