

# Publish Azure Machine Learning Web Service to the Azure Marketplace

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Updated: 01-09-2015

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The Azure Marketplace provides the ability to publish Azure Machine Learning web services as paid or free services for consumption by external customers. This article provides an overview of that process with links to guidelines to get you started. By using this process, you can make your web services available for other developers to consume in their applications.

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(<https://studio.azureml.net/?selectAccess=true&o=2>)

## Overview of the publishing process

The following are the steps for publishing an Azure Machine Learning web service to Azure Marketplace:

1. Create and publish a Machine Learning Request-Response service (RRS)
2. Deploy the service to production, and obtain the API Key and OData endpoint information.
3. Use the URL of the published web service to publish to [Azure Marketplace \(Data Market\)](#) (<https://publish.windowsazure.com/workspace/>)
4. Once submitted, your offer is reviewed and needs to be approved before your customers can start purchasing it. The publishing process can take a few business days.

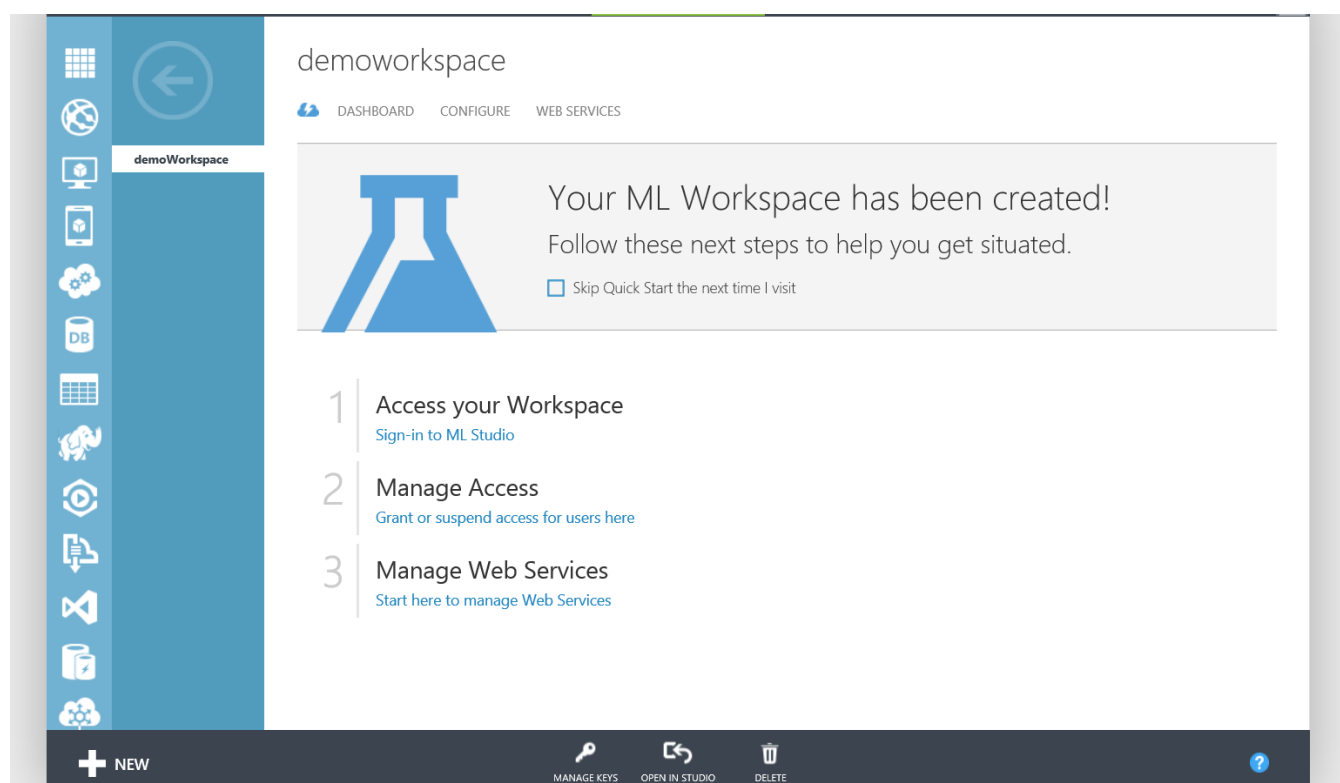
## Walk through

## Step 1: Create and publish a Machine Learning Request-Response service (RRS)

If you have not done this already, please take a look at this [walk through \(../machine-learning-walkthrough-5-publish-web-service/\)](http://localhost:3000/machine-learning-walkthrough-5-publish-web-service/).

## Step 2: Deploy the service to production, and obtain the API Key and OData endpoint information

1. From the [Azure management portal \(http://manage.windowsazure.com\)](http://manage.windowsazure.com), select the **MACHINE LEARNING** option from the left navigation bar, and select your workspace.
2. Click on the **WEB SERVICES** tab, and select the web service you would like to publish to the marketplace.



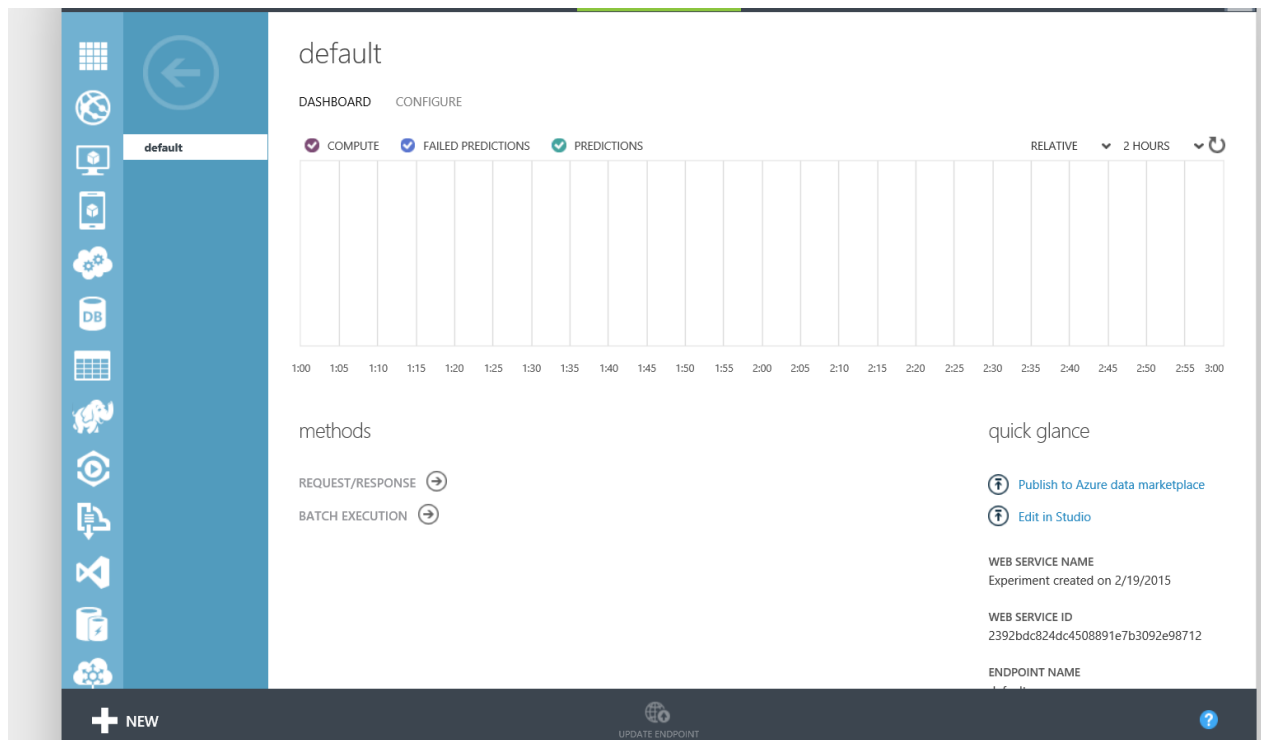
3. Select the endpoint you would like to have the marketplace consume. If you have not created any additional endpoints, you can select the **Default** endpoint.
4. Once you have clicked on the endpoint, you will be able to see the **API KEY**. You will need this piece of information later on in Step 3, so make a copy of it.

In this article:

Overview of the publishing process

Walk through

0 Comments



5. Click on the **REQUEST/RESPONSE** method, at this point we do not support publishing batch execution services to the marketplace. That will take you to the API help page for the Request/Response method.
6. Copy the **OData Endpoint Address**, you will need this information later on in Step 3.

## Request Response API Documentation for Experiment created on 2/19/2015

Updated: 02/19/2015 23:12

No description provided for this web service.

- [Previous version of this API](#)
- [Submit a request](#)
- [Input Parameters](#)
- [Output Parameters](#)
- [Sample Code](#)

### OData Endpoint Address

`https://ussouthcentral.services.azureml.net/odata/workspaces/290db9c376af4c2ca10030d161eafafa/services/520f9230300743ed98bfff834f62e8eb8`

### Request

Method	Request URI	HTTP Version
POST	<code>https://ussouthcentral.services.azureml.net/workspaces/290db9c376af4c2ca10030d161eafafa/services/520f9230300743ed98bfff834f62e8eb8/execute?api-version=2.0&amp;details=true</code>	HTTP/1.1

Note: You may omit the **details** parameter from the query string. This would cause **ColumnTypes** to be omitted from the output

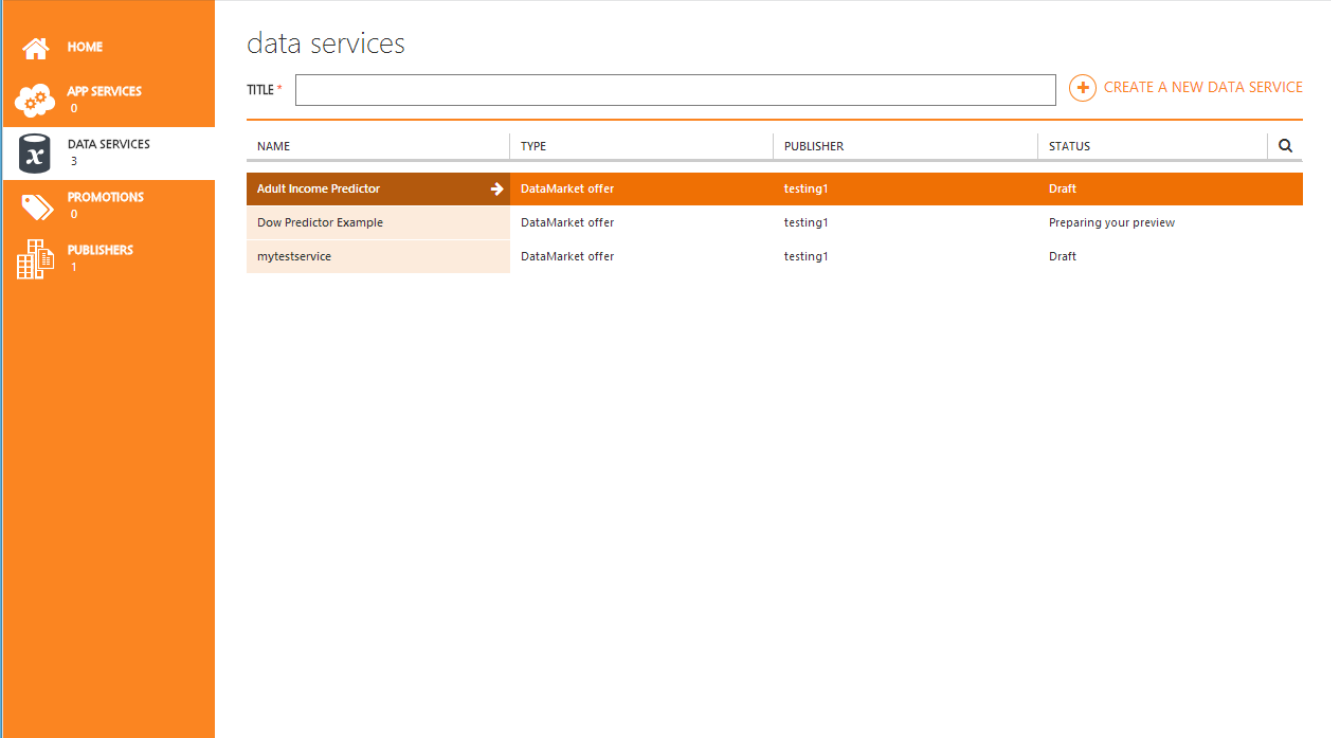
### Request Headers

deploy the service into production.

Step 3: Use the URL of the published web service to publish to Azure Marketplace (DataMarket)

1. Navigate to [Azure Marketplace \(Data Market\)](http://datamarket.azure.com/home) (<http://datamarket.azure.com/home>)
2. Click on the **Publish** link at the top of the page. This will take you to the [Microsoft Azure Publishing Portal](https://publish.windowsazure.com) (<https://publish.windowsazure.com>)

- Click on the **publishers** section to register as a publisher.
- When creating a new offer, select **Data Services**, then click **Create a New Data Service**.



NAME	TYPE	PUBLISHER	STATUS
Adult Income Predictor	DataMarket offer	testing1	Draft
Dow Predictor Example	DataMarket offer	testing1	Preparing your preview
mytestservice	DataMarket offer	testing1	Draft

- Under **Plans** provide information on your offering, including a pricing plan. Decide if you will offer a free or paid service. To get paid, provide payment information such as your bank and tax information.
- Under **Marketing** provide information about your offer, such as the title and description for your offer.
- Under **Pricing** you can set the price for your plans for specific countries, or let the system "autoprice" your offer.
- On the **Data Service** tab, click **Web Service** as the **Data Source**.

The screenshot shows the 'mytestservice' configuration page. The left sidebar contains navigation icons and links like 'Adult Income Pred...', 'Dow Predictor Exa...', and 'MyTestService'. The main content area is titled 'Data Service' and includes a 'NAMESPACE' field, a 'PUBLIC API URL' field with the value 'https://api.datamarket.azure.com/testing1/<ServiceNamespace>', and a 'Data Sources' section. Under 'Data Sources', 'Version 1' is selected. The 'CONNECTION INFO' section includes a 'Service Url' field, an 'Authentication Scheme' dropdown with options 'None', 'Basic', 'Query Parameter', and 'Header' (selected), and 'Header Name' and 'Header Value' fields. A 'TEST CONNECTION' button is located below these fields. The 'CSDL MAPPING' section shows 'No Mapping' and a checkbox for 'This service is OData'. The 'ANNOTATIONS' section has a 'Namespace' field.

9. Get the web service URL and API key from the Azure management portal, as explained in step 2 above.
10. In the Marketplace Data Service setup dialog box, paste the OData endpoint address into the **Service URL** text box.
11. For **Authentication**, choose **Header** as the **Authentication Scheme**.
  - Enter "Authorization" for the **Header Name**.
  - For the **Header Value**, enter "Bearer" (without the quotation marks), click the **Space** bar, and then paste the API key.
  - Select the **This Service is OData** check box.
  - Click **Test Connection** to test the connection.
12. Under **Categories**, ensure **Machine Learning** is selected.
13. When you are done entering all the metadata about your offer, click on **Publish**, and then **Push to Staging**. At this point, you will be notified of any remaining issues that you need to fix.
14. After you have ensured completion of all the outstanding issues, click on **Request approval to push to Production**. The publishing process can take a few business days.

