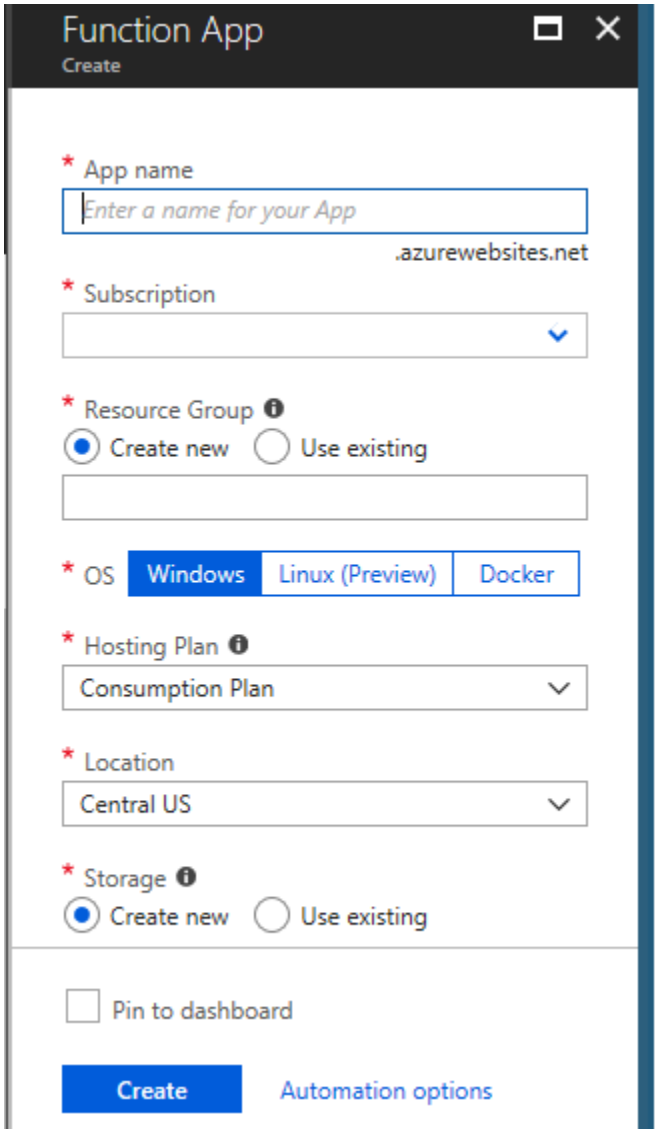
Using Service Hook to execute Azure Function

In this lab document we will create a service hook in Visual Studio Team Services which will automatically trigger an Azure Function

Pre-requisites: VSTS account, Azure account to create function

1. We need to create azure function so as to trigger it from service hook. Login to https://portal.azure.com . Click on create a resource and search for function app
2. Provide name, select subscription, provide resource group and other details and click on create



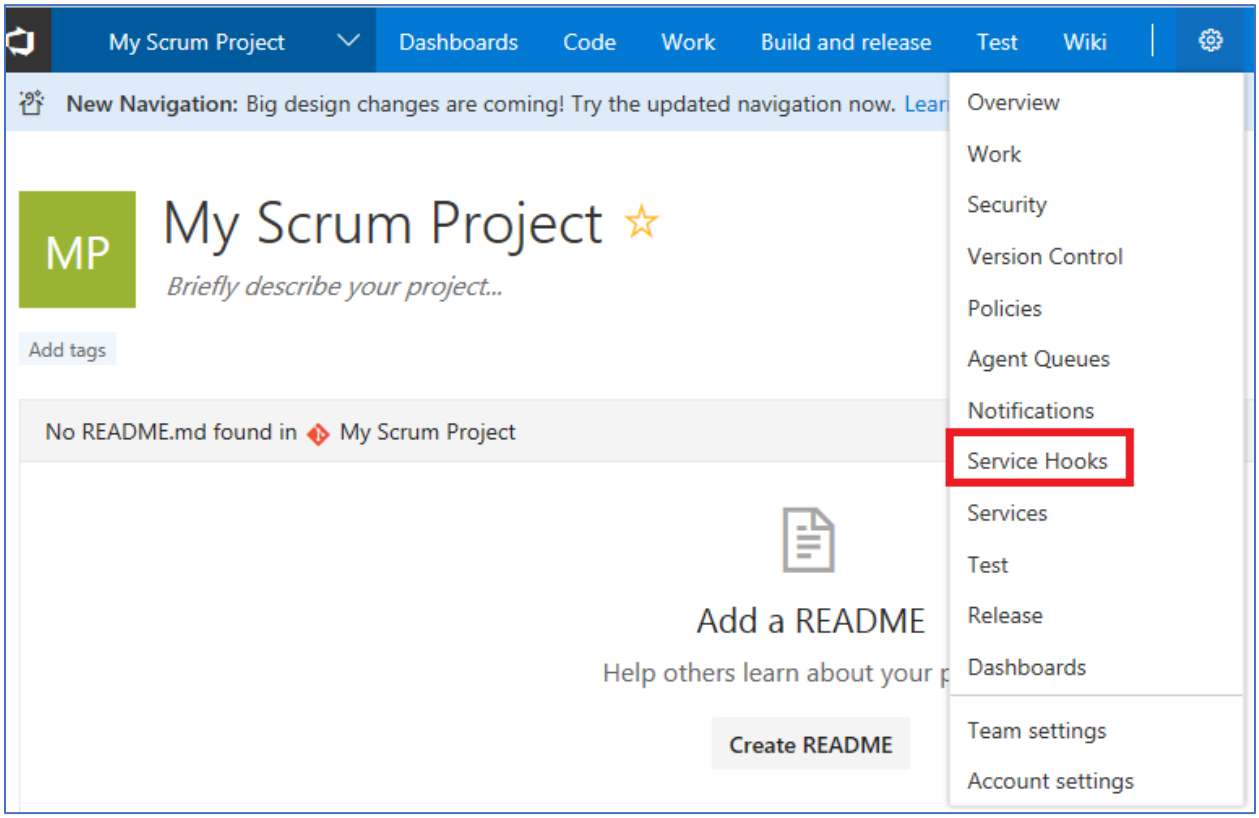
3. Once the function app is created you can add a function to it. We will create a service hook for web item creation trigger. So I have created following function with HTTP Trigger which will display the type of workitem created

```
using System.Net;
```

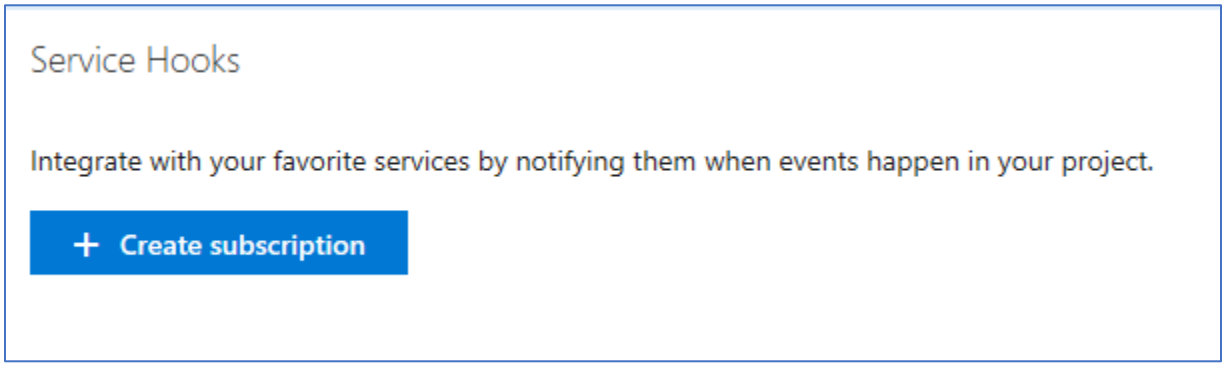
```
public static  string Run(HttpRequestMessage req, TraceWriter log)
{
     log.Info("C# HTTP trigger function processed a request.");
   HttpContent requestContent = req.Content;
   string jsonContent = requestContent.ReadAsStringAsync().Result;
   string resource = jsonContent.Substring(jsonContent.IndexOf("resource"));
   log.Info(resource);
   int ind = resource.IndexOf("System.WorkItemType") + 21;
   int ind2=resource.IndexOf("System.State");
   string workitem = resource.Substring(ind, ind2 -ind);
    string result = "A new " + workitem + " is created";
   log.Info(result);
    return result;
}
```

4. This function processes the json string and finds the type of workitem created. Now that the function is ready we can create a service hook

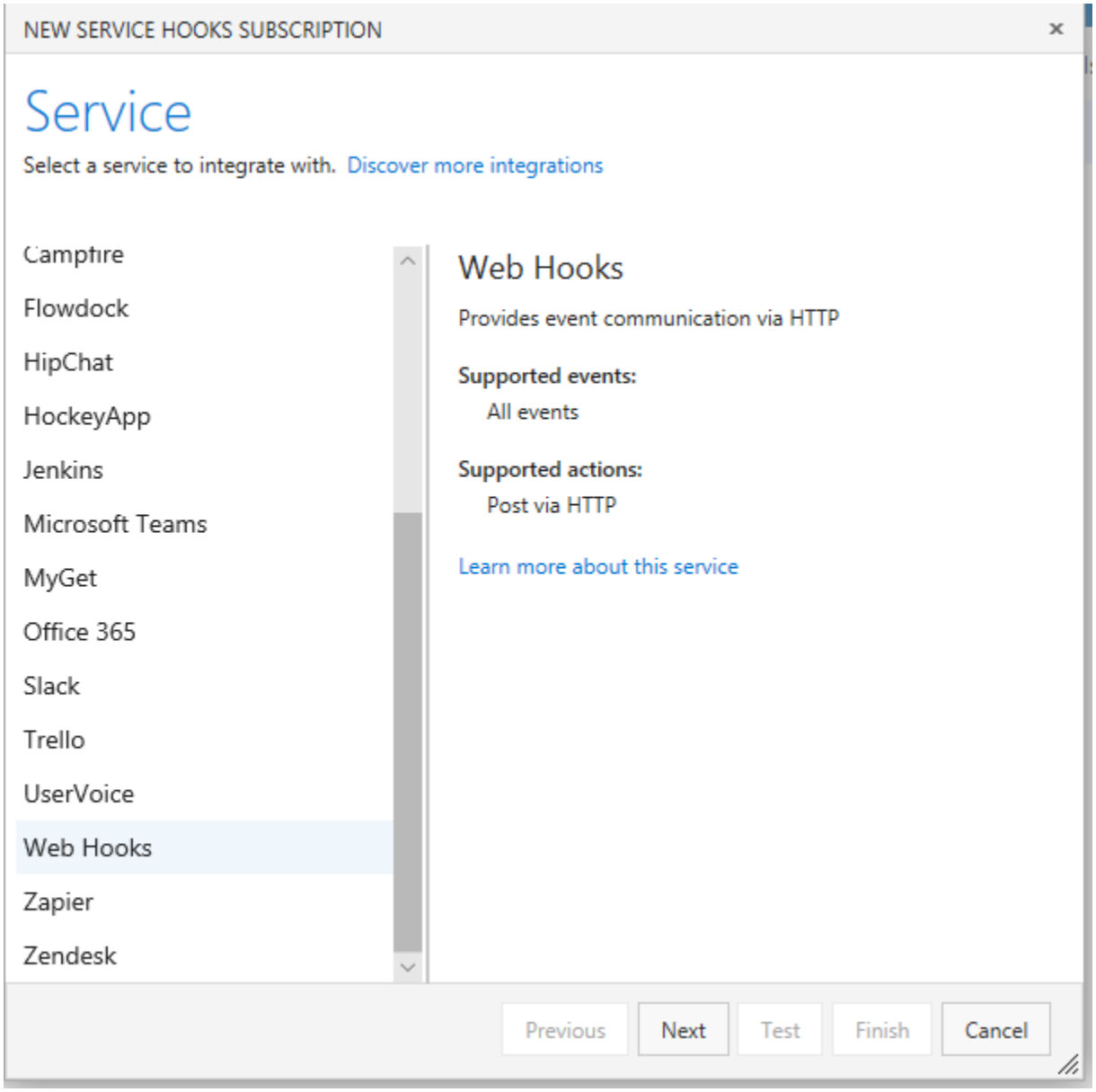
5. Select the Team Project for which you need to create Service Hook and select



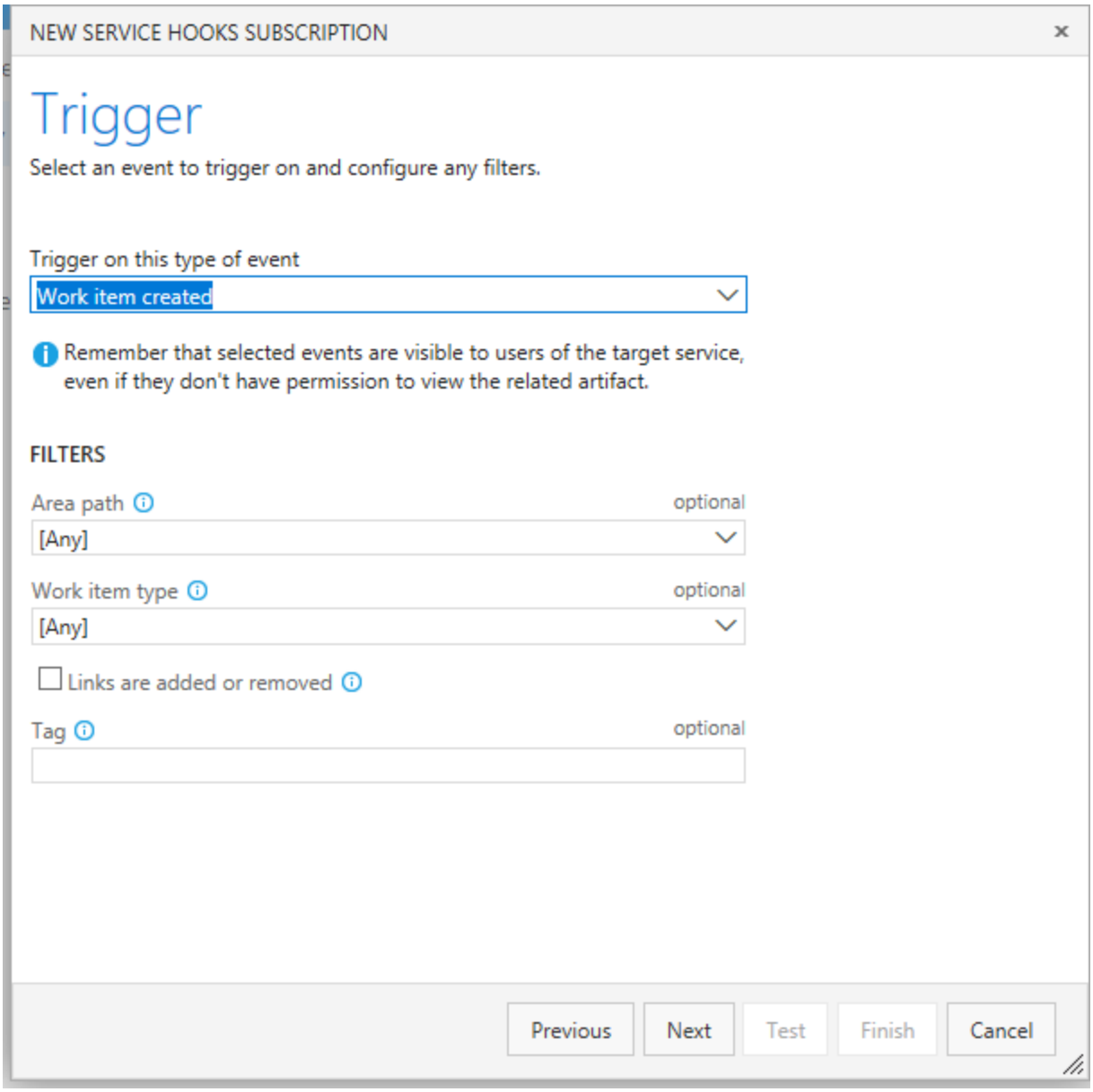
6. Click on Create Subscription



7. Select Web Hooks



8. Next step is to select the trigger for the function which we are going to select as work item created.



9. In this step we have to provide the url for the function which we can get as follows

10. Click on Finish for the function, now create any work item and ensure that the function gets executed.

```
2018-07-04T07:05:35.684 [Info] A new "Product Backlog Item"," is created
2018-07-04T07:05:35.684 [Info] Function completed (Success, Id=dd4375f4-5377-47ff-a6a6-2497d4a40cdc, Duration=167ms)
```