

# Github webhook to azure function

Webhooks offer a lightweight mechanism for your app to be notified by another service when something of interest happens. In this module, you'll learn how to trigger an Azure function with a **GitHub webhook** and parse the payload for insights.

## What is a webhook?

Webhooks are user-defined HTTP callbacks. They're triggered by some event, such as pushing code to a repo or updating a wiki page. When the event occurs, the source site makes an HTTP request to the URL configured for the webhook.

Azure Functions, we can define logic in a function that can be run when a webhook message is received.

### **CREATE A PROJECT REPOSITORY IN GITHUB:**

Open repository in GitHub and set web hook with **payload link as azure function url**

After that create a function in function app with http trigger

With following js code

```
module.exports = async function (context, req) {
    context.log('JavaScript HTTP trigger function processed a request.');
```

  

```
    const name = (req.query.name || (req.body && req.body.name));
    const responseMessage = name
        ? "Hello, " + name + ". This HTTP triggered function executed successfully."
        : "This HTTP triggered function executed successfully. Pass a name in the query string or in the request body for a personalized response.";
```

  

```
    if (req.body.pages[0].title){
        context.res = {
```

```
        body: "Page is " + req.body.pages[0].title + ", Action is " +  
req.body.pages[0].action + ", Event Type is " + req.headers['x-github-event']  
    };  
    }  
    else {  
        context.res = {  
            status: 400,  
            body: ("Invalid payload for Wiki event")  
        };  
    }  
}
```

On further we can add security for reference look into

<https://docs.microsoft.com/en-us/learn/modules/monitor-github-events-with-a-function-triggered-by-a-webhook/>