

Extend Copilots with Azure Functions & API Management

February 2024



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Prerequisites

Prerequisites

[Getting started with Azure Functions](#)

[Exercise - Create an HTTP trigger](#)

[Create a new Azure API Management instance](#)

[Signup for ChatGPT](#)

[Copilot Studio](#)

[Power Apps](#)





ChatGPT to the rescue!



New chat



ChatGPT 3.5 ▾



Today

Vacation Balance Function ...

Previous 7 Days

Web Automation Screenshot Error

Previous 30 Days

Convert Local Path URL

Update_case Date-Time Format

Power Automate: Create Array

Parse JSON, Extract Values

Correct Boolean Expression

Automated UK Finance Workflow

2023

Random Names Generated

Sample Data for Tickets

Generous Thanks for Donations

Generate 12 More Rows

Generate 5 more rows.

Generate 10 More Sample Data

Sample Data for Catering

Tech Team Chat Names

New chat

Upgraded plan
Get GPT-4, DALL-E, and more

TB

You

create an azure function to retrieve vacation details when an employeeid is provided using the data in the below json:

```
"annualLeaveEntitlement": {  
    "totalEntitlement": 28,  
    "entitlementUnit": "days",  
    "accrualRate": "2.33 days per month",  
    "accrualPeriod": "monthly",  
    "policyDetails": "Includes 8 public holidays"  
},  
"PRemainingAnnualLeave": {  
    "totalRemaining": 15,  
    "remainingUnit": "days",  
    "asOfDate": "2024-01-25"  

```



Message ChatGPT



Prompt

You: create an azure function to retrieve vacation details when an employeeid is provided using the below Json: {insert Json code here}

Tip: Sample Json code available [here](#)

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TB



ChatGPT

Sure, I'll create an Azure Function in C# that retrieves vacation details when an employee ID is provided. We'll assume that the employee ID is passed as a query parameter in the HTTP request.

Here's the code:

```
csharp Copy code

using System;
using System.IO;
using Microsoft.AspNetCore.Mvc;
using Microsoft.Azure.WebJobs;
using Microsoft.Azure.WebJobs.Extensions.Http;
using Microsoft.AspNetCore.Http;
using Microsoft.Extensions.Logging;
using Newtonsoft.Json;

public static class VacationDetailsFunction
{
    [FunctionName("GetVacationDetails")]
    public static IActionResult Run(
        [HttpTrigger(AuthorizationLevel.Function, "get", Route = "vacation/{employeeId}")]
        ILogger log, string employeeId)
    {
        log.LogInformation($"Retrieving vacation details for employee ID: {employeeId}");

        // Load the JSON data
        string jsonFilePath = Path.Combine(Environment.GetEnvironmentVariable("AppData"), "vacations.json");
        string jsonContent = File.ReadAllText(jsonFilePath);
        dynamic vacationData = JsonConvert.DeserializeObject(jsonContent);

        // Search for employee's scheduled vacations
        dynamic scheduledVacations = vacationData.scheduledVacations;
```

Message ChatGPT...



ChatGPT can make mistakes. Consider checking important information.



Prompt

You: amend the code and hardcode the vacation details from the data I provided earlier

Today

Vacation Balance Function ... 

Previous 7 Days

Web Automation Screenshot Error

Previous 30 Days

Convert Local Path URL

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Tech Team Chat Names

New chat

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Get GPT-4, DALL-E, and more

 TB

TB

You

amend the code and hardcode the vacation details from the data I provided earlier



ChatGPT

Certainly! Below is the modified code where the vacation details are hardcoded based on the provided JSON data:

csharp

 Copy code

```
using System;
using Microsoft.AspNetCore.Http;
using Microsoft.AspNetCore.Mvc;
using Microsoft.Azure.WebJobs;
using Microsoft.Azure.WebJobs.Extensions.Http;
using Microsoft.Extensions.Logging;
using Newtonsoft.Json;
using Newtonsoft.Json.Linq;

public static class VacationDetailsFunction
{
    [FunctionName("GetVacationDetails")]
    public static IActionResult Run(
        [HttpTrigger(AuthorizationLevel.Function, "get", Route = "vacationdetails/{employeeId}")]
        ILogger log, string employeeId)
    {
        log.LogInformation($"Retrieving vacation details for employee {employeeId}");

        // Hardcoded vacation details based on the provided JSON data
        string jsonData = @"
        {
            ""annualLeaveEntitlement"": {
                ""totalEntitlement"": 20,
                ""entitlementUnit"": "Days",
                ""entitlementStart"": "2023-01-01",
                ""entitlementEnd"": "2023-12-31"
            }
        }";
    }
}
```



Message ChatGPT...

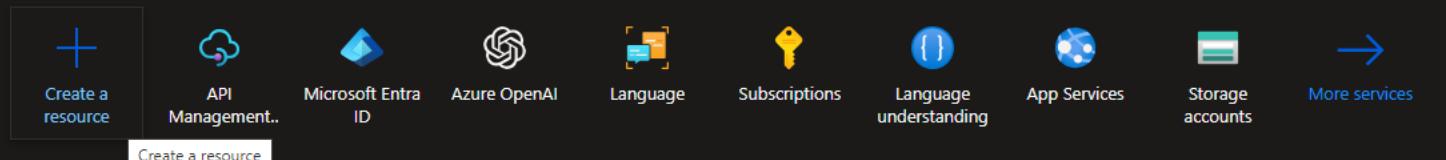


ChatGPT can make mistakes. Consider checking important information.

?

Let's build the
Azure Function! 

Azure services



Resources

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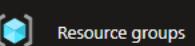
Name	Type	Last Viewed
 VacationInfoFunction	Function App	an hour ago
 VacationInfoFunction_group	Resource group	an hour ago
 tbailanguagerg	Translator	5 days ago
 tbAOAI	Azure OpenAI	6 days ago
 tbaiapim	API Management service	6 days ago
 accountlock	App Service	6 days ago
 tbaisearch	Search service	6 days ago
 tbRG	Resource group	2 months ago
 ME-D365DEMOTSC061409-tabrigg-1	Subscription	2 months ago

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Navigate



Subscriptions



Resource groups



All resources



Dashboard

Tools

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Microsoft Azure

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CONTOSO (D365DEMOTSC06140...)

https://portal.azure.com/#

Microsoft Azure

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Home > Create a resource >

Create Function App

Create a function app, which lets you group functions as a logical unit for easier management, deployment and sharing of resources. Functions lets you execute your code in a serverless environment without having to first create a VM or publish a web application.

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

Function App name * .azurewebsites.net

Do you want to deploy code or container image? * Code Container Image

Runtime stack *

Version *

Region *

Operating system

The Operating System has been recommended for you based on your selection of runtime stack.

Operating System * Linux Windows

Hosting

The plan you choose dictates how your app scales, what features are enabled, and how it is priced. [Learn more](#)

Hosting options and plans * Consumption (Serverless)
Optimized for serverless and event-driven workloads.

Functions Premium
Event based scaling and network isolation, ideal for workloads running continuously.

App service plan
Fully isolated and dedicated environment suitable for workloads that need large SKUs or need to co-locate Web Apps and Functions.

[Review + create](#) [< Previous](#) [Next : Storage >](#)

Microsoft Azure

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Home > Create a resource >

Create Function App

Basics Storage Networking Monitoring Deployment Tags [Review + create](#)

Summary

 Function App by Microsoft

Details

Subscription	[REDACTED] 9a21d85
Resource Group	[REDACTED]
Name	VacationDetailsFunction2
Runtime stack	.NET 6 (LTS)

Hosting

Storage

Storage account

Plan (New)

Hosting options and plans	Consumption (Serverless)
Name	ASP-rgtbai-8aa9
Operating System	Windows
Region	East US
SKU	Dynamic

Monitoring

Application Insights Not enabled

Deployment

Continuous deployment Not enabled / Set up after app creation

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

Microsoft Azure

Search resources, services, and docs (G+ /)

Deployment succeeded
Deployment 'Microsoft.Web.FunctionApp-Portal-2b4809cb-91cc' to resource group [REDACTED] was successful.

Go to resource | Pin to dashboard

Home > Microsoft.Web.FunctionApp-Portal-2b4809cb-91cc | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: Microsoft.Web.FunctionApp-Portal-2b4809cb-91cc Start time: 1/29/2024, 6:58:36 PM
Subscription: ME [REDACTED] Correlation ID: 7098e27d-d39a-4cc0-911a-af3ae5223b0e

Deployment details

Next steps

- Create a function. Recommended
- Manage deployments for your app. Recommended

Go to resource

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Functions ...

+ Create Refresh Delete

Filter by name...

Name ↑ Trigger ↑ Status ↑

No results.

Create function

Select development environment

Instructions will vary based on your development environment. [Learn more](#)

Development environ... Develop in portal

Select a template

Use a template to create a function. Triggers describe the type of events that invoke your functions. [Learn more](#)

Filter

Template	Description
HTTP trigger	A function that will be run whenever it receives an HTTP request, responding based on data in the body or query string
Timer trigger	A function that will be run on a specified schedule
Azure Queue Storage trigger	A function that will be run whenever a message is added to a specified Azure Storage queue
Azure Service Bus Queue trigger	A function that will be run whenever a message is added to a specified Service Bus queue
Azure Service Bus Topic trigger	A function that will be run whenever a message is added to the specified Service Bus topic
Azure Blob Storage trigger	A function that will be run whenever a blob is added to a specified container
Azure Event Hub trigger	A function that will be run whenever an event hub receives a new event

Template details

We need more information to create the HTTP trigger function. [Learn more](#)

New Function*

Authorization level*

Function
Function
Anonymous
Admin

Create Cancel

{fx} VacationDetailsFunction ⚙ ...

Function

Enable Disable Delete Get Function Url Refresh

Overview

JSON View

Developer

Resource group ([move](#)) : rg-tbaiApplication Insights : [VacationDetails](#)

Location : East US

Subscription ([move](#)) : ME-XXXXXXXXXXSubscription ID : aXXXXXXXXXXXXXXa21d85Function app : [VacationDetails](#)Tags ([edit](#)) : [Add tags](#)[See more](#)

Total Execution Count



Successful Execution Count



Failed Execution Count



Http 2xx



VacationDetailsFunction | Code + Test

Function

 Search « Save X Discard ⟳ Refresh Test/Run ↑ Upload Get function URL{f} Overview

VacationInfoFunction \ VacationDetailsFunction \ run.csx

Developer

Code + TestIntegrationMonitorFunction Keys

```
1 #r "Newtonsoft.Json"
2
3 using System.Net;
4 using Microsoft.AspNetCore.Mvc;
5 using Microsoft.Extensions.Primitives;
6 using Newtonsoft.Json;
7
8 public static async Task<IActionResult> Run(HttpContext req, ILogger log)
9 {
10     log.LogInformation("C# HTTP trigger function processed a request.");
11
12     string name = req.Query["name"];
13
14     string requestBody = await new StreamReader(req.Body).ReadToEndAsync();
15     dynamic data = JsonConvert.DeserializeObject(requestBody);
16     name = name ?? data?.name;
17
18     string responseMessage = string.IsNullOrEmpty(name)
19         ? "This HTTP triggered function executed successfully. Pass a name in the query string or in the request body for a personalized response."
20         : $"Hello, {name}. This HTTP triggered function executed successfully.";
21
22     return new OkObjectResult(responseMessage);
23 }
```

LogsApp Insights Logs Log Level Stop Copy Clear Maximize Leave Feedback

Connected! You are now viewing logs of Function runs in the current Code + Test panel. To see all the logs for this Function, please go to 'Monitor' from the Function menu.

Code

Replace the code with Json code created earlier by ChatGPT.

Tip: Sample Azure function code available [here](#)



Dashboard > VacationInfoFunction

VacationInfoFunction | Code + Test

Function

 Search

Save



Refresh

Test/Run



Get function URL

Overview

VacationInfoFunction \ VacationInfoFunction \ run.csx



Developer

Code + Test

Integration

Monitor

Function Keys

```
1  #r "Newtonsoft.Json"
2
3  using System;
4  using System.Net;
5  using Microsoft.Extensions.Primitives;
6  using Microsoft.AspNetCore.Http;
7  using Microsoft.AspNetCore.Mvc;
8  using Microsoft.Azure.WebJobs;
9  using Microsoft.Extensions.Logging;
10 using Newtonsoft.Json;
11 using Newtonsoft.Json.Linq;
12
13
14 public static async Task<IActionResult> Run(HttpContext req, ILogger log)
15 {
16     log.LogInformation("C# HTTP trigger function processed a request.");
17
18     //string name = req.Query["name"];
19     string employeeId = req.Query["employeeId"];
20
21     string requestBody = await new StreamReader(req.Body).ReadToEndAsync();
22     dynamic data = JsonConvert.DeserializeObject(requestBody);
23     //name = name ?? data?.name;
24     employeeId = employeeId ?? data?.employeeId;
25
26     log.LogInformation($"Retrieving vacation details for employee ID: {employeeId}");
27
28     string responseMessage = string.IsNullOrEmpty(employeeId)
29     ? "This HTTP triggered function executed successfully. Pass an employeeId in the query string or in the request body for a personalized response."
30     : $"Hello, {employeeId}. This HTTP triggered function executed successfully.";
31
32     //Hardcoded vacation details based on the provided JSON data
33     string jsonData = @"
34     {
35         ""annualLeaveEntitlement"": {
36             ""totalEntitlement"": 28,
37             ""entitlementUnit"": ""days"",
38             ""accrualRate"": ""2.33 days per month"",
39             ""accrualPeriod"": ""monthly"",
40             ""policyDetails"": ""Includes 8 public holidays""
41         },
42         ""RemainingAnnualLeave"": {
43             ""totalRemaining"": 15
44         }
45     }
46 
```

Logs



Dashboard > VacationInfoFunction

VacationInfoFunction | Code + Test

Function

Search



Save



Refresh



Test/Run



Upload



Get function URL

Overview

VacationInfoFunction \ VacationInfoFunction \ run.csx



Developer

Code + Test

Integration

Monitor

Function Keys

```
1  #r "Newtonsoft.Json"
2
3  using System;
4  using System.Net;
5  using Microsoft.Extensions.Primitives;
6  using Microsoft.AspNetCore.Http;
7  using Microsoft.AspNetCore.Mvc;
8  using Microsoft.Azure.WebJobs;
9  using Microsoft.Extensions.Logging;
10 using Newtonsoft.Json;
11 using Newtonsoft.Json.Linq;
12
13
14 public static async Task<IActionResult> Run(HttpContext req, ILogger log)
15 {
16     log.LogInformation("C# HTTP trigger function processed a request.");
17
18     string name = req.Query["name"];
19     string employeeId = req.Query["employeeId"];
20
21     string requestBody = await new StreamReader(req.Body).ReadToEndAsync();
22     dynamic data = JsonConvert.DeserializeObject(requestBody);
23     //name ?? data?.name;
24     employeeId = employeeId ?? data?.employeeId;
25
26     log.LogInformation($"Retrieving vacation details for employee ID: {employeeId}");
27
28     string responseMessage = string.IsNullOrEmpty(employeeId)
29     ? "This HTTP triggered function executed successfully. Pass an employeeId in the query string or in the request body"
30     : $"Hello, {employeeId}. This HTTP triggered function executed successfully.";
31
32     //Hardcoded vacation details based on the provided JSON data
33     string jsonData = @"
34     {
35         ""annualLeaveEntitlement"": {
36             ""totalEntitlement"": 28,
37             ""entitlementUnit"": ""days"",
38             ""accrualRate"": ""2.33 days per month"",
39             ""accrualPeriod"": ""monthly"",
40             ""policyDetails"": ""Includes 8 public holidays""
41         },
42         ""RemainingAnnualLeave"": {
43             ""totalRemaining"": 15
44         }
45     }
46 ";
47
48     return new JsonResult(data);
49 }
```

Logs

Input

Output

Provide parameters to test the HTTP request. Results can be found in the Output tab.

HTTP method

POST

Key

master (Host key)

Query

+ Add parameter

Headers

+ Add header

Body

[{"employeeId": "1001"}]

Run

Close

Dashboard > VacationInfoFunction

VacationInfoFunction | Code + Test

Function

 Search  Save  Discard  Refresh  Test/Run  Upload  Get function URL

Overview

VacationInfoFunction \ VacationInfoFunction \ run.csx

Developer

Code + Test

Integration

Monitor

Function Keys

```
1  #r "Newtonsoft.Json"
2
3  using System;
4  using System.Net;
5  using Microsoft.Extensions.Primitives;
6  using Microsoft.AspNetCore.Http;
7  using Microsoft.AspNetCore.Mvc;
8  using Microsoft.Azure.WebJobs;
9  using Microsoft.Extensions.Logging;
10 using Newtonsoft.Json;
11 using Newtonsoft.Json.Linq;
12
13
14 public static async Task<IActionResult> Run(HttpContext req, ILogger log)
15 {
16     log.LogInformation("C# HTTP trigger function processed a request.");
17
18     //string name = req.Query["name"];
19     string employeeId = req.Query["employeeId"];
20
21     string requestBody = await new StreamReader(req.Body).ReadToEndAsync();
22     dynamic data = JsonConvert.DeserializeObject(requestBody);
23     //name = name ?? data?.name;
24     employeeId = employeeId ?? data?.employeeId;
25
26     log.LogInformation($"Retrieving vacation details for employee ID: {employeeId}");
27
28     string responseMessage = string.IsNullOrEmpty(employeeId)
29     ? $"This HTTP triggered function executed successfully. Pass an employeeId in the query string or in the request body for a personalized response." :
30     $"Hello, {employeeId}. This HTTP triggered function executed successfully.";
31
32     //Hardcoded vacation details based on the provided JSON data
33     string jsonData = @"
34         [
35             {
36                 "vacationId": "vac001",
37                 "employeeId": "1001",
38                 "startDate": "2024-01-29",
39                 "endDate": "2024-01-30",
40                 "duration": 2,
41                 "status": "approved"
42             },
43             {
44                 "vacationId": "vac002",
45                 "employeeId": "1001",
46                 "startDate": "2024-02-15",
47                 "endDate": "2024-02-19",
48                 "duration": 5,
49                 "status": "pending approval"
50             }
51         ]"
```

Logs

App Insights Logs

Log Level

Stop

Copy

Clear

Maximize

Leave Feedback

Connected! You are now viewing logs of Function runs in the current Code + Test panel. To see all the logs for this Function, please go to 'Monitor' from the Function menu.

```
2024-01-29T18:30:52Z [Information] Executing 'Functions.VacationInfoFunction' (Reason='This function was programmatically called via the host APIs.', Id=54a52330-2625-4298-aed6-2c4e2886fdc8)
2024-01-29T18:30:52Z [Information] C# HTTP trigger function processed a request.
2024-01-29T18:30:52Z [Information] Executed 'Functions.VacationInfoFunction' (Succeeded, Id=54a52330-2625-4298-aed6-2c4e2886fdc8, Duration=90ms)
2024-01-29T18:31:41Z [Information] Executing 'Functions.VacationInfoFunction' (Reason='This function was programmatically called via the host APIs.', Id=dfe9dac1-69a9-45e0-81cb-cad3f96e5acc)
```

Input

Output

HTTP response code

200 OK

HTTP response content

```
[{"vacationId": "vac001", "employeeId": "1001", "startDate": "2024-01-29", "endDate": "2024-01-30", "duration": 2, "status": "approved"}, {"vacationId": "vac002", "employeeId": "1001", "startDate": "2024-02-15", "endDate": "2024-02-19", "duration": 5, "status": "pending approval"}]
```

Run

Close

VacationDetailsFunction | Code + Test

Function

Search

<

Save

Discard

Refresh

Test/Run

Upload

Get function URL

Overview

VacationDetails \ VacationDetailsFunction \ run.csx

Developer

Code + Test

Integration

Monitor

Function Keys

```
36     "totalEntitlement": 28,
37     "entitlementUnit": "days",
38     "accrualRate": "2.33 days per month",
39     "accrualPeriod": "monthly",
40     "policyDetails": "Includes 8 public holidays"
41   },
42   "RemainingAnnualLeave": {
43     "totalRemaining": 15,
44     "remainingUnit": "days",
45     "asOfDate": "2024-01-25"
46   },
47   "scheduledVacations": [
48     {
49       "vacationId": "vac001",
50       "employeeId": "1001",
51       "startDate": "2024-01-29",
52       "endDate": "2024-01-30",
53       "duration": 2,
54       "status": "approved"
55     },
56     {
57       "vacationId": "vac002",
58       "employeeId": "1001",
59       "startDate": "2024-02-15",
60       "endDate": "2024-02-19",
61       "duration": 5,
62       "status": "pending approval"
63     }
64   ];
65 };
66 // Parse the JSON data
67 dynamic vacationData = JsonConvert.DeserializeObject(jsonData);
68 
```

Logs

App Insights Logs

Log Level

Stop

Copy

Clear

Maximize

Leave Feedback

Connected! You are now viewing logs of Function runs in the current Code + Test panel. To see all the logs for this Function, please go to 'Monitor' from the Function menu.

```
2024-01-29T19:06:52Z [Information] Executing 'Functions.VacationDetailsFunction' (Reason='This function was programmatically called via the host APIs.')
2024-01-29T19:06:52Z [Information] C# HTTP trigger function processed a request.
2024-01-29T19:06:52Z [Information] Retrieving vacation details for employee ID: 1001
2024-01-29T19:06:52Z [Information] Executed 'Functions.VacationDetailsFunction' (Succeeded, Id=e21e3448-f4ba-4afd-8fa0-bc1b076ff4ac, Duration=167ms)
```

Get function URL

Key

default

URL

https://vacationdetails.azurewebsites.net...

HTTP response code

200 OK

HTTP response content

```
[
  {
    "vacationId": "vac001",
    "employeeId": "1001",
    "startDate": "2024-01-29",
    "endDate": "2024-01-30",
    "duration": 2,
    "status": "approved"
  },
  {
    "vacationId": "vac002",
    "employeeId": "1001",
    "startDate": "2024-02-15",
    "endDate": "2024-02-19",
    "duration": 5,
    "status": "pending approval"
  }
]
```

Run

Close

VacationDetailsFunction | Code + Test

Function

Search Save Discard Refresh Test/Run Upload Get function URL

Overview

VacationDetails \ VacationDetailsFunction \ run.csx

Developer

Code + Test

Integration

Monitor

Function Keys

```
57     "vacationId": "vac002",
58     "employeeId": "1001",
59     "startDate": "2024-02-15",
60     "endDate": "2024-02-19",
61     "duration": 5,
62     "status": "pending approval"
63   }
64   ]
65 };
66
67 // Parse the JSON data
68 dynamic vacationData = JsonConvert.DeserializeObject(jsonData);
69
70 // Search for employee's scheduled vacations
71 dynamic scheduledVacations = vacationData.scheduledVacations;
72 dynamic employeeVacations = new JArray();
73 foreach (var vacation in scheduledVacations)
74 {
75   if (vacation.employeeId == employeeId)
76   {
77     employeeVacations.Add(vacation);
78   }
79 }
80
81 // Return the employee's vacation details
82 //return new OkObjectResult(employeeVacations);
83 return new OkObjectResult(vacationData);
84
85 //Return the employee's annualLeaveEntitlement
86
87 //Return the employee's RemainingAnnualLeave
88
89 //return new OkObjectResult(responseMessage);
```

Logs

App Insights Logs

Log Level

Stop

Copy

Clear

Maximize

Leave Feedback

```
2024-01-29T22:45:43Z [Information] Retrieving vacation details for employee ID: 1001
2024-01-29T22:45:43Z [Information] Executed 'Functions.VacationDetailsFunction' (Succeeded, Id=d77a39f7-37c5-420d-b193-40a2b9b71d99, Duration=10ms)
2024-01-29T22:51:20Z [Information] Executing 'Functions.VacationDetailsFunction' (Reason='This function was programmatically called via the host APIs.', Id=074a2fb8-e03c-4f4d-b938-3b5766b66d18)
2024-01-29T22:51:20Z [Information] C# HTTP trigger function processed a request.
2024-01-29T22:51:20Z [Information] Retrieving vacation details for employee ID: 1001
2024-01-29T22:51:20Z [Information] Executed 'Functions.VacationDetailsFunction' (Succeeded, Id=074a2fb8-e03c-4f4d-b938-3b5766b66d18, Duration=135ms)
```

Input Output

HTTP response code

200 OK

HTTP response content

```
{
  "annualLeaveEntitlement": {
    "totalEntitlement": 28,
    "entitlementUnit": "days",
    "accrualRate": "2.33 days per month",
    "accrualPeriod": "monthly",
    "policyDetails": "Includes 8 public holidays"
  },
  "RemainingAnnualLeave": {
    "totalRemaining": 15,
    "remainingUnit": "days",
    "asOfDate": "2024-01-25"
  },
  "scheduledVacations": [
    {
      "vacationId": "vac001",
      "employeeId": "1001",
      "startDate": "2024-01-29",
      "endDate": "2024-01-30",
      "duration": 2,
      "status": "approved"
    },
    {
      "vacationId": "vac002",
      "employeeId": "1001",
      "startDate": "2024-02-15",
      "endDate": "2024-02-19",
      "duration": 5,
      "status": "pending approval"
    }
  ]
}
```

Run

Close

Now to Azure API
Management!





Home > Recent > [redacted] >

tbaiapim

API Management service

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JSON View

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<https://portal.azure.com/#>

Essentials

Resource group ([move](#)) : rg-tbai

Status : Online

Location : West US

Subscription ([move](#)) : ME-[redacted]

Subscription ID : [redacted] a21d85

Tags ([edit](#)) : [Add tags](#)Developer portal URL : [https://\[redacted\]](https://[redacted])Gateway URL : [http://\[redacted\]](http://[redacted])

Tier : Developer (No SLA)

Virtual IP (VIP) addresses : public: [redacted]

Platform version : stv2.1

Properties

[Get started](#) [Learn more](#) [Monitor](#) [Recommendations \(0\)](#)

Pricing tier

Pricing tier : Developer

SLA : No ⓘ

Scale : 1 unit

Delegation

Delegation : Disabled

External cache

External cache : None

Identities

Identities : Username and password

Virtual network

Virtual network : None

APIs

Total APIs : 2

Current APIs : 2

Revisions : 0

Custom domains

Gateway URL : [https://\[redacted\]](https://[redacted])[View all](#)Management URL : [https://\[redacted\].pi.net](https://[redacted].pi.net)[View all](#)

Subscriptions

Subscriptions : 3

Users

Users : 1

Developer portal

URL : [https://\[redacted\]](https://[redacted])[Administrative interface](#) [Open](#)

Last published

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Define a new API

- + Add API
- All APIs Echo API ...
- VacationDetails ...

HTTP Manually define an HTTP API

WebSocket Streaming, full-duplex communication with a WebSocket server

GraphQL Access the full capabilities of your data from a single endpoint.

gRPC High performance, universal Remote Procedure Call framework

Create from definition

- OpenAPI Standard, language-agnostic interface to REST APIs
- WADL Standard XML representation of your RESTful API
- WSDL Standard XML representation of your SOAP API
- OData Standard XML representation of your OData API

Create from Azure resource

- Logic App Scalable hybrid integrations and workflows.
- App Service API hosted on App Service.
- Function App Serverless, event driven experience on App Service.
- Container App Serverless containers for microservices.

<https://apimanagement.hosting.portal.azure.net/apimanagement/Content/1.817.0.3/apimap//apimap-apis/index.html?clientOptimizations=undefined&l=en.en-us&trustedAuthority=https%3A%2F%2Fportal.azure.com&shellVersion=undefined#>

Home > Recent > [REDACTED] > tbaipim | APIs >

Import Azure Functions

API Management service

 Don't see an Azure Function? Azure API Management requires Azure Functions to use the HTTP trigger and Function or Anonymous authorization level setting.

Configure required settings *

Function App

Search to filter items...

Name

No results

HTTP methods

Select Azure Function App

API Management service

Search to filter items...

Name	Resource group	Location
VacationDetails	[REDACTED]	East US

Select

Select

tbaipim | APIs

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REVISION 1 CREATED Jan 29, 2024, 7:30:08 PM

Design Settings Test Revisions (1) Change log

Search APIs

Filter by tags

 Group by tag

Add API

All APIs

Echo API

...

VacationDetails

...

Search operations

Filter by tags

 Group by tag

VacationDetails > VacationDetailsFunction > Console

VacationDetailsFunction

Query parameters

+ Add parameter

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Headers

+ Add header

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Apply product scope

No products

Request URL

[REDACTED]t/VacationDetails/VacationDetailsFunction

HTTP request

```
GET [REDACTED]t/VacationDetails/VacationDetailsFunction HTTP/1.1  
Host: [REDACTED]
```



Send

Trace



Bypass CORS proxy



Timeout (in second) 60

Microsoft Azure

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admin@D365DEMOTSC...
CONTOSO (D365DEMOTSC06140...)

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REVISION 1 CREATED Jan 29, 2024, 7:30:08 PM

Design Settings Test Revisions (1) Change log

Search operations Filter by tags Group by tag

Add API

All APIs

Echo API ...

VacationDetails ...

POST VacationDetailsFu... ...

GET VacationDetailsFu... ...

VacationDetails > VacationDetailsFunction > Console

VacationDetailsFunction

Query parameters

+ Add parameter

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Headers

+ Add header

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Request body

Raw Binary

1

Apply product scope

No products

Request URL

/VacationDetails/VacationDetailsFunction

HTTP request

Send Trace Bypass CORS proxy Timeout (in second) 60

Microsoft Azure

Search resources, services, and docs (G+)

admin@D365DEMOTSC...
CONTOSO (D365DEMOTSC06140...)

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REVISION 1 CREATED Jan 29, 2024, 7:30:08 PM

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Search APIs Filter by tags Group by tag Add API

All APIs Echo API ... VacationDetails ...

POST VacationDetailsFu... ... GET VacationDetailsFu... ...

VacationDetails > VacationDetailsFunction > Console

VacationDetailsFunction

Query parameters

+ Add parameter

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Headers

+ Add header

NAME	VALUE	TYPE	DESCRIPTION
------	-------	------	-------------

Request body

Raw Binary

```
1 {"employeeId":"1001"}|
```

Apply product scope

No products

Request URL

[REDACTED]t/VacationDetails/VacationDetailsFunction

HTTP request

Send Trace Bypass CORS proxy Timeout (in seconds) 60

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Search operations

Filter by tags

Group by tag

+ Add API

All APIs

Echo API

...

VacationDetails

...

VacationDetails > VacationDetailsFunction > Console

[REDACTED]t/VacationDetails/VacationDetailsFunction

HTTP request

POST [REDACTED]t/VacationDetails/VacationDetailsFunction HTTP/1.1

Host: [REDACTED]

{"employeeId": "1001"}



HTTP response

Message Trace

Generate definition

HTTP/1.1 200 OK

content-encoding: gzip
content-type: application/json; charset=utf-8
date: Mon, 29 Jan 2024 19:41:18 GMT
request-context: appId=cid-v1:99d69041-0611-4c06-ac67-32bceea6d92b
transfer-encoding: chunked
vary: Accept-Encoding,Origin

```
[{"vacationId": "vac001", "employeeId": "1001", "startDate": "2024-01-29", "endDate": "2024-01-30", "duration": 2, "status": "approved"}, {"vacationId": "vac002", "employeeId": "1001", "startDate": "2024-02-15", "endDate": "2024-02-19", "duration": 5, "status": "pending approval"}]
```

Send

Trace



Bypass CORS proxy



Timeout (in second)



60

Publish Custom Connector to Power Platform!



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Amplify your APIs with the Power Platform

Leverage your APIs by connecting them with interactive applications and automated workflows in just a few clicks. [Learn more](#)

[Create a connector](#)[Update a connector](#)

Power Platform

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[Build an app](#)

Power Automate

Construct automated workflows and approval processes for anyone in your organization in minutes across hundreds of popular apps and services with Power Automate. [Learn more](#)

[Automate your workflows](#)

Explore free training from Microsoft

Learn how to work together to meet challenges effectively with Microsoft Power Platform by analyzing data, building apps, automating processes, and creating virtual agents.

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Create a connector

API

Select an API to connect to the Power Platform.

API *

VacationDetails

Power Platform

Select a Power Platform environment to publish your API to and create a name for your connector to display in the Power Platform.

Power Platform Environment * ⓘ

CoPilot Experience [REDACTED]

API display name * ⓘ

VacationDetails

Create subscription key connection parameter

Create

Back

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tbaipim | Subscriptions

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Add subscription



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Alerts

API consumers can subscribe to Products to start using your APIs. [Learn more](#)

Search

State

All

Pending approval

Scope

All

Display name	Primary key	Secondary key	Scope	State	Owner
	[REDACTED]	[REDACTED]	Product: Starter	Active	Administrator
	[REDACTED]	[REDACTED]	Product: Unlimited	Active	Administrator
Built-in all-access subscription	[REDACTED]	[REDACTED]	Service	Active	

Subscription

Name

65af8a6091ded0048070001

Display name

Sub Key

Allow tracing

Scope

API

API

VacationDetails

Product

User

Administrator (admin@D365DEMO...)

Send notification for

For developer portal

Save

Home > Recent > tbaipim

tbaipim | Subscriptions

API Management service

Add subscription Columns Refresh

API consumers can subscribe to Products to start using your APIs. [Learn more](#)

State

All

Pending approval

Scope

All

Display name	Primary key	Secondary key	Scope	State	Owner	Allow tracing
--------------	-------------	---------------	-------	-------	-------	---------------

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Subscription created

Subscription created for scope 'VacationDetails'

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tbaipim | Subscriptions

API Management service



Search



Add subscription Columns Refresh



APIs



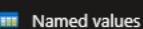
Workspaces (preview)



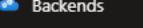
APIs



Products



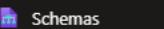
Subscriptions



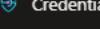
Named values



Backends



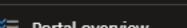
Policy fragments



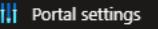
API Tags



Schemas

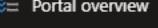


Credential manager

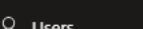


Power Platform

Developer portal



Portal overview



Portal settings



Users



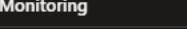
Groups



Identities

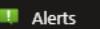


OAuth 2.0 + OpenID Connect

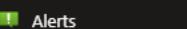


Issues (deprecated)

Monitoring



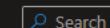
Analytics



Application Insights



Alerts

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Search

State

All

Pending approval

Scope

All

Display name	Primary key	Secondary key	Scope	State	Owner	Allow tracing	⋮
Sub Key	API: VacationDetails	Active	Administrator	X	...
	Product: Unlimited	Active	Administrator	X	...
Built-in all-access subscription	Service	Active		X	...

Configure Custom Connector



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Power Platform

Custom connectors

+ New custom connector

Icon	Name	Actions
	AOAI System Administrator	   
	Azure OpenAI System Administrator	   
	Graph API Cameron	   
	Mock API for Account Cameron	   
	VacationDetails Cameron	   

Connector Name **VacationDetails**

1. General > 2. Security > 3. Definition > 4. AI Plugin (preview) > 5. Code > 6. Test

 Swagger editor Update connector Close

General information

Add an icon and short description to your custom connector. Your host and base URL will be automatically generated from the swagger file.

General information

 Upload[Upload connector icon](#)

Supported file formats are PNG and JPG. (< 1MB)

Icon background color

#007ee5

Description

Import from "VacationDetails" Function App

 Connect via on-premises data gateway [Learn more](#)

Scheme *

 HTTPS HTTP

Host *

Base URL

/VacationDetails[Security →](#)

Connector Name **VacationDetails**

1. General > 2. Security > 3. Definition > 4. AI Plugin (preview) > 5. Code > 6. Test

 Swagger editor Update connector Close**Test operation**

Test a specified operation of this custom connector using the selected connection. You must update the custom connector in order to test recent changes.

Connections

Selected connection *

None

 New connection**Operations (2)**

These are the operations defined by your custom connector. This includes actions and triggers.

**1 get-vacationdetailsfunction****2 post-vacationdetailsfunction****get-vacationdetailsfunction** Test operation Code

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Connector Name

1. General > 2. Security

Test operations

Provides a connection to your VacationDetails data.

Subscription key *

.....

Cancel Create

VacationDetails

Microsoft

Provides a connection to your VacationDetails data.

Subscription key *

.....

Cancel Create

Operations (2)

These are the operations defined by your custom connector. This includes actions and triggers.

get-vacationdetailsfunction

Test operation

Code

1 get-vacationdetailsfunction

2 post-vacationdetailsfunction

Ask a virtual agent

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vacation

New connection

Connections in CoPilot Experience

Canvas

Name	Modified	Status
VacationDetails	... 22 sec ago	Connected

VacationDetails

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Connector Name **VacationDetails**

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 Swagger editor Update connector Close**Test operation**

Test a specified operation of this custom connector using the selected connection. You must update the custom connector in order to test recent changes.

Connections

Selected connection *

VacationDetails (Created at 2024-01-29T20:02:26.7068744Z)

[+ New connection](#)**Operations (2)**

These are the operations defined by your custom connector. This includes actions and triggers.

 1 [get-vacationdetailsfunction](#) 2 [post-vacationdetailsfunction](#)**get-vacationdetailsfunction**[Test operation](#)[Code](#)

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perform. Actions can be used to read, create, update or delete resources in the underlying connector.

- i 1 get-vacationdetailsfunction ...
- i 2 post-vacationdetailsfunction ...
- + New action

References (0)

References are reusable parameters used by both actions and triggers.

Policies (0)

Policies are used to change the behavior of actions and triggers through configuration. You can use one or more policies from a set of predefined templates.

- + New policy

Swagger editor Update connection

VacationDetailsFunction

Description [Learn more](#)

Operation ID *

This is the unique string used to identify the operation.

post-vacationdetailsfunction

Visibility [Learn more](#)

- none advanced internal important

Request

It defines the pre-requirements needed in order to make a request. Describes a single operation. A unique parameter is defined by a combination of a name and location.

Request

+ Import

Verb *

The verb describes the operations available on a single path.

POST

URL *

This is the request URL.

/VacationDetails/VacationDetailsFunction

Path

Path is used together with Path Templating, where the parameter value is actually part of the operation URL.

Query

Query parameters are appended to the URL. For example, in /items?id=####, the query parameter

Headers

Import from sample

Verb *

- GET DELETE POST PUT HEAD OPTIONS

PATCH

URL *

/VacationDetails/VacationDetailsFunction

This is the request URL.

Headers

Headers separated by a new line, e.g.:
Content-Type application/json
Accept application/json

These are custom headers that are part of the request.

Body

{"employeeId": "1001"}

The body is the payload that's appended to the HTTP request. There can only be one body parameter.

Import

Close

Power Apps

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Environment CoPilot Experience

Close Click to copy

Custom connector has been successfully updated.

Connector Name VacationDetails

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Swagger editor Update connector Close

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Connector Name VacationDetails

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Swagger editor Update connector Close

Actions (1)

Actions determine the operations that users can perform. Actions can be used to read, create, update or delete resources in the underlying connector.

post-vacationdetailsfunction

New action

References (0)

References are reusable parameters used by both actions and triggers.

Policies (0)

Policies are used to change the behavior of actions and triggers through configuration. You can use one or more policies from a set of predefined templates.

New policy

General

Summary [Learn more](#)

VacationDetailsFunction

Description [Learn more](#)

Operation ID *

This is the unique string used to identify the operation.

post-vacationdetailsfunction

Visibility [Learn more](#)

none advanced internal important

Request

It defines the pre-requirements needed in order to make a request. Describes a single operation parameter. A unique parameter is defined by a combination of a name and location.

Request [Import from sample](#)

Verb *

The verb describes the operations available on a single path.

POST

URL *

This is the request URL.

/VacationDetails/VacationDetailsFunction

Path

Path is used together with Path Templating, where the parameter value is actually part of the operation's URL.

Ask a virtual agent



Connector Name

VacationDetails

1. General > 2. Security > 3. Definition > 4. AI Plugin (preview) > 5. Code > 6. Test

 Swagger editor Update connector Close

Test operation

Test a specified operation of this custom connector using the selected connection. You must update the custom connector in order to test recent changes.

Connections

Selected connection *

VacationDetails (Created at 2024-01-29T20:02:26.7068744Z)

[+ New connection](#)

Operations (1)

These are the operations defined by your custom connector. This includes actions and triggers.



post-vacationdetailsfunction

Raw Body

 Off

employeed

[Test operation](#)[Code](#)

Power Apps

Search

Environment CoPilot Experience

?

Custom connectors

Test operation

Operations (1)

post-vacationdetailsfunction

Raw Body

Off

employeeld

1001

Test operation

VacationDetails

1. General > 2. Security > 3. Definition > 4. AI Plugin (preview) > 5. Code > 6. Test

Swagger editor

Update connector

Close

Ask a virtual agent

Connector Name **VacationDetails**

1. General > 2. Security > 3. Definition > 4. AI Plugin (preview) > 5. Code > 6. Test

 Swagger editor Update connector Close

Operations (1)

These are the operations defined by your custom connector. This includes actions and triggers.

 1 post-vacationdet...

post-vacationdetailsfunction

Raw Body

 Off

employeedId

1001

 Test operation Request Response

Status

(200)

Headers

```
{  
  "content-encoding": "gzip",  
  "content-type": "application/json; charset=utf-8",  
  "date": "Mon, 29 Jan 2024 20:34:20 GMT",  
  "vary": "Accept-Encoding",  
  "x-ms-anihub-cached-response": "true"
```

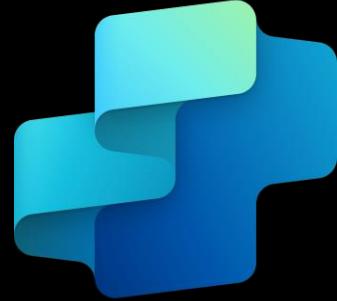
Body

```
[  
  {  
    "vacationId": "vac001",  
    "employeeId": "1001",  
    "startDate": "2024-01-29",  
    "endDate": "2024-01-30",  
    "duration": 2,  
    "status": "approved"  
  },  
  {  
    "vacationId": "vac002",  
    "employeeId": "1001",  
    "startDate": "2024-02-15",  
    "endDate": "2024-02-19",  
    "duration": 5
```

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Power Platform

Create a Plugin Action in Copilot Studio!



Copilots

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Generative AI

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Publish

Extend Microsoft Copilot (preview)

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Test copilot

Tracking: off

Chat

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

A minute ago

Type your message

Custom Copilot

Share

Set up your generative AI

Add knowledge to your copilot by adding an external website, a SharePoint site, uploading files, and more so your copilot can instantly answer questions over your data. [Learn more](#)

Add a website
Allow your copilot to chat over the content of websites you choose.

Update generative answers

Add files
Allow your copilot to chat over the content of files you upload.
Add files

Manage generative AI
Manage your Generative AI settings, data sources, and enable even more powerful capabilities.
Go to Generative AI

Create custom topics
Build custom topics and workflows for your copilot to use.
Create topic

Create Plugins & Actions
Connect to your enterprise data, call APIs, connectors, Flows and more - and expose them as plugins for your copilot to use.
Create plugin action

Extend a Microsoft Copilot (preview)
Tailor your Microsoft Copilot for your enterprise needs with plugins.
Extend with conversational plugins

Learn more

[Microsoft Copilot Studio documentation](#)

Product videos

[Building copilots better together](#)

Tell us what you think

Ask questions and learn from the community
[Support community](#)

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Test copilot

Tracking: off

Chat



+ Add

Topics & Plugins

Search custom topics

Topics (7)

Plugin actions (preview) (0)

System (9)

	Name	Trigger	Description	Errors	Editing	Modified by
	Goodbye		This topic triggers when the user says goodbye. By...			Cameron a minute ago
	Greeting		This topic is triggered when the user greets the bot.			Cameron a minute ago
	Lesson 1 - A simple topic					Cameron a minute ago
	Lesson 2 - A simple topic with a condition and vari...					Cameron a minute ago
	Lesson 3 - A topic with a condition, variables and a...					Cameron a minute ago
	Start Over					Cameron 2 minutes ago
	Thank you		This topic triggers when the user says thank you.			Cameron a minute ago



Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

A minute ago

Type your message



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Test copilot

Tracking: off

Chat

A minute ago

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Type your message

+ Add

Topics & Plugins

Topics (7) ⚡ Plugin actions (preview) (0) System (9)



Looks like your copilot doesn't have any plugin actions yet.

Plugin actions use AI to ask your users questions to fill in missing information and can dynamically generate information for your users when dynamic chaining is turned on.

Add a plugin action (preview)

Test copilot

Tracking: off

Chat

+ Add

Topics & Plugins

Topics (7) Plugin actions (preview) (0) System (9)

Search plugins

Add an action (preview)

Action

Connection details

Review and finish

What action do you want to add?

Search for standard and plugin actions by name

vacationdetailsfunction

This AI-powered feature is in preview. See terms

1 action found

VacationDetailsFunction

VacationDetails

Can't find an action you want to add? Try adding a new action.

+ New Action

Cancel

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

3 minutes ago

Type your message

Test copilot

Tracking: off

Chat

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Settings

+ Add

Topics & Plugins

Topics (7) Plugin actions (preview) (0) System (9)

Search plugins

Add an action (preview)

Action

Connection details

Review and finish

Connector

Connectors let data move from a system or service to Microsoft Copilot Studio. Create a link to a connector by signing in.

Connect to

VacationDetails

...

Back

Next

Cancel

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

3 minutes ago

Type your message

Hide copilot

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Tracking: off

Chat

+ Add

Topics & Plugins

Topics (7) Plugin actions (preview) (0) System (9)

Search plugins

Add an action (preview)

Action

Connection details

Review and finish

Review and finish

Open code editor

Action Choose action Edit

VacationDetailsFunction VacationDetails

Action details Edit

Plugin action name VacationDetails - VacationDetailsFunction

Model display name VacationDetailsFunction

Model description Retrieves employee vacation details from an Azure Function

Back Finish Cancel



Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

4 minutes ago

Type your message



Test copilot

Tracking: off

Chat

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+ Add

Topics & Plugins

Topics (7) Plugin actions (preview) (0) System (9)

Search plugins

Add an action (preview)

Action

Connection details

Review and finish

Model description
Retrieves employee vacation details from an Azure Function

Ask the user before running this action?
No
User confirmation is recommended for actions in sensitive or regulated domains or when making changes for the user. AI-generated content can have mistakes.

Inputs (1)
employeeId
Dynamically fill with best option (default). Identify as user's entire response

Outputs (0)
Respond to the user after running this action?
Yes

Back Finish Cancel

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Tip: You can also set the employee Id to a fixed value or a global variable by changing it to 'Set a value' in plugins settings.

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Test copilot

Tracking: off

Chat

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

5 minutes ago

Type your message

Hide copilot

+ Add

Topics & Plugins

Search plugins

Topics (7) **Plugin actions (preview) (1)** System (9)

	Name	Description	Inputs	Outputs	Modified by
	VacationDetails - VacationDetailsFunction		0	0	Cameron a few seconds ago

Copilot Studio

Environment CoPilot Experience

?

Hide copilot

Test copilot

Tracking: off

Chat

Details Inputs Outputs

Plugin action name * ⓘ

Contoso HR API - Get Current Vacation Details

Model display name * ⓘ

Contoso HR API - Get Current Vacation Details

Model description * ⓘ

This tool can answer questions about the vacation / annual leave for a given employee, including total leave entitlement and requested / confirmed vacation requests.

Ask the user before running this action

User confirmation is recommended for actions in sensitive or regulated domains or when making changes for the user. AI-generated content can have mistakes.

Connector

VacationDetails

Connector action

Retrieves employee vacation details from an Azure Function

Status ⓘ

On

Dynamic chaining ⓘ

Enabled

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

4 minutes ago

Type your message

Copilot Studio

Environment CoPilot Experience

?

Hide copilot

Test copilot

Tracking: off

Chat

Topic Saved!

Plugins > Contoso HR API - Get Current Vacation Details

Details Inputs Outputs

Plugin action name * ⓘ

Contoso HR API - Get Current Vacation Details

Model display name * ⓘ

Contoso HR API - Get Current Vacation Details

Model description * ⓘ

This tool can answer questions about the vacation / annual leave for a given employee, including total leave entitlement and requested / confirmed vacation requests.

Ask the user before running this action

User confirmation is recommended for actions in sensitive or regulated domains or when making changes for the user. AI-generated content can have mistakes.

Connector

VacationDetails

Connector action

Retrieves employee vacation details from an Azure Function

Status ⓘ

On

Dynamic chaining ⓘ

Enabled

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5 minutes ago

Type your message

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Tracking: off

Chat

Save

Create generative answers

Boost coverage node

Customize your conversations with a node to enable generative answers.

Go to search topic

Enterprise chat tools

Add knowledge to this bot from Azure OpenAI on your data.

Use Azure OpenAI on your data

You consent to your data flowing outside your organization's compliance and geo boundaries. By proceeding you agree to the supplemental preview terms. [See preview terms](#)

[Learn more about responsible AI at Microsoft](#)

Use AI features in your copilot

Generating responses using AI doesn't guarantee accuracy or relevance.

Dynamic chaining with generative actions (preview)

Create conversations by letting AI find and connect the appropriate plugins in real time.

Intelligent authoring with Copilot

Describe copilot topics you need, and Copilot will develop it. Access this intelligent authoring tool in user settings, unavailable in classic copilots.

[Go to user settings](#)

Boost conversational coverage with generative answers

Customize your conversations with a node to get information in real time from a data source you choose. [Learn more](#)

[Go to Conversational Boosting topic](#)

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Just now

Type your message

Hide copilot

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Type your message 

Hide copilot 

Test copilot

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Test copilot

Tracking: off

Chat

Just now: Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Just now: what's my total leave allowance?

Just now: What is the employee ID?

Type your message

Create generative answers

Boost coverage node

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[Go to search topic](#)

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Test copilot

Tracking: on

Chat

Just now

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

what is my total leave allowance? 

Plugins > Conversation Start

Trigger: On Conversation Start

Message: Hello, I'm {x} Bot.Name string ...

```
graph TD; Trigger[Trigger: On Conversation Start] --> Message[Message: Hello, I'm {x} Bot.Name string ...]
```

Hand icons for selection and dragging.



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Just now

what is my total leave allowance?

Just now

What is the employee ID?

Just now

Type your message

Hide copilot

Test copilot

Tracking: on

Chat

Hello, I'm Custom Copilot, a virtual assistant. Just so you are aware, I sometimes use AI to answer your questions. If you provided a website during creation, try asking me about it! Next try giving me some more knowledge by setting up generative AI.

Just now

what is my total leave allowance?

Just now

What is the employee ID?

Just now

Type your message

Plugins > Conversation Start

Trigger: On Conversation Start

Message: Text
Hello, I'm {x} Bot.Name string ...

Tools:

- Search
- Filter
- Find
- Copy
- Open
- Close
- Help



Test copilot

Tracking: on

Chat

Your total entitlement for annual leave is 28 days.
A minute ago

what do i have booked

What is the employee ID?
Just now

1001

You have the following vacations booked:

- Vacation ID: vac001, Start Date: 2024-01-29, End Date: 2024-01-30, Duration: 2 days, Status: Approved
- Vacation ID: vac002, Start Date: 2024-02-15, End Date: 2024-02-19, Duration: 5 days, Status: Pending Approval

Just now

how quickly does my leave accrue

What is the employee ID?
Just now

1001

Your leave accrues at a rate of 2.33 days per month.

Type your message

Plugins > Conversation Start

Trigger

On Conversation Start

Message

Hello, I'm {x} Bot.Name string ...

+

Search

Open

Close

Minimize

Delete

Copy

Share

...

...

Save

Upload a document (preview)

Upload a document to power real-time responses to users. The document will be stored securely and used as the data source for automatic responses. Recommend using text-based files. Please note that image, audio, video, and executable files are not supported. [Learn more](#)

File contents available to all users. Uploaded file content is available to anyone chatting with the copilot, regardless of file permissions or access controls.

Drag and drop files here or [click to browse](#)
Up to 3 MB per file

Name	Size
Field_Worker_First_Week_Onboarding_...	2.32 KB
Contoso_Water_Safety_and_Complianc...	33.35 KB
Contoso_Water_Presentation.pptx	40.89 KB
Contoso_Water_Employee_Handbook_...	5.45 KB

Copilot content moderation ⓘ

High (default)
Copilot generates fewer answers, but responses are mor...

Add more generative answers from data sources

Create generative answers

(x)

Enterprise chat tools

Test your copilot

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Test copilot

Tracking: on

Chat

1001 3 minutes ago I'm sorry, but I don't have access to the specific number of vacation days you have taken this year.

3 minutes ago how many vacation days have i taken

3 minutes ago What is the employee ID?

1001 3 minutes ago You have taken 7 vacation days.

3 minutes ago show me

Here are the vacation details for employee ID 1001:

- Vacation ID: vac001 Start Date: 2024-01-29 End Date: 2024-01-30 Duration: 2 days Status: approved
- Vacation ID: vac002 Start Date: 2024-02-15 End Date: 2024-02-19 Duration: 5 days Status: pending approval

Type your message

Save

Upload a document (preview)

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File contents available to all users. Uploaded file content is available to anyone chatting with the copilot, regardless of file permissions or access controls.

Drag and drop files here or [click to browse](#)
Up to 3 MB per file

File upload complete. Files have been successfully uploaded to Dataverse. They will be available for generative answers shortly

Name	Size
Field_Worker_First_Week_Onboarding...	2.32 KB
Contoso_Water_Safety_and_Complianc...	33.35 KB
Contoso_Water_Presentation.pptx	40.89 KB
Contoso_Water_Employee_Handbook....	5.45 KB

Copilot content moderation

High (default)
Copilot generates fewer answers, but responses are mor...

Add more generative answers from data sources

Create generative answers

Thank you

