WEB04 – Integrate Web Apps using Webhooks

Lorenzo Barbieri

Microsoft Cloud Solution Architect

@_geniodelmale

Massimo Bonanni

Microsoft Senior Consultant

@massimobonanni

CommunityDays.it

Webhooks 4 dummies

- Webhooks are "user-defined HTTP callbacks".[
  - They are usually triggered by some event, such as pushing code to a repository or a comment being posted to a blog.
  - When that event occurs, the source site makes an HTTP request to the URL configured for the webhook. Users can configure them to cause events on one site to invoke behaviour on another. The action taken may be anything.
  - Since they use HTTP, they can be integrated into web services without adding new infrastructure.[7]

  - Source: https://en.wikipedia.org/wiki/Webhook

URL verification to avoid DDOS attacks!

- Most Webhook providers require that the destination URL of the Webhook is verified before sending events.
- Most Webhook providers will stop sending events after one or more failures.

A world of Webhooks!!!

CommunityDays.it

ASP.Net Core ❤ Webhooks

DEMO

How to implement a GitHub receiver in ASP.Net Core in 10 minutes

CommunityDays.it

Azure ❤ Webhooks

DEMO

Create a simple Webhook using Azure Functions

CommunityDays.it

DropBox to OneDrive (Serverless)

DEMO

How to move file from DropBox to OneDrive without a server

CommunityDays.it

VSTS Sync using Webhooks

DEMO

How to syncronize two VSTS using Webhooks and Service Hooks

CommunityDays.it

WorkItems Sync

- VSTS exposes Service Hooks for a lot of services, 3rd parties and Microsoft ones.
- We'll use the «generic» Webhook connector:
  - WorkItem Created
  - WorkItem Updated
  - WorkItem Deleted

- Two VSTS:
  - http://geniodelmale.visualstudio.com
  - http://massimobonanni.visualstudio.com
- Master-Slave scenario
  (it could be fully bidirectional)
- Same Team Project Template
- Same users
- Same Team Project Name
  (it's not necessary to be the same)

CommunityDays.it

Event Grid

Manage all events in one place

Unlock new scenarios for your apps

Ensure reliability and performance for your apps

Lorenzo Barbieri

Microsoft Cloud Solution Architect

@_geniodelmale

Massimo Bonanni

Microsoft Senior Consultant

@massimobonanni

#WebHookCDays18

CommunityDays.it