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WEB 335 Introduction to NoSQL

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Discussion 8.1

Webhooks are a type of technology that helps developers automate certain actions on websites or applications. They allow developers to set up notifications that get sent to another application whenever a specific event happens like a user creating a new account or making a purchase. I personally have used webhooks for setting up PRTG (Paessler Router Traffic Grapher) notifications in Microsoft Teams. Doing this means that everyone on my team can get a notification if the services that we are tracking with PRTG go down. This notification is sent via a URL and an HTTP request containing any relevant data about the event.

Using webhooks has a few benefits. They help make websites and applications more responsive, meaning users can get updated information faster and with less effort. For example, if a user purchases a product, webhooks can automatically update the inventory so that other users can see what's still available.

Webhooks are also relatively easy to set up compared to other types of event-driven architectures. Instead of needing a lot of complex messaging infrastructure, developers can simply create a URL and specify which events they want to listen for.

However, there are some potential downsides to using webhooks. If the URL is not secure, it can be vulnerable to attacks that could compromise user data or even bring down the website or application. And if the webhook is not configured properly, it could create unnecessary network traffic or cause data to be lost.

Overall, webhooks are a useful tool for developers who want to create more responsive, efficient websites and applications. But it's important to use them correctly and make sure they're secure to avoid any potential problems.

References

Strauss, L. (2022, December 12). *Webhook vs. API: differences (and when to use each)*.

    Zapier.com; Zapier. https://zapier.com/blog/webhook-vs-api/

What is a webhook? (2022). Redhat.com. https://www.redhat.com/en/topics/automation/what-is-

    a-webhook