



Today, we will discuss about **Azure DevOps (ADO)** solution.

Oh great, it's a very widely used tool.



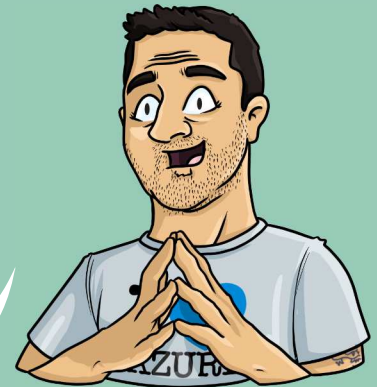
Right.

ADO is a platform composed of **different services**, offered by Microsoft to simplify the **development lifecycle**.

Is it only used by developers?

No!

It improves collaboration between the DEV teams on the one hand, and the operations teams on the other.



**DevOps methodology?!**

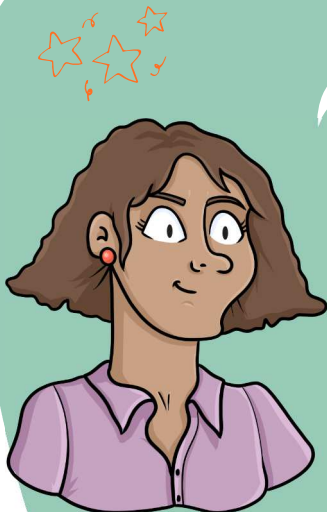
Exactly, it is the contraction of Dev and Ops.

ADO offers a complete integrated set of tools and services.

If I understand correctly, it avoids to use several tools?!

You have understood everything.

By the way, ADO is available as a SAAS solution, but you can also install it on a server.



This is great for those who encounter technical or security constraints.

Indeed.

Let's try to talk about the different tools available in ADO.

Come on, let's listen to you carefully.



Let's start with **Azure Boards**, which allows teams to plan and monitor actions throughout the Development process.

Is it possible to manage agile methodologies there?

Sure, like Scrum and Kanban.

You can manage different **Product Backlog Items** (PBI) such as User Stories, Tasks or even Bugs.

Great, and I guess you can follow them via different Boards.

Exactly, which allows you to have a progress report at a glance.

What about code management?

**Azure Repos** allows you to version your code.

You can track changes to the code over time, with **branch management** and everything that goes with it.

Does this remind me of **GitHub**?

Yeah absolutely.

Moreover, Azure Repos offers two types of version management, which are Git and Team Foundation version Control (TFVC).

What about deployments?



This is managed through **Azure Pipelines**.

It allows you to manage **CI/CD** workflows.

CI/CD ?

**Continuous integration** or **CI** allows you to integrate changes to your code in an automated way.

**Continuous delivery** or **CD** allows you to generate your code, test it and deploy it in a test or production environment.

Really nice!



**Azure Test Plans** allows you to plan manual or automatic tests of your application via a browser.

Like to simulate user activity?

Absolutely.

And finally **Azure Artefacts** which allows you to consume or publish packages.

A bit like on public registries like NuGet.org or npmjs.com

Yes, you definitely have a good DevOps culture!!

A little, I admit.

And in terms of security, what is offered?

One of the latest features is called **GitHub Advanced Security for Azure DevOps**.

It allows you to verify that there are no secrets during pushes or in your Azure Repos.

It searches for potential vulnerabilities in open source dependencies.

And finally, it makes it possible to identify vulnerabilities at the application level, like **SQL injection**.

Awesome.

Azure DevOps is truly a fantastic solution.

It allows you to **collaborate**, to **manage** the **life cycle** of your code during **all stages of development**, it's super cool.



Thank you!



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See you soon!

