



Do you know the **Azure DevTest Labs** service?

Personally, I've never heard of it!

As always, you will see that it can be very useful.

**Azure DevTest Labs** makes it easy to create and manage Azure resources in a test or lab context.

Ah OK. What about **training** or **classrooms**?

Yes, it is even one of the scenarios for which it is most used.

And how does it actually work?

You'll see, it's very simple.

To start, you create a service, which is in fact a laboratory in which you will be able to deploy your resources.

Among a repository, different resources are available, such as **VMs**, **complete environments** or **resource groups** ready to use

And if I take your example of training, you define the users who will use the resources.

What do you find in this repository?

You have VMs with a Linux or Windows OS, but also Webapps, Oracle or SQL DBs, Dynamics instances, GitHub Enterprise servers and many others.

Awesome !

And can I use my own **images** or my own **custom templates**?

Obviously.

Just like **artifacts** which are tools, actions or software that you can add to VMs.



In addition, you can define strategies to **reduce the costs** of your resources.

Like the number, or size, of VMs to use for a user or in a lab.

But also, define schedules, to **stop** and **start** of the VMs.

As well as an **expiration date** to automatically delete VMs.

It's great, especially for training where you know the end date in advance.

Regarding training, with RBAC, you will be able to manage rights by defining users, who can then **claim VMs** that are in a shared pool.

Thus, each student will have his own VM to work with.

I like it!



And in addition, you can integrate the **Azure DevTest Labs** service, with **DevOps CI/CD pipelines**, to be used during the build, test and even delivery phases.

But it is not because we are talking about a test environment that security is forgotten!

I'm sure of that!

You can manage network traffic with **NSGs**, configure interconnection with **ExpressRoute** or **VPN** connections, and enable Private Link, if you need it.

And you can also add protection with services like **Azure Firewall**, **Azure DDOS protection** and **Microsoft Defender for Cloud**.

In fact, security is present as on any other Azure service!

Exactly. You can therefore carry out tests, with different solutions while controlling your costs, and in a completely secure way!

Thank you!



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