op Azure Kubernetes Service. Daarnaast kijken we naar verschillende projecten in het WASI ecosysteem die je op weg kunnen helpen. Aan het eind van deze sessie heb niet alleen een overzicht van wat WASI kan, maar weet je ook hoe je moet beginnen met het oplossen van echte problemen met WebAssembly op de server.

SANDBOXING .NET ASSEMBLIES FOR FUN, PROFIT AND OF COURSE SECURITY!

Niels Tanis

In our current way of developing .NET applications we rely a lot on third-party libraries developed by others. This of course has a lot of benefits from productivity perspective because there is no need to write needed functionality from scratch. But by using in a third-party library you also pull in it's issues and possibly security problems that are found over time. What does the library do? And what type of other libraries and/or functionality does it rely on? What do the projects/people behind it do for security? If we develop a .NET application using external libraries can we improve our security posture? Other new technologies like WebAssembly introduced a concept of nano-process, which allows the developer to limit the capabilities available for an external module by creating a restricted sandbox for it. Could we maybe do the same in .NET? In the old days we could use AppDomains and Code-Access Security (CAS) to achieve that, but with the introduction .NET Core there only is a single AppDomain and CAS has been deprecated. Luckily with .NET Core we did get more internals exposed on AssemblyLoadContext and in this session we're going to create a sandbox using that. A restricted sandbox that limits the functionality available that will improve the security posture of our application!

LEARNING TO ❤ HATEOAS

Sander ten Brinke

Have you noticed that apps often contain code that already exists on the server?
For example: Checking if an item can be deleted. But the server also checks this during deletion! If you change this logic on the server, you need to update all your apps, too! And that is just one of the downsides..
Isn't there a better way? During this presentation, you will learn how HATEOAS can help!