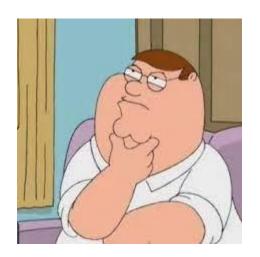


Introduction Microsoft Azure

Lecture 02

Microsoft Azure?





Goals

• Microsoft Azure, also known as Azure, is a cloud computing service run by Microsoft that lets users manage applications through Microsoft-owned data centers. Among the things it does: It gives you software as a service, platform as a service (PaaS), and infrastructure as a service (IaaS). It also lets you use a lot of different programming languages and tools, as well as Microsoft and third-party software and systems..

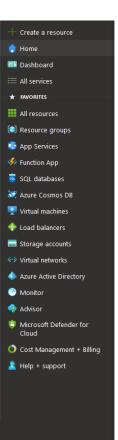


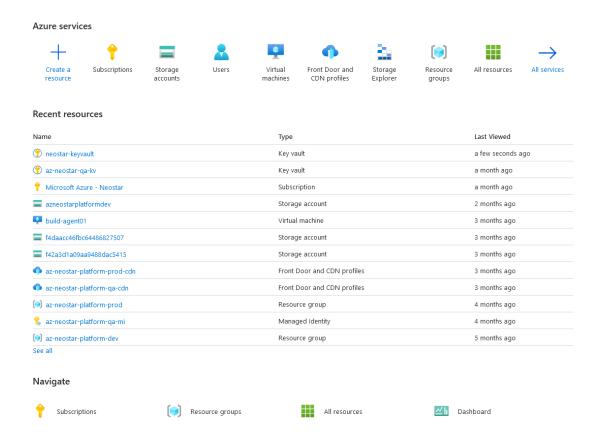
- If you want to run general-purpose Microsoft Windows and Linux virtual machines, or machine images for popular software packages, you can use virtual machines, which are called infrastructure as a service (IAaS).
- On Azure, a lot of people run Linux on some of the many Linux distributions that are available, like Microsoft's own Linux-based Azure Sphere.
- App services are platform as a service (PaaS) environments that make it easy for developers to make and manage websites.



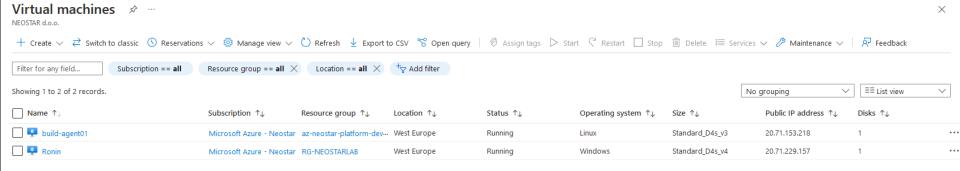
 Azure Web Sites lets developers make websites with ASP.NET, PHP, Node.js, Java, or Python. They can be put up with FTP, Git, Mercurial, Team Foundation Server, or the user portal. This feature was first shown off in June 2012 at the Meet Microsoft Azure event. Customers can make websites in PHP, ASP.NET, Node.js, or Python, or they can choose from a gallery of open source apps to use. PaaS is a way for Microsoft to make it easier for people to use the Microsoft Azure Platform. This is one way. It changed its name to Web Apps in April 2015.



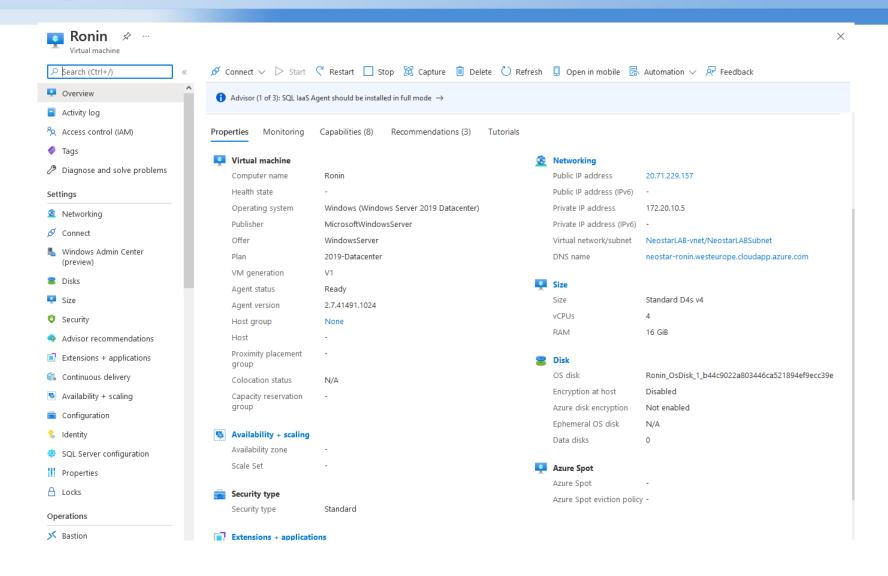




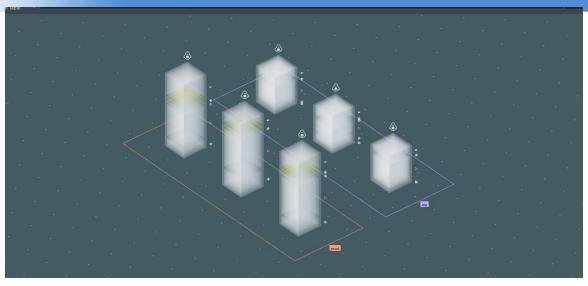


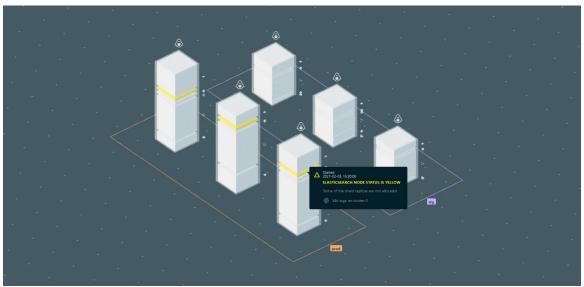








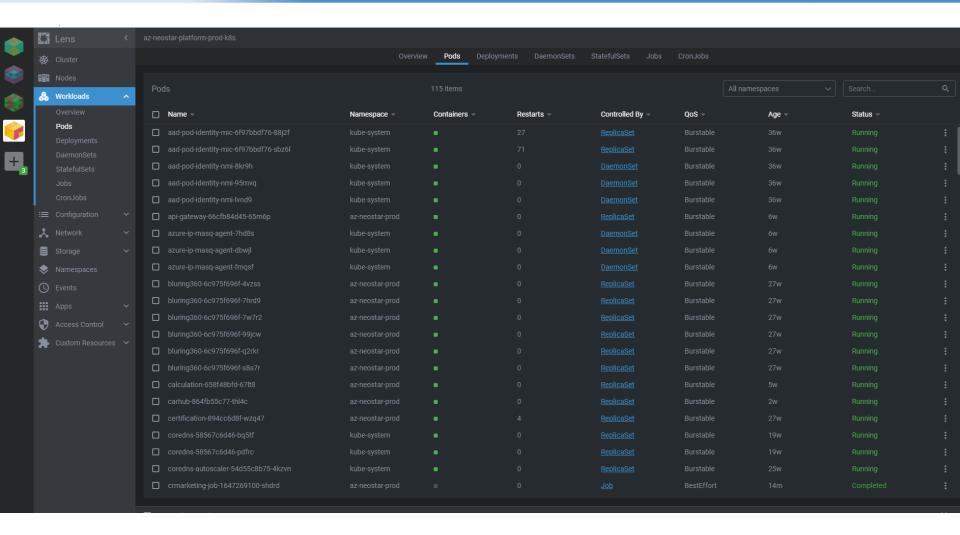




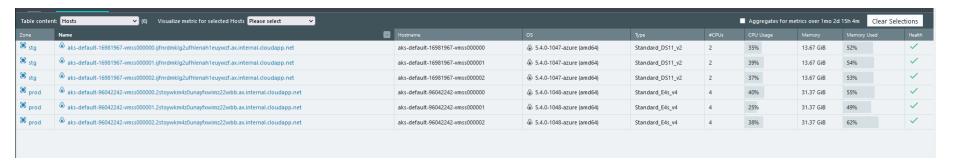














• WebJobs are apps that can be used in an App Service environment to run background processing that can be started on a schedule, on demand, or all the time. It is possible to communicate between apps, software for iOS, and web jobs by using the Blob and Table services. They also provide information about the state of the apps and web jobs.



Identity

- Azure Active Directory is used to synchronize on-premises directories and set up single sign-on (SSO) (Single Sign On).
- People can use Azure Active Directory B2C to manage their own identities and access in the cloud.
- A service called Azure Active Directory Domain Services is used to connect virtual machines in the cloud to a domain that doesn't have any domain controllers.
- There is a service called Azure information protection that can be used to keep important information safe.



Identity + keyvault

•	Overview	^				
	Activity log					
%	Access control (IAM)					
•	Tags					
B	Diagnose and solve problems					
۶	Events					
Settings						
•	Keys					
A	Secrets					
<u>_</u> =	Certificates					
¥≡	Access policies					
< I >	Networking					
0	Security					
Ш	Properties					
A	Locks					
Monitoring						
Ţ	Alerts					

Na	ame	Туре	Status	Expiration date
Bu	uyVehicleService-DB		✓ Enabled	
Ca	alculationService-DB		✓ Enabled	
Ca	arHub-DB		✓ Enabled	
Ce	ertificationService-CryptographyIV		✓ Enabled	
Ce	ertificationService-CryptographyKey		✓ Enabled	
Ce	ertificationService-DB		✓ Enabled	
Ce	ertificationService-PlatformDB		✓ Enabled	
Co	onnectionStringsNopDbConnection		✓ Enabled	
CF	RMarketing-host		✓ Enabled	
CF	RMarketing-identity		✓ Enabled	
CF	RMarketing-neostar		✓ Enabled	
CF	RMarketing-nop		✓ Enabled	
CF	RMarketing-password		✓ Enabled	
CF	RMarketing-username		✓ Enabled	
Dr	msService-DB		✓ Enabled	
Do	ocumentService-DB		✓ Enabled	
Do	ocumentService-IronBarcodeLicense		✓ Enabled	

