Azure Linux Explained

Azure Linux

Custom build from scratch

Azure Linux is RPM based

First party Azure Services such as Defender or XBox use Azure Linux

Azure Linux on GitHub

https://github.com/microsoft/azurelinux

Download ISO from GitHub and run it as a VM

Purpose built for Azure services

Azure Linux

Microsoft manages everything

- Security

- Performance

- Quality

- Support

Azure Linux Performance and Security

Reduced packages

- Only packages needed for Azure

- Smaller attack surface

Less CVEs → less patches needed

Less overhead → smaller footprint

Azure Linux on AKS

Special treatment for AKS

Control plane is always Azure Linux

AKS performance increased → faster cluster creation

Performance tests for AKS with every update

Azure Linux 3 is supported on Kubernetes version 1.31 and above

Update node pool …

fasfasfas

Node pool name * ⓘ	userpool
Mode * ⓘ	◉ User ○ System
OS SKU * ⓘ	◉ Azure Linux ○ Ubuntu Linux ○ Windows 2022 ○ Windows 2019