ubuntu

Microsoft Azure

Ubuntu Pro FIPS for Azure

For production workloads and professional users

Ubuntu Pro for Azure is a premium image designed by Canonical to provide additional coverage for production environments running in the cloud. It includes security and compliance services, enabled by default, in a form suitable for small to large-scale Linux enterprise operations offering pay-as-you-go billing on your existing Azure invoice.

Key features include live kernel patching, which provides instant security and longer uptimes and broad security patching of major open source workloads for production use. Ubuntu Pro is backed by a 10-year maintenance commitment by Canonical.

Ubuntu on Azure features an optimized Azure kernel, with improved boot speed, outstanding runtime performance and advanced device support to match features present in every Azure VM instance type. Canonical publishes images on a daily basis, ensuring security is built-in from the moment an instance launches, and provides content mirrors in every region to avoid the need to go across regions or out to the Internet for updates.

Ubuntu Pro FIPS for Azure is an Ubuntu Pro image with FIPS 140-2 Level 1 certified modules enabled by default for FedRAMP, HIPAA, PCI and ISO use cases. FIPS 140-2 is a set of publicly announced cryptographic standards developed by the National Institute of Standards and Technology.

Ubuntu LTS	FIPS certified component	Description	Version	CMVP Certificate
18.04	Azure Kernel	Kernel optimised for use in Azure clouds	4.15	3683
18.04	OpenSSL	General purpose cryptographic library that includes TLS implementation	1.1.1	3622
18.04	OpenSSH client	SSH server application for operating systems	7.9p1	3633
18.04	OpenSSH server	SSH client application for operating systems	7.9p1	3632
18.04	StrongSWAN	IPSec based VPN solution library	5.6.2	3648

Ubuntu on Azure

Canonical, the publisher of Ubuntu, offers images carefully optimised to work on scale in public cloud environments. Cloud innovators choose Ubuntu to run their mission-critical workloads, including Netflix, Paypal, Heroku and Acquia.

Ubuntu Pro is a production-focused image which includes subscriptions to enterprise services including kernel Livepatch, certified components and the broadest security coverage in the industry.

Ubuntu Pro FIPS is a compliance-focused image which includes FIPS 140-2 Level 1 certified modules enabled by default for FedRAMP, HIPAA, PCI and ISO use cases.

Ubuntu is the public cloud image of choice, used and trusted by millions of developers to innovate on modern workloads.

Key Benefits

Ubuntu LTS	FIPS certified component	Description	Version	CMVP Certificate
16.04	Linux kernel (generic)	The Linux kernel cryptographic library	4.4.0.1002	2962
16.04	OpenSSL	General purpose cryptographic library that includes TLS implementation	1.0.2g	2888
16.04	OpenSSH client	SSH server application for operating systems	7.2p2	2907
16.04	OpenSSH server	SSH client application for operating systems	7.2p2	2906
16.04	StrongSWAN	IPSec based VPN solution library	5.3.5	2978

Launch Ubuntu Pro FIPS: 18.04 Pro FIPS LTS | 16.04 Pro FIPS LTS

Ubuntu Pro for Azure is priced based on the core count of the Azure VM instance, starting at $0.01 for single-core instances. The table below covers Central US region pricing for the common instance types:

Instance	Category	Cores	RAM	Azure Cost	Pro Cost	Total hourly
B1MS	Standard	1	1GB	$0.025	$0.010	$0.035
DS2V3	General Purpose	2	8GB	$0.110	$0.020	$0.132
DS3v2	General Purpose	4	14GB	$0.293	$0.040	$0.333
DS13v2	Memory Optimized	8	56GB	$0.741	$0.067	$0.808

Ubuntu Pro available on the Azure Marketplace: 20.04 LTS | 18.04 LTS | 16.04 LTS | 14.04 LTS

Need access to our solutions?

To learn more about how Ubuntu Pro can help you achieve your efficiency, security and compliance goals, visit ubuntu.com/azure/pro, or contact us to get started.

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