



Canonical Ubuntu Software Solution Product Guide

Product Guide

Organizations are transforming their IT environments to support modern workloads, while maintaining high levels of security, availability, and operational efficiency. These requirements demand an enterprise-grade Linux platform that is open, scalable, and supported across the full infrastructure lifecycle. Lenovo and Canonical deliver such a platform.

By combining Lenovo ThinkSystem and ThinkEdge servers with Ubuntu Server LTS and Ubuntu Pro subscriptions, the solutions deliver enterprise-grade performance and reliability. Ubuntu provides a consistent operating environment across physical, virtual, cloud, and edge deployments. It is widely adopted for Kubernetes, cloud infrastructure, and modern application platforms.

For customers seeking simplified private cloud and edge deployments, [Canonical MicroCloud](#) offers lightweight, clustered infrastructure that's simple to get up and running, supported by the reliable foundation of Ubuntu. MicroCloud integrates compute, storage, and networking into a compact, easily managed solution that is well suited for remote offices, edge locations, and smaller data center environments running on Lenovo servers.

By purchasing Canonical's solutions through Lenovo, customers benefit from validated hardware compatibility, simplified procurement, and enterprise support. These joint Lenovo and Canonical offerings provide a security-maintained, flexible, and future-ready Linux foundation, supporting both traditional enterprise workloads and modern distributed infrastructure use cases.

Did you know?

Lenovo powers some of the world's largest and most advanced supercomputing and cloud infrastructure deployments using Canonical Ubuntu. Ubuntu is the most widely used Linux OS in high-performance computing and public cloud environments, and it is one of the most popular default operating systems on major hyperscalers.

Ubuntu-certified Lenovo hardware undergoes rigorous testing to ensure seamless Ubuntu performance right out of the box. Canonical collaborates closely with Lenovo to ensure Ubuntu is optimized across the range of Lenovo ThinkSystem, ThinkEdge, and ThinkAgile servers, supporting the latest hardware innovations. This certification enables Lenovo sellers to offer reliable solutions, boosting customer confidence and accelerating deployments. Read more about Ubuntu certified Lenovo products.

Why buy Canonical's solutions from Lenovo?

Lenovo sales teams can enhance their offerings with Canonical's trusted, proven solutions. The wide range of solutions cover many enterprise needs, from Canonical's enterprise support and professional services, to Canonical's advanced solutions for hybrid cloud, automated Kubernetes, AI/ML, software-defined storage, and edge computing. This partnership delivers **trusted, scalable, cost-effective infrastructure** through a single-source experience, empowering Lenovo resellers to unlock new revenue streams and meet diverse customer demands with future-ready technologies. Learn more about [Canonical's](#) open source infrastructure offerings.

Additionally, by purchasing an Ubuntu Pro subscription, customers get access to:

- A trusted open source repository they can build on
- Fast remediation with tested vulnerability fixes
- Auditing, patching automation and management tools to ensure visibility and uptime
- Compliance profiles for the most popular security standards
- Coverage for OS, infrastructure and application stack, including GCC, PostgreSQL, OpenSSL, Nagios, Rust, PHP, Redis, and more
- Certified hardware platform on Lenovo ThinkSystem and ThinkEdge servers
- Operational consistency across physical, virtual, and edge environments.

Canonical MicroCloud overview

Canonical [MicroCloud](#) is a lightweight, open source cloud platform, designed to simplify the deployment and operation of clustered environments for edge, remote office, and everything from small to large data centers. It is built on the same Ubuntu Server LTS foundation and is supported through Ubuntu Pro, ensuring consistency with enterprise Ubuntu deployments.

MicroCloud combines compute, storage, and networking into a single, cohesive platform that can be deployed rapidly with minimal configuration. It uses native Ubuntu components to provide high availability and clustering capabilities, helping organizations to create resilient infrastructure, without the complexity typically associated with traditional private cloud solutions.

When deployed on Lenovo ThinkSystem and ThinkEdge servers, MicroCloud provides a compact and efficient platform well suited to distributed environments. Typical use cases include edge computing, remote offices and branch offices (ROBO), development and test environments, and localized application platforms that require simplicity and reliability.

MicroCloud complements existing data center and cloud strategies by extending the Ubuntu operating environment to smaller-scale deployments. Supported by Canonical and available through Lenovo, MicroCloud helps customers to deploy clustered infrastructure with predictable lifecycle management, enterprise security, and validated Lenovo hardware compatibility. [Learn more about MicroCloud](#) in our documentation.

Ubuntu Pro subscription & licensing model

Ubuntu Pro offers up to 10 years of security maintenance for the entire Ubuntu Archive, including both Main and Universe repositories. With the Legacy add-on, this is extended an additional 5 years, giving you a 15 year security maintenance and support commitment.

Existing Ubuntu LTS systems can be upgraded in-place to Ubuntu Pro without redeployment, providing a streamlined process across large Ubuntu estates using a single command.

What you get with Ubuntu Pro (in addition to Ubuntu LTS):

- Up to 15 years of security maintenance
- Security updates for both Main and Universe
 - Thousands of additional packages covered
- Canonical enterprise support
 - Optional 24/7 SLA-backed support
 - Access to Canonical engineers
- Livepatch
 - Kernel security patches without reboot
- Compliance & hardening tooling
 - FIPS 140-2 / 140-3
 - Common Criteria (CC)
 - CIS hardening profiles
- Production assurance
 - CVE prioritization
 - Faster security response for high/critical issues

The following image highlights the key differences between Ubuntu Pro and Ubuntu Pro Infrastructure

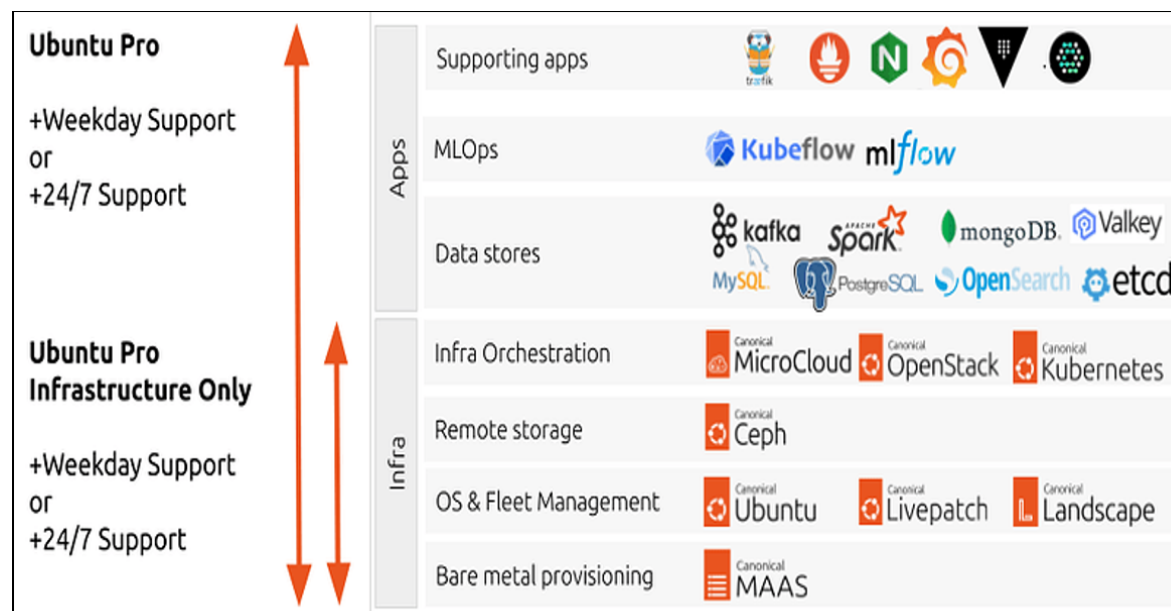


Figure 1. Key differences between Ubuntu Pro and Ubuntu Pro Infrastructure

Topics in this section:

- [How to order \(quick steps\)](#)

- [Canonical Ubuntu Part Numbers](#)

How to order (quick steps)

1. Identify deployment type (Physical or Virtual) and desired support level (Self-support, Weekday, or 24/7).
2. Select term (1, 2, 3, or 5 years) and instance type (Physical or Virtual).
3. Use the Canonical Ubuntu table to pick the correct LFO (Lenovo PN) and confirm the matching Vendor SKU.
4. If Ubuntu is part of a broader Lenovo Open Cloud Automation (LOCA) engagement, cross-reference the LOCA table for compatible items.
5. Quote via Lenovo DCSC and submit PO per standard process.

Canonical Ubuntu Part Numbers

The following table lists Ubuntu Pro, infrastructure only.

Table 1. Ubuntu Pro, Infrastructure only

GEO	Charge Metric	Product Name	Product Description	Lenovo SKU	Ubuntu SKU	Terms (Months)
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Physical 1 year Self supported	7S1B0001WW	CO4VF1902-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Physical 2 years Self supported	7S1B0002WW	CO4VF1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Physical 3 years Self supported	7S1B0003WW	CO4VF1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 1 year with Canonical weekday Support	7S1B0004WW	CO4VU1902-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 2 years with Canonical weekday Support	7S1B0005WW	CO4VU1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 3 years with Canonical weekday Support	7S1B0006WW	CO4VU1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 1 year with Canonical 24/7 Support	7S1B0007WW	CO4VK1902-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 2 years with Canonical 24/7 Support	7S1B0008WW	CO4VK1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 3 years with Canonical 24/7 Support	7S1B0009WW	CO4VK1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 1 year Self supported	7S1B000AWW	CO4WJ1902-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 2 years Self supported	7S1B000BWW	CO4WJ1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 3 years Self supported	7S1B000CWW	CO4WJ1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 1 year with Canonical weekday Support	7S1B000DWW	CO4WY1902-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 2 years with Canonical weekday Support	7S1B000EWW	CO4WY1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 3 years with Canonical weekday Support	7S1B000FWW	CO4WY1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 1 year with Canonical 24/7 Support	7S1B000GWW	CO4WO1902-1	12

GEO	Charge Metric	Product Name	Product Description	Lenovo SKU	Ubuntu SKU	Terms (Months)
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 2 years with Canonical 24/7 Support	7S1B000HWW	CO4WO1902-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 3 years with Canonical 24/7 Support	7S1B000JWW	CO4WO1902-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Physical 5 years Self supported	7S1B000KWW	CO4VF1902-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 5 years with Canonical weekday Support	7S1B000LWW	CO4VU1902-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only 5 years with Canonical 24/7 Support	7S1B000MWW	CO4VK1902-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 5 years Self supported	7S1B000NWW	CO4WJ1902-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 5 years with Canonical weekday Support	7S1B000PWW	CO4WY1902-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro Infrastructure only	Canonical Ubuntu Pro Infrastructure only, Virtual, 5 years with Canonical 24/7 Support	7S1B000QWW	CO4WO1902-5	60

Table 2. Ubuntu Pro

GEO	Charge Metric	Product Name	Product Description	Lenovo SKU	Ubuntu SKU	Terms (Months)
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Physical 1 year Self supported	7S1B000RWW	CXUF52007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Physical 2 years Self supported	7S1B000SWW	CXUF52007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Physical 3 years Self supported	7S1B000TWW	CXUF52007-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Physical 5 years Self supported	7S1B000UWW	CXUF52007-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 1 year with Canonical weekday Support	7S1B000VWW	CXUOO2007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 2 years with Canonical weekday Support	7S1B000WWW	CXUOO2007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 3 years with Canonical weekday Support	7S1B000XWW	CXUOO2007-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 5 years with Canonical weekday Support	7S1B000YWW	CXUOO2007-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 1 year with Canonical 24/7 Support	7S1B000ZWW	CXUON2007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 2 years with Canonical 24/7 Support	7S1B0010WW	CXUON2007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 3 years with Canonical 24/7 Support	7S1B0011WW	CXUON2007-3	36

GEO	Charge Metric	Product Name	Product Description	Lenovo SKU	Ubuntu SKU	Terms (Months)
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro 5 years with Canonical 24/7 Support	7S1B0012WW	CXUON2007-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 1 year Self supported	7S1B0013WW	CXUFA2007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 2 years Self supported	7S1B0014WW	CXUFA2007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 3 years Self supported	7S1B0015WW	CXUFA2007-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 5 years Self supported	7S1B0016WW	CXUFA2007-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 1 year with Canonical weekday Support	7S1B0017WW	CXUF12007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 2 years with Canonical weekday Support	7S1B0018WW	CXUF12007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 3 years with Canonical weekday Support	7S1B0019WW	CXUF12007-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 5 years with Canonical weekday Support	7S1B001AWW	CXUF12007-5	60
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 1 year with Canonical 24/7 Support	7S1B001BWW	CXUF02007-1	12
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 2 years with Canonical 24/7 Support	7S1B001CWW	CXUF02007-2	24
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 3 years with Canonical 24/7 Support	7S1B001DWW	CXUF02007-3	36
WW	Per-Instance Subscription	Canonical Ubuntu Pro	Canonical Ubuntu Pro Virtual, 5 years with Canonical 24/7 Support	7S1B001EWW	CXUF02007-5	60

Product notes:

- Choose ****Physical**** or ****Virtual**** Ubuntu Pro SKUs based on your deployment target (bare metal or hypervisor virtual machines).
- Weekday and 24/7 support SKUs cover Canonical support response windows; pricing and coverage vary by level.
- Where Vendor SKUs are listed, ensure LFO and Vendor SKU alignment during quoting to avoid order holds.
- Standard Support: Business hours support. Weekday Support: Five days per week business hours support. 24/7 Support.
- Continuous support availability. Ubuntu Pro – Virtual Instance Subscription is intended for virtualized environments.
- Ubuntu Pro – Physical Server Subscription is intended for virtualized environments.

Enterprise features included

Topics in this section:

- [Kernel Livepatch](#)
- [Compliance and hardening tools](#)
- [Centralized estate management: Landscape](#)
- [Minimal, OCI-compliant containers](#)

Kernel Livepatch

Livepatch offers a rebootless security patching automation to address high and critical kernel vulnerabilities that surface between scheduled maintenance windows. Avoid unexpected required reboots for machines requiring mission-critical uptime and maximum security. [Learn more](#) about Livepatch security.

The following image highlights Livepatch on-prem overview

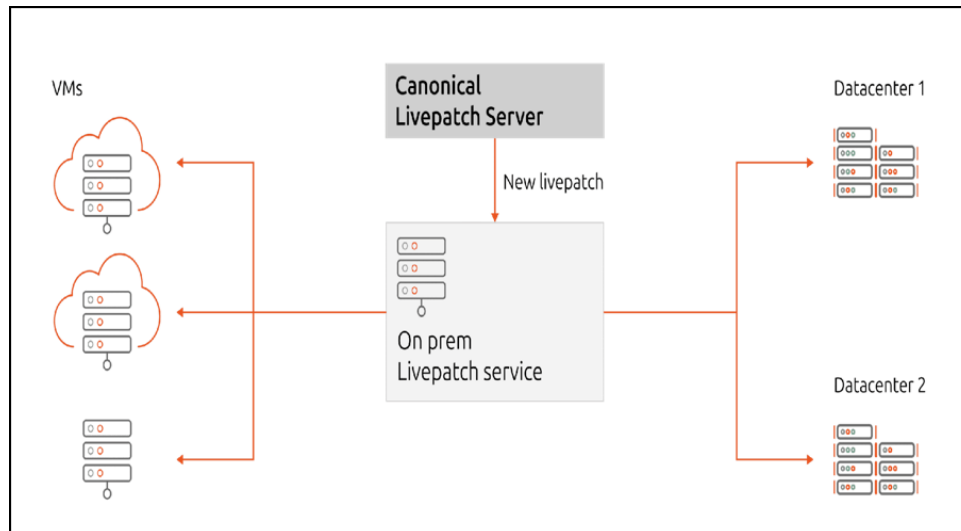
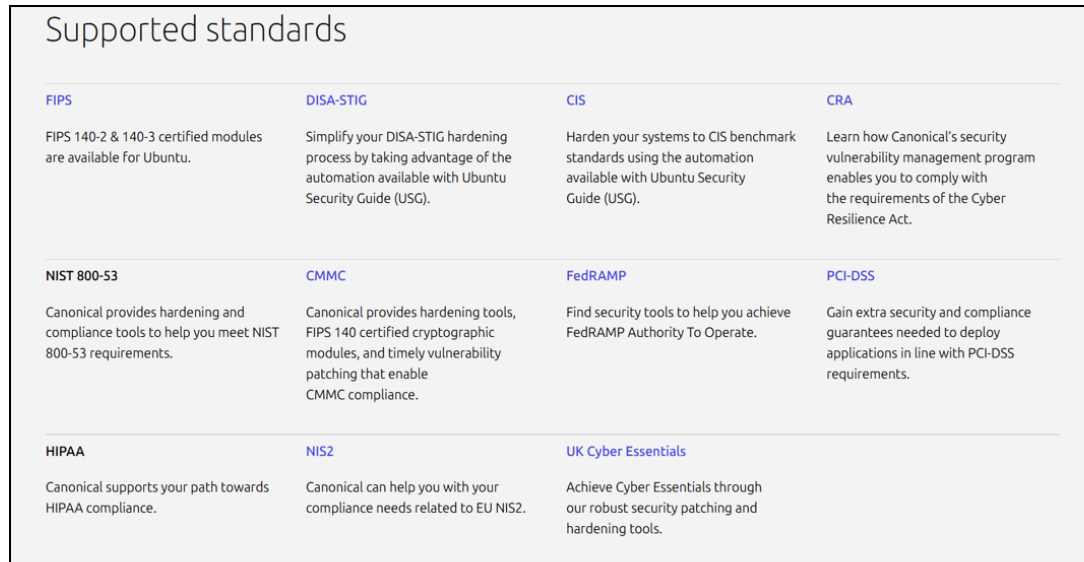


Figure 2. Livepatch on-prem overview

Compliance and hardening tools

Ubuntu Pro includes security hardening features to enable easy compliance with common regulatory frameworks including FIPS 140, DISA-STIG, CIS, FedRAMP, CMMC, PCI-DSS & Cyber Essentials. [Learn more](#) about supported security standards.

The following image highlights the supported standards



Supported standards			
FIPS FIPS 140-2 & 140-3 certified modules are available for Ubuntu.	DISA-STIG Simplify your DISA-STIG hardening process by taking advantage of the automation available with Ubuntu Security Guide (USG).	CIS Harden your systems to CIS benchmark standards using the automation available with Ubuntu Security Guide (USG).	CRA Learn how Canonical's security vulnerability management program enables you to comply with the requirements of the Cyber Resilience Act.
NIST 800-53 Canonical provides hardening and compliance tools to help you meet NIST 800-53 requirements.	CMMC Canonical provides hardening tools, FIPS 140 certified cryptographic modules, and timely vulnerability patching that enable CMMC compliance.	FedRAMP Find security tools to help you achieve FedRAMP Authority To Operate.	PCI-DSS Gain extra security and compliance guarantees needed to deploy applications in line with PCI-DSS requirements.
HIPAA Canonical supports your path towards HIPAA compliance.	NIS2 Canonical can help you with your compliance needs related to EU NIS2.	UK Cyber Essentials Achieve Cyber Essentials through our robust security patching and hardening tools.	

Figure 3. Supported standards

Centralized estate management: Landscape

Access to Landscape enables centralized administration for large Ubuntu estates. Manage at scale with staggered updates, asset inventory, hardening, and audit functions for data centers, workstations, and IoT devices. [Learn more](#) about Landscape.

Minimal, OCI-compliant containers

Chiseled images reduce footprint and quicken start-up, while Ubuntu Pro delivers CVE fixes and support for production-grade security. Additionally, with Container Build Service, Canonical offers custom container design and maintenance for an extra fee. [Learn more](#) about Canonical Containers.

Related publications and links

- OS Interoperability Guide (OSIG) - Ubuntu selection:
https://lenovopress.lenovo.com/osig#os_families=ubuntu-server&support=all&availability=available
- Canonical's infrastructure solutions:
<https://canonical.com/solutions/infrastructure>
- Canonical MicroCloud:
<https://canonical.com/microcloud>
- Canonical Documentation:
<https://documentation.ubuntu.com/microcloud/v2-edge/microcloud/>
- Kubernetes on Thinksystem for AI Development:
<https://lenovopress.lenovo.com/lp1415-canonical-charmed-kubernetes-on-thinksystem-for-ai-development>
- Canonical Partnersite with Lenovo:
<https://ubuntu.com/engage/lenovo-canonical-partnership-enterprise-solutions>

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