Manage your Ubuntu estate with Landscape

System administration at scale through a safe, consistent,
universal API for all versions of Ubuntu.

What is Landscape?

Landscape is a systems management tool designed to help you manage, monitor, secure, and inventory all aspects of your Ubuntu systems from a unified platform.

Landscape:

- is included in Ubuntu Pro

- provides system administration and security patching capabilities for Ubuntu at enterprise scale, via a web portal and API.

- streamlines a number of administrative tasks including management, automation, security hardening, compliance management, reporting, software distribution and more.

- offers a comprehensive view of Common Vulnerabilities and Exposures (CVEs) across your Ubuntu estate, helps prioritise and take action with phased upgrades by region, availability zones, or custom groupings.

Key benefits

System administrators' tasks typically span multiple systems and interfaces, which can present challenges. Landscape reduces these challenges and simplifies administrative tasks by serving as a centralised hub that unifies these operations.

For system administrators, security analysts, CISOs and more, Landscape provides an efficient systems management solution that can adapt to various organisational sizes, requirements, and complexities.

Reduce the cost of managing open source

Fragmented visibility is a source of inefficiency and costs increase. Landscape is a single pane of glass for managing any Ubuntu instances including system containers, virtual machines, and physical nodes - anywhere.

Over a decade of security patches

Landscape releases follow Ubuntu's schedule. Even year releases have long term support (LTS), and are security patched for just as long as Ubuntu LTS.

Seamless 3rd party integrations

Ubuntu and Landscape can integrate seamlessly into your existing tooling and infrastructure. Landscape's versioned API is ready for consumption by shell scripts, web applications, and more.

Unified orchestration, management, and patching

Landscape is responsible for machine inventory, software packages and repositories, policy and software profiles, running processes, scripting and automation, alerts and monitoring, users, and reporting.

Features for security, enforcement, and efficiency

Landscape maintains a comprehensive view of security for any version of any Ubuntu Pro instance. Landscape's reports help system administrators to identify and align machines suffering from patch drift or hardening misconfigurations. With Landscape, you control when updates are downloaded and installed, and from where.

Vulnerability Scanning

Automatic scanning of packages for vulnerable versions, and on-demand reporting for any cross-section of your Ubuntu estate.

Compliance at scale

Landscape is integrated with Canonical's product and service portfolio. Perform hardening and auditing with Ubuntu Security Guide (USG).

Repository Mirrors

Landscape distributes software packages by creating local mirrors and hosting private repositories. Daily repository snapshots eliminate patch drift.

Update control

Decide which packages and updates are allowed to be installed, and when, independently of their availability in configured repositories.

Register Ubuntu 24.04 LTS with Landscape using Pro Client

[Watch on YouTube >](#)

How does it work?

Client-server model

Landscape uses a client-server architecture, where a central Landscape Server manages an Ubuntu fleet. Automations for policies, reporting, patching, and administrative actions occur after Landscape Client reports its state to Landscape Server, and requests instructions from Landscape Server.

Landscape Client can be installed and configured through any provisioning solution, inclusive of autoinstall, Juju, Ansible, or custom images. Launch an interactive wizard to connect Landscape Client with Landscape Server with Pro Client:

```
$ pro enable landscape
```

Landscape Server can run on-premises or in public clouds, either as a self-hosted application, or as a Canonical Managed Application. Canonical's Managed Applications include uptime guarantees through a Service Level Agreement (SLA), and are security patched and upgraded by Canonical.

Landscape Server is also available through a software-as-a-service (SaaS) model. While self-hosted and Managed Landscape instances are single tenant, Landscape SaaS is a multi-tenant offering. Landscape SaaS accounts are available to anyone, to privately manage their Ubuntu fleet.

Landscape Client will be unable to communicate with a Landscape Server without Ubuntu Pro. With Ubuntu Pro, Landscape Client can be enrolled with one Landscape Server: on public cloud, Canonical's cloud, or on-premise.
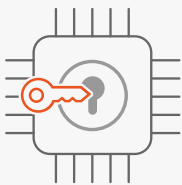
USG driven hardening

Canonical provides hardening tooling for Ubuntu through a command line utility called Ubuntu Security Guide (USG). USG can audit and harden systems in accord with policies adopted by your organisation. Hardening via USG is the only officially Canonical supported means of achieving CIS, DISA-STIG, and other compliance frameworks.
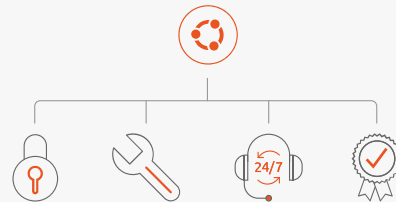
Intuitive out of the box, with clear documentation

Landscape's approach for system configuration is remote script execution. System administrators do not have to learn a declarative language, they can use any shell interpreter they are familiar with: Python, BASH, Zsh, Powershell, and more.

Everything that can be achieved through the dashboard can also be achieved through the API. Hobbyists and experts alike can get started with Landscape's robust and clear documentation.

Landscape's value proposition

1. Landscape's dashboard and API provides a means to identify problems, and take action to apply solutions.
2. Landscape keeps an Ubuntu estate organised. It can define policies for users, networks, machines, and software.
3. Landscape is also a preventive solution. Using Landscape mitigates and avoids problems in advance.
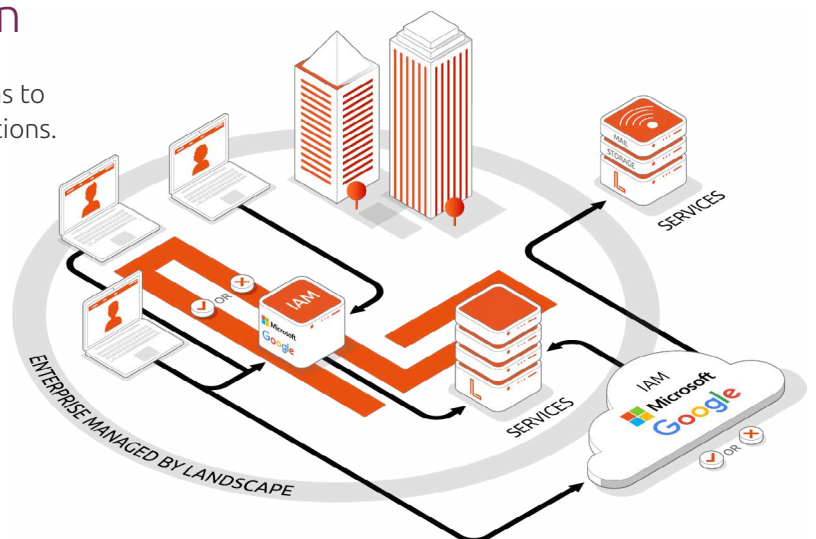
Common use cases

Hybrid- and multi-cloud environments

Landscape does not require low-latency connections between client and server. Landscape Server can be deployed anywhere, and it can manage Ubuntu machines anywhere in the world by exposing ports used by any common web application.

Airgapped environments

Landscape does not require an Internet connection to work. Landscape can be deployed at sea, in space, and anywhere in between.
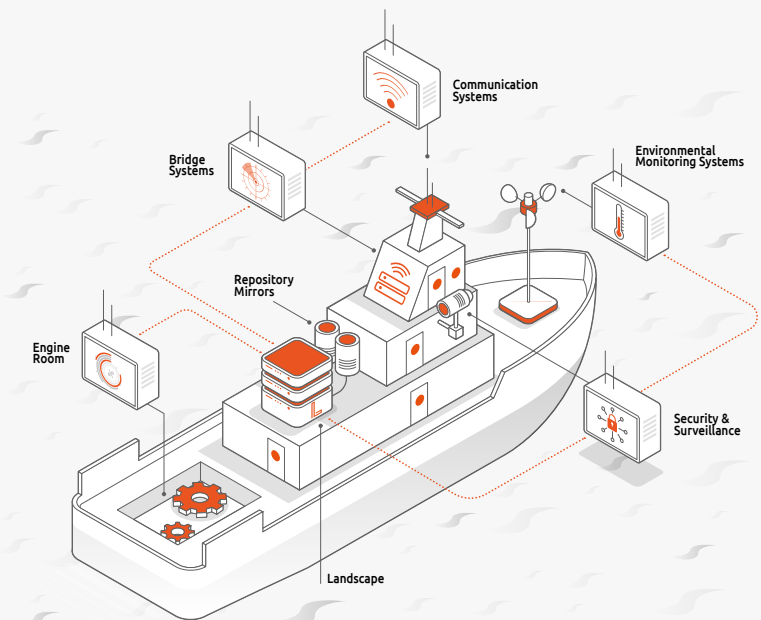
Support and compatibility windows

Landscape Server software must be installed on Ubuntu LTS. Landscape Client software may be installed on any Ubuntu, inclusive of Ubuntu interim releases, Ubuntu LTS releases, and Ubuntu Core. Both Ubuntu Server and Ubuntu Desktop editions can be managed through Landscape.

Landscape version numbers match Ubuntu version numbers, from April 2024 onwards. Landscape LTS will manage up to 3 previous Ubuntu LTS releases, and 2 future Ubuntu releases, inclusive of interim and LTS releases. Compatibility beyond this range to older and newer versions of Ubuntu is on a best-effort basis and is not guaranteed.

Just like Ubuntu, Landscape LTS is supported for 5 years from its release date, and is security patched for 10 years through Ubuntu Pro, and an additional 2 years through Ubuntu Pro Legacy. Landscape interim releases are supported for 6 months, and must be upgraded to the next release.

Get Started

Canonical offers professional consulting services to get you up and running with any type of Landscape deployment, as well as training to ensure your staff are ready to go live.

Landscape is included for all Ubuntu instances with Ubuntu Pro

```
$ pro enable landscape
```

If you wish to self-host Landscape Server, choose a quickstart journey that aligns with your interests or needs:

- Quickstart on bare metal
- Quickstart in LXD
- Quickstart on Google Cloud
- Quickstart FIPS hardened Landscape

Additional Services

Support offerings are available either on a 24/7/365 basis, or during business hours only.

Landscape is provided as a multi-tenant service without an SLA, on Canonical's cloud.

Landscape is provided as a service with an SLA as a Managed Application, either on-premises or in public clouds.

- Find out more about Landscape
- Find out more about Managed Landscape
- Compare Landscape Editions

Canonical