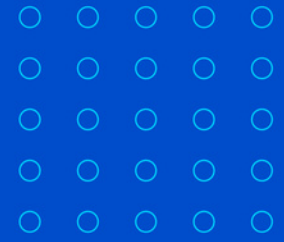


UNICON



The CIO Quickguide

# Improve TCO & Reach Sustainability Goals

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## Citrix on Ultra-Lightweight OS 5 Ways to Succeed



# Unlock the 5 ways to improve **TCO** and reach **sustainability** goals.

It's fair to assume most IT departments are tasked with reducing Total Cost of Ownership (TCO) across hardware, software, and personnel.

Additionally, new regulations mandate a shift towards sustainability – not merely as a preference, but with specific, measurable targets that must be achieved and documented.

In response, many organizations are adopting a Virtual Desktop Infrastruc-

ture (VDI) strategy and choosing solutions like Citrix.

However, Citrix is just the starting point. There's much more potential to be unlocked.

**This quickguide reveals five strategies to enhance your Citrix solution, further improving TCO and helping you meet your sustainability objectives.**



# Go Ultra-light

Success hinges on choosing the right endpoint operating system – one that's not just light, but ultra-light.

Opting for an ultra-lightweight, Linux-based endpoint operating system can significantly amplify the advantages of VDI (Virtual Desktop Infrastructure) and DaaS (Desktop as a Service) solutions.

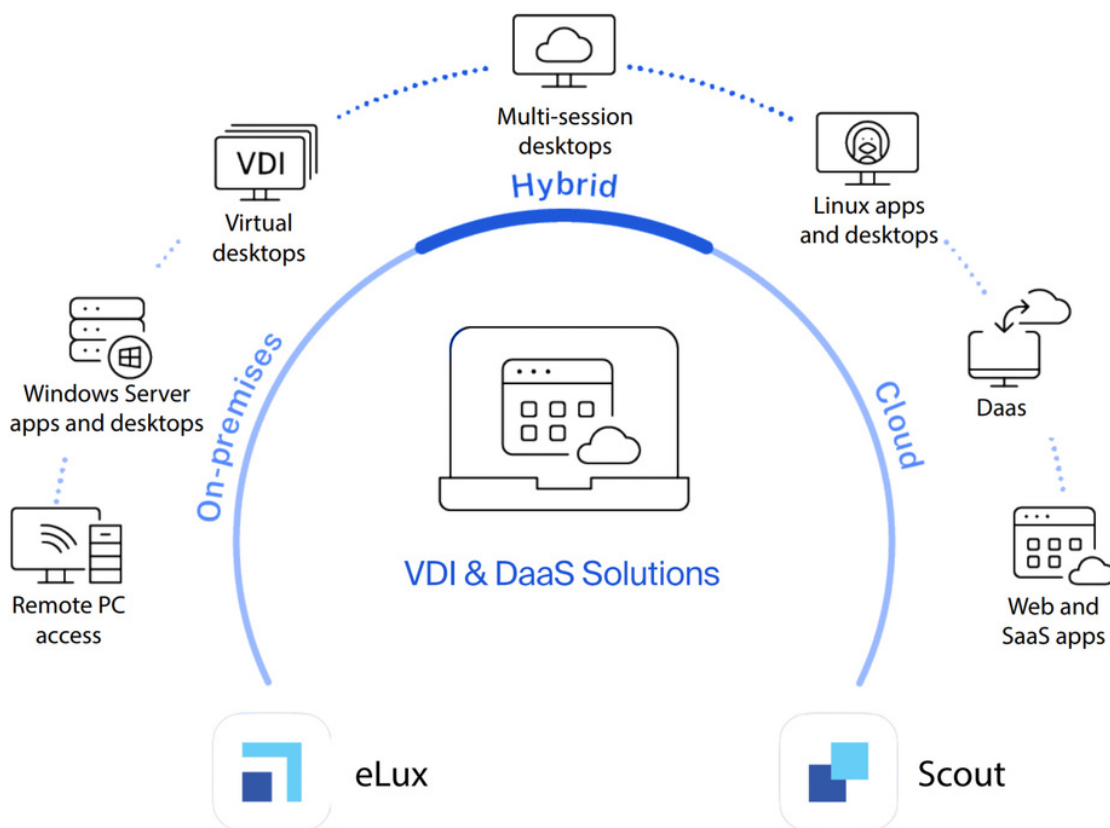
Why is this critical?

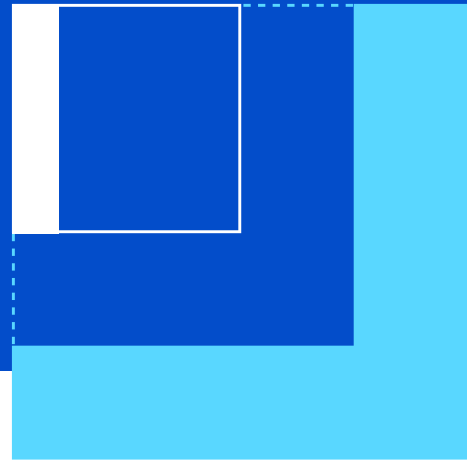
A secure, efficient endpoint operating system that demands minimal computing power elevates the effectiveness of VDI and DaaS, bringing unprecedented levels of performance and security.

Many organizations, despite utilizing Citrix, face challenges such as resource-intensive endpoint systems, spiraling hardware upgrade costs and complex management requirements.

Add to that the potential security vulnerabilities and inconsistent user experience. These issues can negate some of the key benefits of VDI and DaaS implementations.

In contrast, an ultra-lightweight endpoint operating system, such as eLux, can enhance your virtual desktop strategy, **unlocking five crucial ways to improve Total Cost of Ownership (TCO) and achieve sustainability goals.**





# 01

## Strategy number 1

# Repurpose older PC's

Oh, those hardware costs! CIOs always need to find ways to modernize and update existing infrastructure while maintaining day-to-day productivity and controlling operational costs.

No simple task.

But try to visualize a solution that can extend the life of older hardware, thereby lowering your total cost of ownership. You might save as much as 35% on hardware cost!

How is that even possible? We already touched on this. Because these OSs are less resource-intensive, they can run on older hardware.

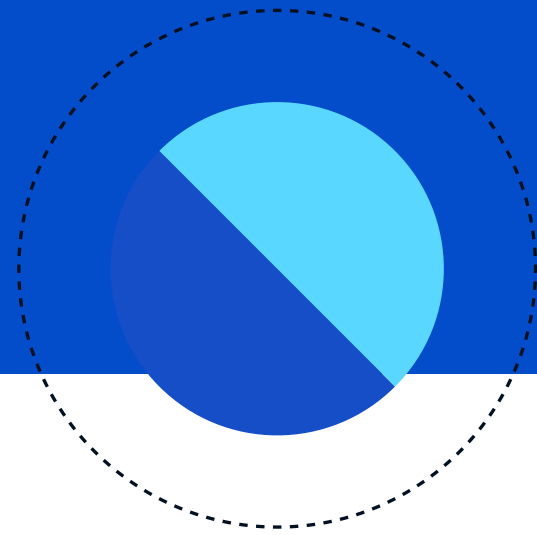
This extends the hardware's useful life and delays the need for costly upgrades.

You might even visit the warehouse to dust off and repurpose older pcs and scale without cost- and time-consuming hardware investments.

They will work just fine with a light-weight endpoint operating system and provide an excellent user experience even with applications such as Zoom, Teams and similar.

A very direct and tangible way of reducing cost.





Strategy number 2

# Sustainability and Green IT

02

Sustainability is all over the agenda. Environmental concerns and implementing sustainable IT practices is on the agenda of most business. We need to be greener, so why not extend the life of your pc's by 1-3 years or more?

Computer hardware has a huge carbon footprint and requires a lot of energy and raw materials to produce. You are obviously under obligation and maybe even scrutiny to improve this.

An ultra light-weight, Linux-based endpoint operating system that requires much less computational power, thereby allowing organizations to extend the life hardware without compromising the end user experience is obviously something to consider.

This reduces electronic waste and lowers the frequency of hardware upgrades. That's green.

# Scale and manage in a cost-efficient manner

Growth is great, but potentially costly from the point of view of a CIO. Ways to scale end-point infrastructures in a cost-efficient manner becomes a major requirement.

Easier said than done.

However, forget about patch Tuesday.

A lightweight Linux-based systems requires minimal setup and can be deployed quickly, enabling organizations to adapt swiftly to changing needs.

Endpoint management is suddenly easy with automated provisioning and configuration. This makes it easier to maintain and update as well as bringing new endpoints online as your network grows.

The same for the need to provide secure access to their remote, distributed, mobile workforce.

On top of that you might find that the simplicity and lower resource needs, means less time spent on maintenance and troubleshooting will free

up IT resources for more strategic growth-oriented tasks.

The need for end user support obviously increases as the organization grows and along with that the resources required.

There is a trick, however.

Deploy a consistent employee experience through virtual desktops and digital workspaces.

In fact, the smooth user experience, hassle-free updates, no issues with video-calls along with the absence of lags and other disruptions might rank as the top benefit of an ultra-lightweight endpoint operating system.

A benefit that can easily be translated into cost-reductions.

Generally, fewer complexities and vulnerabilities, a lightweight Linux-based OS often requires less frequent and faster maintenance, reducing labour costs for IT staff.



## Strategy number 4

# Save energy

# 04

This is a double whammy. You not only reduce cost, but you also reduce the potential effect on the environment.

Lightweight OSs generally consume less power, reducing electricity costs over time, which is especially impactful in large-scale deployments, where the cumulative effect of decreased power use translates into considerable savings on electricity bills.

Furthermore, generating electricity by burning fossil fuels causes a large chunk of global emissions and by diminishing energy demand, these efficient operating systems contribute to reducing greenhouse gas emissions, thereby supporting corporate sustainability goals.

This approach not only aligns with financial objectives but also with increasing global emphasis on environmental responsibility.

Casestory - The Rhineland-Palatinate State Tax Office

# €3.2 Million saved in 3 years!

The strategy was in part to get rid of fat clients and repurpose older pc with eLux Ultra light-weight Endpoint systems. In total, the accumulated savings after three years amounted to €3,203,333.

[Read case](#)

Strategy number 5

## Licensing



Many Linux-based OSs have low-cost licenses compared to other popular operating systems, which often come with hefty license fees and recurring costs. Especially when deployed across a large number of devices within an organization.

One such example is obviously Microsoft Windows, which not only adds to the cost but also complexity of the infrastructure and user experience.

Furthermore, the inherent security features of Linux reduce the necessity for additional anti-virus software.

Linux systems are designed with robust security measures that limit the risk of malware and viruses, which is a common concern with other operating systems.

This inherent security not only enhances the system's safety but also eliminates the need for purchasing separate anti-virus licenses.

Such licenses can obviously represent a sizable, recurring investment, particularly when required for each endpoint in a large-scale deployment.





## Bonus

# Slim down and lose the fat – especially if your endpoints are on Windows 10.

Windows 10 will reach end of support on October 14th, 2025 and the current version 22H2 will be the final version of Windows 10 – and you might not be able to upgrade to Windows 11.

That is obviously a concern, but certainly also an opportunity. Windows is a fat resource intensive client and might not be the ideal choice of operating system. Especially if you are looking for some the 5 ways to improve TCO and reach your sustainability goals as mentioned in this Quickguide.

So, this might be a good time to re-think your Endpoint OS. Especially if you are running Virtual Desktop Infrastructure like Citrix.

Unicon has prepared an OnDemand Webinar that sheds some light on the issue and how you can resolve it.

Click below to join the webinar: “Windows 10 EOL – How to prepare for Windows End of Life”

[Watch webinar](#)

# Unlock the 5 ways to improve TCO and reach your sustainability goals

## The answer is eLux from Unicon.

eLux is an ultra light-weight, hardware agnostic, highly secure x86 end-point operating system. eLux is ideal for VDI, DaaS, Web Apps (browser) via any endpoint.

Also, eLux enables IT departments in delivering a consistent employee experience securely on a day-to-day basis.

Companies that pursue this strategy includes:

**SIEMENS**

**REWE**

**DB**

**gkv informatik**  
unternehmen synergien

 thyssenkrupp

**MediaMarkt**

 **EVONIK**  
Leading Beyond Chemistry

 **finanz informatik**

# Want to know more?

[Book demo](#)

[Read more](#)

## About Unicon and eLux®

eLux® is an ultra light-weight, Linux-based, hardware agnostic, highly secure x86 end-point operating system purpose-built to help companies scale, and secure their end-user computing in complex VDI, DaaS environments. Endpoint Management is easy with Scout® that allows you to configure and update all clients on one platform. Simple, even with thousands of users and you are sure to adhere to even the highest security standards.

Unicon solutions are best suited for VDI, DaaS use cases comprising of end-point devices such as thin clients, laptops and desktop PCs. These solutions are ideal for enabling companies to deliver remote work, bring your own device (BYOD) and flexible end user computing scenarios. Companies in banking, insurance, public sector, and retail verticals can make use of Unicon solutions to ensure secure data access – anytime, anywhere.

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