UNPACKING THE COST OF DOING NOTHING

VALUE PROPOSITION

Continuing to operate your IT in a conventional manner may be a case of 'if it ain't broke, don't fix it'. The cost of innovation can seem high, and the payoffs hard to calculate. But you know there are risks, and to mitigate these, Droplet allows for a middle ground, where you keep your legacy apps running with greatly reduced risk. And innovate in a cloud-friendly, cost-effective way.

SECURITY

What are the security implications of doing nothing?

Running legacy apps in a conventional VM environment requires complex management and firewalling. Even then, it may be hard to remain 100% secure. You are still vulnerable to zero-day and ransomware attacks, because these apps have all the features and vulnerabilities of the machine they are running on.

Droplet containers are sandboxed and built according to the NeverTrust™ model, which blocks all inbound and all but the necessary outbound traffic

COMPLIANCE

Organisations often feel pressured to upgrade their systems, which could mean compromising on software purchases. If you are developing your own applications, you need to be able to deploy safely and securely.

Droplet applications are not dependent on their native OS and work as if they are native to the host OS. Droplet software helps achieve regulatory compliance like Cyber Essentials Plus and NIST.
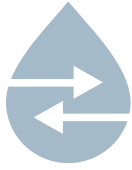
COMPATIBILITY & RELIABILITY

Upgrading operating systems can break legacy software dependencies, so the temptation is to keep an EOL operating system going for the sake of a critical application. Apart from the security risks, lack of support for legacy systems may end up costing you time and money when the underlying OS runs into problems.

Droplet applications are containerised to include the libraries and dependencies they need, while interfacing directly with the user's device when required. This means you could run a 32-bit Windows application on a MacBook Pro. (Read our case study of the Oxford University Social Sciences Division that continues to use its bespoke analytical software on modern devices.)

FLEXIBILITY

- Enable BYOD in your organisation with peace of mind and ease of use.
- Legacy apps run just as wellas when they are installed on their native OS (if not better).
- Mobility: No need for a cloud connection as once the app is installed on a device, it runs like a native app.
- Simplified IT: Script once, run anywhere.

BUDGET

Other solutions charge on a per-app basis, plus OS licensing. Droplet's simplified licensing can save at least six figures for application deployment, compared with traditional VDI.

Droplet also saves on downtime due to a virtualised, containerised system that doesn't depend on specific hardware. Reduced demands on infrastructure, including storage and compute, could also extend the life and value of your server infrastructure.

OTHER NOTABLE BUSINESS BENEFITS

1. **Efficiency:** Containers use all available resources, and they minimise overheads.

2. **Improved security and stability:** Containers are isolated from one another. Even if the security of one container is compromised, or the application crashes, other containers on the same host remain secure.

3. **Agility:** Containers can be rapidly created and deployed to any OS/environment.

4. **Faster app start-up:** As containers don't rely on a hypervisor or virtualised operating system to access computing resources, start-up times are virtually instantaneous.

5. **Easier management:** Containerisation offers a variety of tools that simplify container management, like rollbacks and upgrades, as part of the platform.

6. **Flexible:** Containerisation offers the versatility to operate in either a virtualised or bare-metal environment.