

Five Ways to Regain Cloud Control

Without Sacrificing Performance

How Turbonomic helps you navigate towards cost savings of 30-50% and an optimised cloud



With public cloud adoption in the UK so widespread that Ofcom is currently conducting research into the market share of hyperscalers¹ it isn't an exaggeration to say organisations of all sizes have rushed to place as many workloads as possible in public cloud.

And, as IT and DevOps teams enjoyed the freedom to build without limits, finance departments found themselves experiencing bill shock where spiralling costs could not easily be accounted for – or contained.

Today, we're helping organisations chart their path towards a cloud destination that's optimised for performance and fine-tuned to reduce cost.



30% used, 100% billed

Organisations often use only 30-40% of the cloud capacity they're paying for

So how do you keep your infrastructure flying high without burning through budget? At Integres, we've invested in helping our customers take off with Turbonomic – and it's not only bringing cloud back within their control; it's enabling them to optimise their environments at workload level.

We like to think of it as your trusted autopilot – one that keeps you on course but where you remain in control. Here's five ways in which Turbonomic can help you achieve an optimal cloud environment.

¹ <https://www.ofcom.org.uk/news-centre/2022/ofcom-to-probe-cloud,-messenger-and-smart-device-markets>

1

Check your instruments


Every workload is different – and must be treated as such. Variables such as sovereignty, criticality, value, and business impact must be considered before making a move.

At the same time, the array of pricing and functionality permutations from public cloud hyperscalers are impossible for an individual to calculate and monitor in real-time. The focus on flexibility has led to infinite possibilities – where it's impossible to make decisions that feel well informed.

Turbonomic's unique capability makes it possible to overcome this issue and gives you the power to assess individual workloads against a variety (and combination) of public, private and on premises clouds to decide what will deliver the optimal environment.



**Cost savings of 30–50% achieved
by scaling existing VM environment
and removing on-demand costs***



**Savings of c.30% achieved
by optimising existing public
cloud environments***

2

Set your parameters

When it comes to performance and cost, different applications and workloads require different tolerances. And these must be set by the business. Whilst security and availability are cornerstones of any infrastructure, it's hugely beneficial to your business when additional parameters around performance and cost can be applied per workload. This allows you to accurately prioritise how each instance is treated in line with what the business deems acceptable.

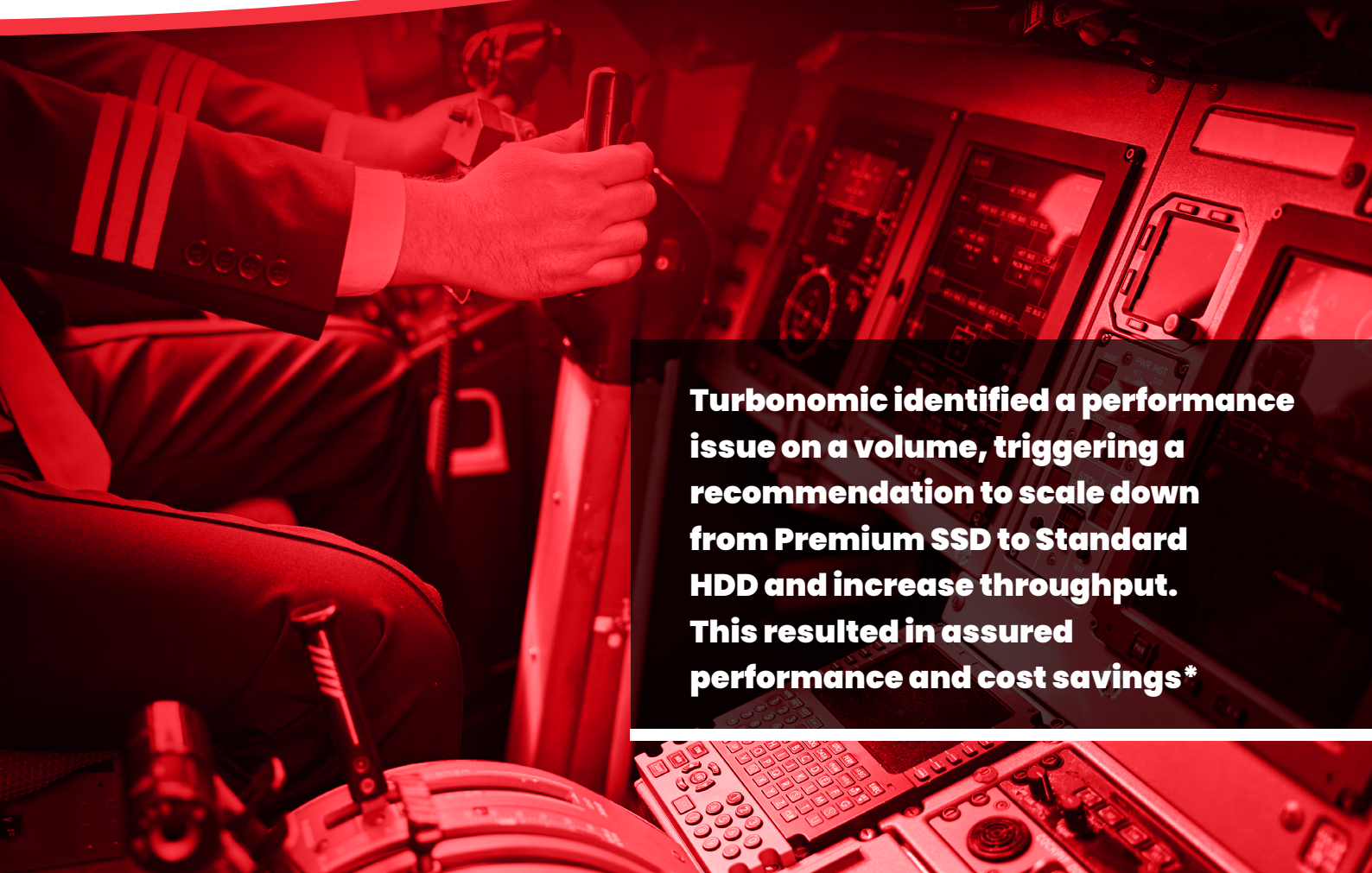
Turbonomic allows your team to set the boundaries of 'what good looks like' across your entire application topology and uses these to query all possible options before giving you actions to optimise your cloud workloads.

3

Take the controls

Alongside budgetary implications, public cloud bills that cannot be adequately justified or explained can make you feel like your infrastructure is out of control. By introducing Turbonomic, your team is presented with information that puts them firmly in charge whilst also protecting against human biases related to behaviour that seems counter-intuitive.

For example, it may technically and commercially suit a workload to shift to spinning disks from a solid-state drive but instinctively we feel it is a backwards step. Turbonomic overcomes this challenge by giving you specific actions supported by metrics that give your team the confidence to act. In addition to real-time actions, you can also simulate changes with powerful “What-if” planning capabilities.



Turbonomic identified a performance issue on a volume, triggering a recommendation to scale down from Premium SSD to Standard HDD and increase throughput. This resulted in assured performance and cost savings*



Save more than 30% in CO2 emissions by following right-sizing recommendations*

4

Reduce carbon emissions

While cloud infrastructure optimisation and cost saving sit firmly at the core of what Turbonomic has to offer, it additionally contributes to your sustainability posture – without having to “switch things off”. In reducing the amount of capacity required and ensuring that cloud environments run as efficiently as possible, the amount of energy and cooling required is significantly reduced.

5

Take a test flight

At Integres, we're dedicated to helping organisations understand precisely where and how they can optimise their cloud infrastructure via complimentary services including introductory demos, Proof of Value (POV) engagements and Business Impact Reports.

The results that you see throughout this article are taken from a recent Business Impact Report which details the outputs of a POV exercise delivered for an organisation with more than 2,500 VMs / workloads discovered across a public multi-cloud environment. Agentless, free of charge, and with full visibility of the results, it's the perfect way for you to take a test flight.



Ready to find out more?

Email turbonomic@explore-ibm.co.uk

About Integres Software Solutions

We are a leading data management and cloud technology specialist focused on helping customers achieve more with less. We are proud to be an IBM Gold Business Partner.

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