

hyperglance

Is Your Cloud a Black Box?

What's hiding inside?
What misconfigurations?
What unused capabilities?
What unseen risks?

Every organization needs an MRI for its cloud architecture. Here's why.

hyperglance.com



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Cloud deployment is easy. Maybe too easy.

Let's face it: every company, no matter the industry, is a *digital organization*. Data is its lifeblood, the tissue connecting virtually every business process. That's why data infrastructure, preservation, and protection are mission-critical — and why cloud professionals have such an outsized role to play in every business's success.

To handle the daily ocean of data, most organizations have “graduated” from on-premises facilities to the cloud — lured by the immediacies and economies of scale offered by the two main cloud platforms. Some select a single cloud provider as their cloud strategy. Others cherry-pick and connect the services they need from diverse providers, for a variety of reasons — to maintain strategic flexibility, or as a hedge against vendor lock-in, crippling outages, or exposure to damaging breaches.

Cloud technology delivers astonishingly well on capacity, scalability, and ease-of-use. But on dashboards and actionable insights... not so much. Sooner or later, every company learns that what you spin up in the cloud can easily spin out of control. And unfortunately, the consequences — in cost, compliance, and security issues — don't usually surface until later.

Hyperglance: Like an MRI for your cloud

Maybe you've inherited a cloud or multi-cloud environment — or you just want to do an inventory spot-check of a single virtual private cloud (VPC) or virtual network (VNet). Maybe concerns about creeping costs are coming down from on high. Maybe you or a competitor has suffered a breach. Or your CISO wants an update about your cloud security posture.

Whatever the circumstance, it's probably time to take a deep look at your environment, and ask a few fundamental questions: *What exactly is inside our cloud architecture? How (and how well) are our applications connected — and what are their security boundaries? How exposed are our cloud resources? And what is all of this actually costing us?*

If you opt for a trial with Hyperglance, your first point of entry will likely be an eye-opening **diagram on steroids** — an intuitive, interactive visualization of every dimension and every relationship within your cloud architecture, from AWS and Azure to Kubernetes.

It's a fantastic place to start. Yet for all its power and visual appeal, that diagram is only the tip of the iceberg. **The instant your data is ingested, comes the Big Reveal.**

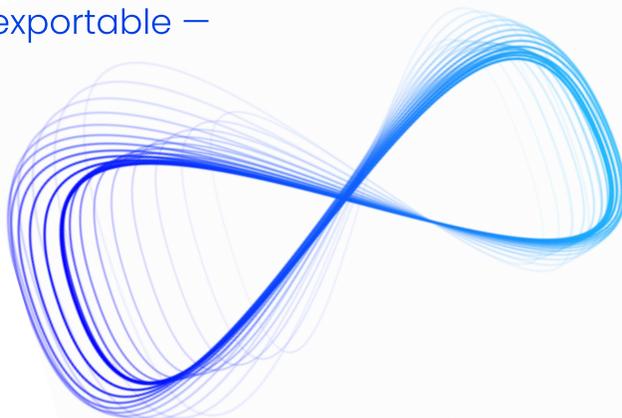
You'll see all the meters that are running — including places where you're needlessly spending money. You'll identify orphaned and misconfigured resources and other structural inefficiencies. You'll locate blind spots — vulnerabilities and compliance issues of which you weren't even aware. You'll get red-flag warnings for critical issues, like S3 buckets you didn't realize were public... virtual machines with no security perimeter... potentially dangerous policy breaches, and much more.

What you spin up
can easily spin out
of control.

Pinpoint where
you're needlessly
spending money.

Demo Now

Point and click. Tab and click again. Your entire architecture comes into view, visualized exactly the way you want. Scalable, flexible, exportable — and secure.



Costs: What you don't know (or see) can hurt you

On-prem systems had the benefit of *presence*: you could see what you had and keep track of it in-house. There was zero risk of “accidentally” buying and installing a physical server in your shop... and then forgetting it existed. Individuals couldn't just order up their own hardware and apps without requisitions. ROIs, costs, and security were (generally) easier to keep a handle on.

Today, you could give everyone their own private cloud, let them spin up their own VMs — and then have them forget to secure or turn them off when they stop work. (Not unlike leaving the lights and air conditioning on, the windows open, and the door unlocked overnight and on weekends.)

Because cloud costs are almost always seen in the rear-view mirror, they're very hard to pin down — a constant pain point for companies, regardless of size. There's a tangle of reasons for that, but they can be summarized in one word: *opacity*.

Let's face it: It's hard to reverse-engineer an already-confusing monthly cloud bill when you're not even 100% clear yourself what's been spun up, where it lives, or whether it's even being utilized. The longer those costs stay hidden, the heavier the lift to get them under control — and the greater the risk in not doing so.

Hyperglance will ingest a master billing account and start analyzing how much you've been spending, how much you're currently spending, and your spending trend lines — drilling down even to the individual resource level — so you can quickly zero in on the biggest offenders to your bottom line. Meanwhile, built-in rules can surface misspent costs — for instance, deadweight expenses like EBS or RDS snapshots, or unassigned public IP addresses, which can add up to thousands of dollars in recurring, unnecessary charges.

The longer costs stay hidden, the heavier the lift to get them under control.

Rightsize what's wrongsized

Beyond basic cost transparency, here are some crucial questions you should consider to minimize your cloud expense.

Are your CPU workloads massively over- or under-provisioned?

Are your Kubernetes ReplicaSets sized properly? Do you have more replicas spinning than you need?

You've already paid for your discounted reserved instances: Are they matching your actual use? Are some of them sitting idle for days on end?

Are you paying for VMs on a pay-as-you-go basis, yet keeping them constantly running?

Do you have tooling that could alert you to these issues — and, if needed, take action for you?

Hyperglance can show you the whole costing signal path — from your container through your Kubernetes cluster onto the host platform — enabling you to take a more holistic and strategic approach to your cloud architecture.

It can also reveal where too much capacity is going to your VMs and recommend ways to reconfigure your machines, rightsize your environment, and optimize your workload — potentially freeing up a significant percentage of your spend.

These kinds of structural and cost issues are hardly unusual. After all, when building your environment, your first focus was probably ensuring adequate load capacity for the intended purpose. It can take several months or even years of real-world usage before the cost/benefit equation becomes clear. That doesn't mean doing so shouldn't be a regular part of your cloud management.

Here's the great news: most organizations can downsize without impacting performance in any way. All it takes is the right insight and the right tool.

Whether it's cost, compliance, audit, or security, complexity and opacity can spell trouble.

Hyperglance gives you the full picture in a clear, clickable, configurable visualization.

Kubernetes is scalable, popular and practical, especially in a multi-cloud situation.

But things can get complicated (and expensive) fast if you don't have a firm grip on where your containers are, how they're resourced, and what you're actually paying for.

Compliance and security aren't a snapshot-in-time thing. They're an all-the-time thing.

Security breakdowns aren't always caused by intentional breaches. More insidious are the unforced errors.

According to [Gartner](#), nearly all successful attacks on cloud services are due to customer misconfiguration, mismanagement, and mistakes — issues like improper access controls, default settings, or other oversights. Classic example: The organization that intended to use their S3 buckets only for backups — but suffered an embarrassing loss of highly sensitive documents because they forgot to verify their authentication permissions. **It can happen to anyone.**

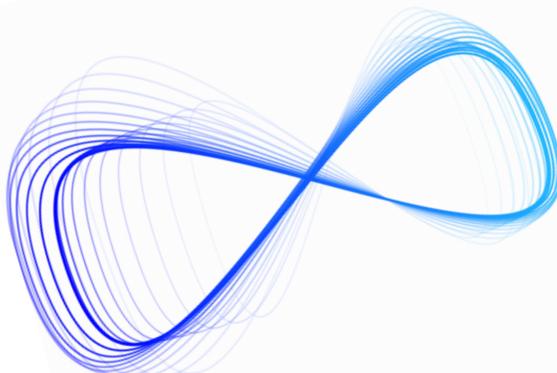
To navigate the ocean of security risks, your cloud security posture management (CSPM) tool must meet all compliance standards, flag compliance violations, and address security threats — in real time. It also has to demonstrate a minimum level of monitoring in a compliance audit.

As a cloud security professional, your life isn't made any easier by AWS and Azure's web interfaces, which aren't as intuitive as they could be. The information you really need is often compartmentalized (security/firewalls over here... instances there... costs over there), hard to see, and hard to navigate. And unfortunately, the mission-critical information — visualizing the *relationships* between these silos of information — generally requires the user to do 90% of the work.

In a critical incident-response situation, that's a big problem. It's hard to contain the blast radius when you don't have a clear picture of the wiring between security groups, instances, and rules.

Hyperglance pulls in your AWS and/or Azure inventory and Kubernetes clusters, and creates a combined diagram to show all your assets — and all your connections and dependencies — all at once. It will also surface an actionable list of cloud compliance insights based on industry best practices and frameworks, which are fully customizable at any time — helping you comply with crucial security and compliance frameworks, including AWS Well-Architected, Azure Security Benchmark, NIST 800-53, NIST 800-171, HIPAA, CIS, FedRAMP, PCI DSS, and many more.

Best of all, Hyperglance runs inside your VPC/VNet so there's no external access or calling home: You own and control your data at all times.



Hard to contain a blast radius when you don't know how your system is wired.

Reveal. Remediate. Automate.

You've figured out your issues. Now how do you keep them from recurring?

Cloud automation is no doubt at the forefront of many a DevOps engineer's mind. But how do you apply that methodology retroactively — or even worse, if there are many resources provisioned on a regular basis through ClickOps?

It quickly becomes evident that solving the problem as a one-off would only lead to a recurrence down the road. What's needed is an *automated remediation tool* that can clean and enforce, with both immediate and long-term benefits such as:

- Deleting resources to save money
- Enforcing company tagging policies
- Protecting against insecure configurations (e.g., automatically closing security groups that are too open)

What's more, automation is fast becoming an essential CSPM/compliance strategy.

Cloud management shouldn't involve guesswork. It also shouldn't eat up your valuable person-hours. **Hyperglance ships with solutions designed to help you enforce cost, security, and compliance policies — automatically, in real time.**

Cut your spend, strengthen your security — and take control of your cloud.

The cloud architect is the first line of design and often the first line of defense. But it's a lot to ask the person building the environment to build in cost controls and advanced compliance monitoring as well, from the start — especially considering the ever-changing risk ecosystem.

Being proactive means looking at the longer view and deeper, more sustainable benefits. It means moving from the short-term, fix-it-quick reality that characterizes the day-to-day life of the busy cloud professional... to one of end-to-end cloud management. With your costs, your data, and all your applications under your complete control.

In a world where data is the new currency, there's no room for silos. **From cloud architect to FinOps to CISO to C-Suite to board, cloud governance is everyone's business.**

See how advanced automation can uncover issues and surface solutions — quickly and cost-effectively.

Automation is fast becoming an essential compliance strategy.

All the diagrams, all the dependencies, All at once.

hyperglance: Insights Visualized Into Action

-  **The whole picture, in a single click.** Hyperglance aggregates all your account, subscription, and cluster data — AWS, Azure, and Kubernetes — into a single searchable inventory, giving you a powerful, interactive view of your architecture and dependencies in one-click diagrams. And all those diagrams are freely exportable.
-  **Sophisticated, effortless cost control.** Hyperglance's powerful cost explorer scans your entire inventory and aggregates all your account and subscription expenses in one place. Your FinOps will love the actionable cost insights and automations designed to help you squeeze out every drop of waste — while optimizing your resources, capacities, and workload structure.
-  **Continuous compliance and cybersecurity.** Hyperglance helps improve your cloud security posture — and uncover risks and vulnerabilities like misconfigurations and policy breaches — with continuous monitoring, using hundreds of built-in checks based on key compliance and cybersecurity frameworks.
-  **Secure by design: We don't see or touch your data. Ever.** Hyperglance is not a SaaS. It's an image-based, self-hosted product that runs inside your environment. Deploy Hyperglance in your own VPC/VNet via the AWS or Azure Marketplaces, or directly from Hyperglance: the choice is yours. No matter the model you choose, you are deploying Hyperglance as your own instance/VM. Also, SAML enables oversight and sophisticated SSO access across hundreds of people and applications.
-  **Designed by cloud engineers for cloud engineers.** Hyperglance is designed from the ground up, at the intersection of DevOps, FinOps, and InfoSec — enabling cloud engineers and architects to deliver insights at speed for internal stakeholders across multi-cloud environments.



Rules-based remediation and actionable insights. Codeless solutions automatically enforce your cost, security, and compliance policies — with false positives minimized.



Agnostic and agentless. Deploy the platform into Azure, AWS, or both — and collect and share data from either as needed.



Flexible (and helpful). Integrate single or multiple clouds — in whole or à la carte — as needed. We support you every step of the way.



You-friendly. We consolidate information from the sometimes difficult-to-navigate big cloud platform UIs into a clear, easy-to-read diagram.



Punch above your weight. Solve multiple cost issues and security exposures before they become disasters. All at once, all in one powerful package.

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