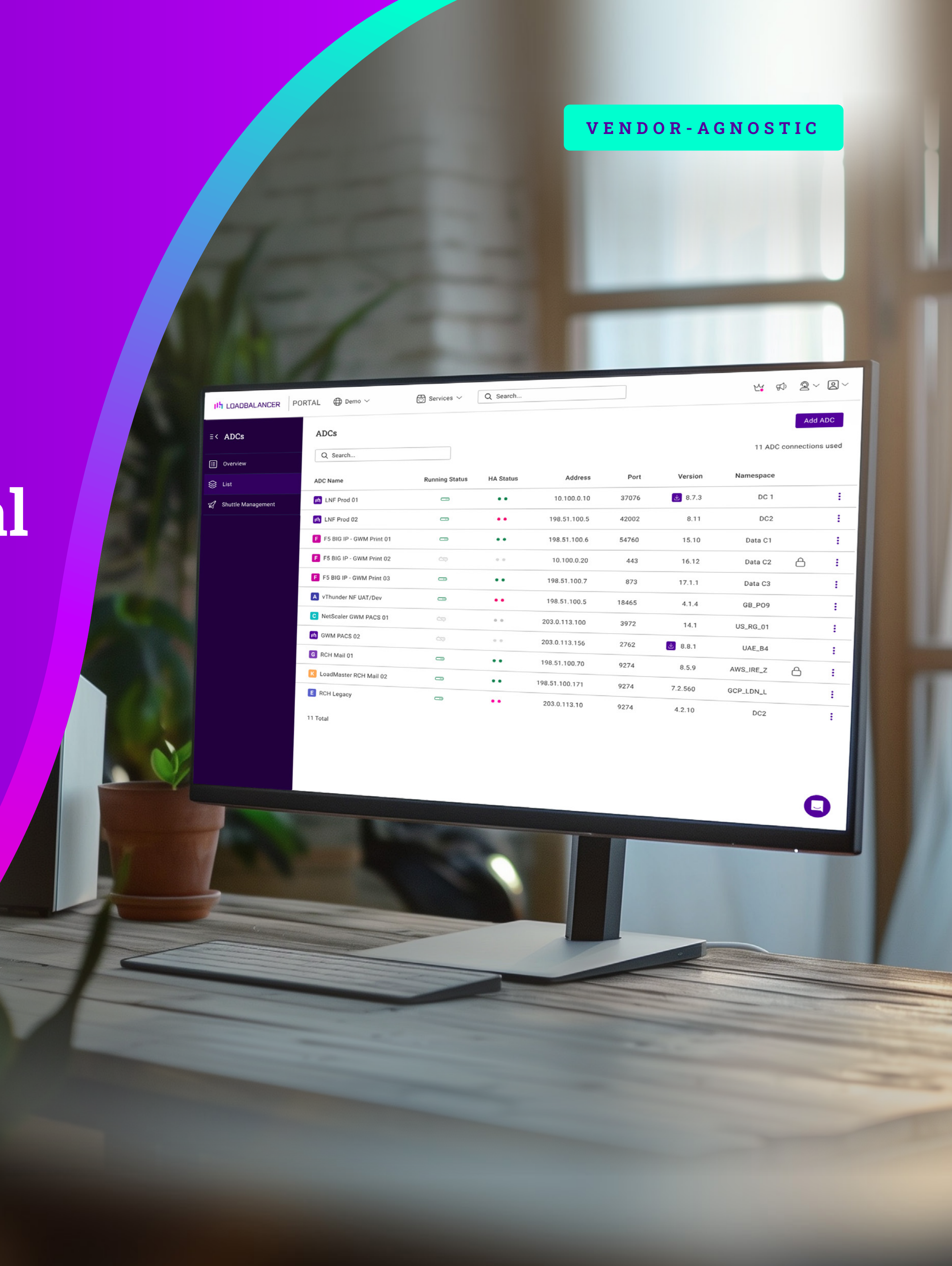
LOADBALANCER

VENDOR-AGNOSTIC

Loadbalancer ADC Portal

Manage any load balancer, anywhere, from a single platform



ADCs

Search...

11 ADC connections used

ADC Name	Running Status	HA Status	Address	Port	Version	Namespace	
LNF Prod 01	▭	🟢🟢	10.100.0.10	37076	8.7.3	DC 1	⋮
LNF Prod 02	▭	🔴🔴	198.51.100.5	42002	8.11	DC2	⋮
F5 BIG IP - GWM Print 01	▭	🟢🟢	198.51.100.6	54760	15.10	Data C1	⋮
F5 BIG IP - GWM Print 02	⊘	○○	10.100.0.20	443	16.12	Data C2	🔒 ⋮
F5 BIG IP - GWM Print 03	▭	🟢🟢	198.51.100.7	873	17.1.1	Data C3	⋮
vThunder NF UAT/Dev	▭	🔴🔴	198.51.100.5	18465	4.1.4	GB_PO9	⋮
NetScaler GWM PACS 01	⊘	○○	203.0.113.100	3972	14.1	US_RG_01	⋮
GWM PACS 02	⊘	○○	203.0.113.156	2762	8.8.1	UAE_B4	⋮
RCH Mail 01	▭	🟢🟢	198.51.100.70	9274	8.5.9	AWS_IRE_Z	🔒 ⋮
LoadMaster RCH Mail 02	▭	🟢🟢	198.51.100.171	9274	7.2.560	GCP_LDN_L	⋮
RCH Legacy	▭	🔴🔴	203.0.113.10	9274	4.2.10	DC2	⋮

11 Total

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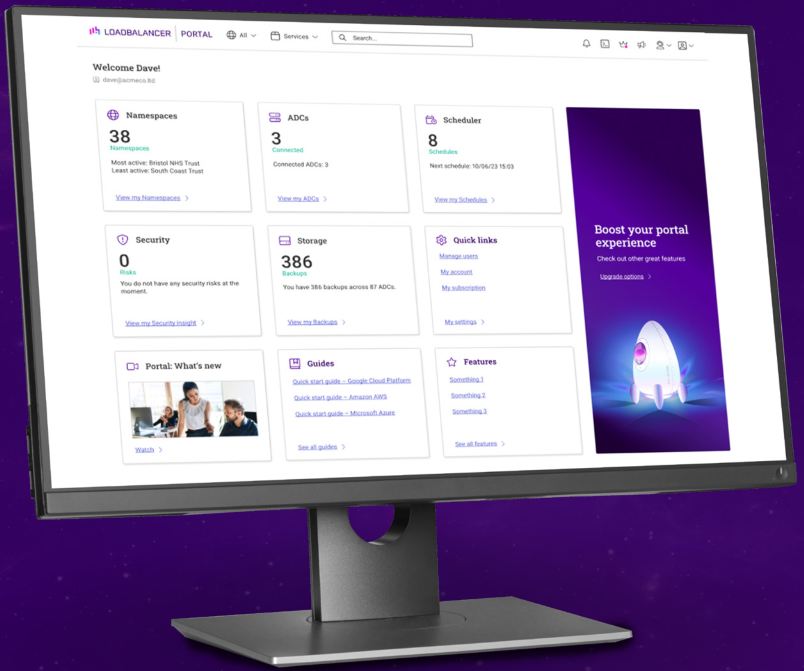


Welcome Dave!

dave@acmeco.ltd

Namespaces
38
Namespaces
Most active: Bristol NHS Trust
Least active: South Coast Trust
View my Namespaces >

ADCs
3
Connected
Connected ADCs: 3
View my ADCs >

Scheduler
8
Schedules
Next schedule: 10/06/23 15:03
View my Schedules >

Boost your portal experience
Check out other great features
Upgrade options >

Security
0
Risks
You do not have any security risks at the moment.
View my Security insight >

Storage
386
Backups
You have 386 backups across 87 ADCs.
View my Backups >

Quick links
Manage users
My account
My subscription
My settings >

Portal: What's new
Watch >

Guides
Quick start guide – Google Cloud Platform
Quick start guide – Amazon AWS
Quick start guide – Microsoft Azure
See all guides >

Features
Something 1
Something 2
Something 3
See all features >

What is the ADC Portal?

An Application Delivery Platform for all your load balancers

Manage the load balancers you already have more efficiently with this intuitive vendor-agnostic solution.

Full observability, management, and automation of your ADCs for more effective application delivery across all your environments.

F5 BIG-IP, Citrix NetScaler, Progress Kemp LoadMaster, and Loadbalancer.org Enterprise all supported. More third-party vendors coming soon.

F F5	K Kemp
C Citrix	Loadbalancer

One ADC Portal to replace them all

Manage all of your load balancers from one platform.

A single window of control

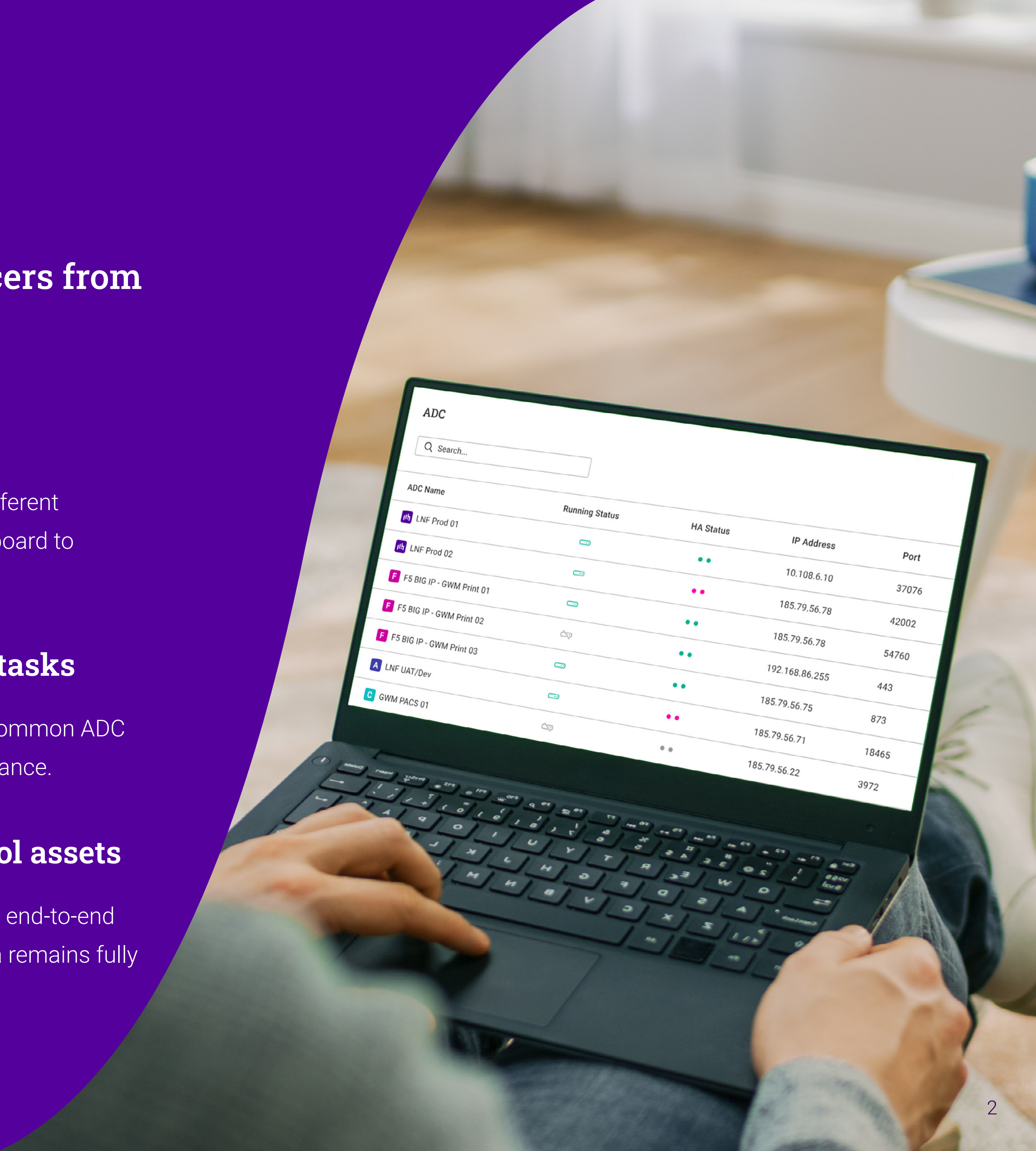
Consolidate all your appliances from different vendors in a comprehensive ADC dashboard to effortlessly monitor their status.

A way to automate routine tasks

Create automated workflows to allow common ADC tasks to be set up and scheduled in advance.

A fully secure way to control assets

Built on a zero-trust security model with end-to-end encryption, the ADC Portal ensures data remains fully secure, both at rest and in transit.



ADC

Search...

ADC Name	Running Status	HA Status	IP Address	Port
LNF Prod 01	▭	●●	10.108.6.10	37076
LNF Prod 02	▭	●●	185.79.56.78	42002
F F5 BIG IP - GWM Print 01	▭	●●	185.79.56.78	54760
F F5 BIG IP - GWM Print 02	⊘	●●	192.168.86.255	443
F F5 BIG IP - GWM Print 03	▭	●●	185.79.56.75	873
A LNF UAT/Dev	▭	●●	185.79.56.71	18465
C GWM PACS 01	⊘	●●	185.79.56.22	3972

How it connects to your network

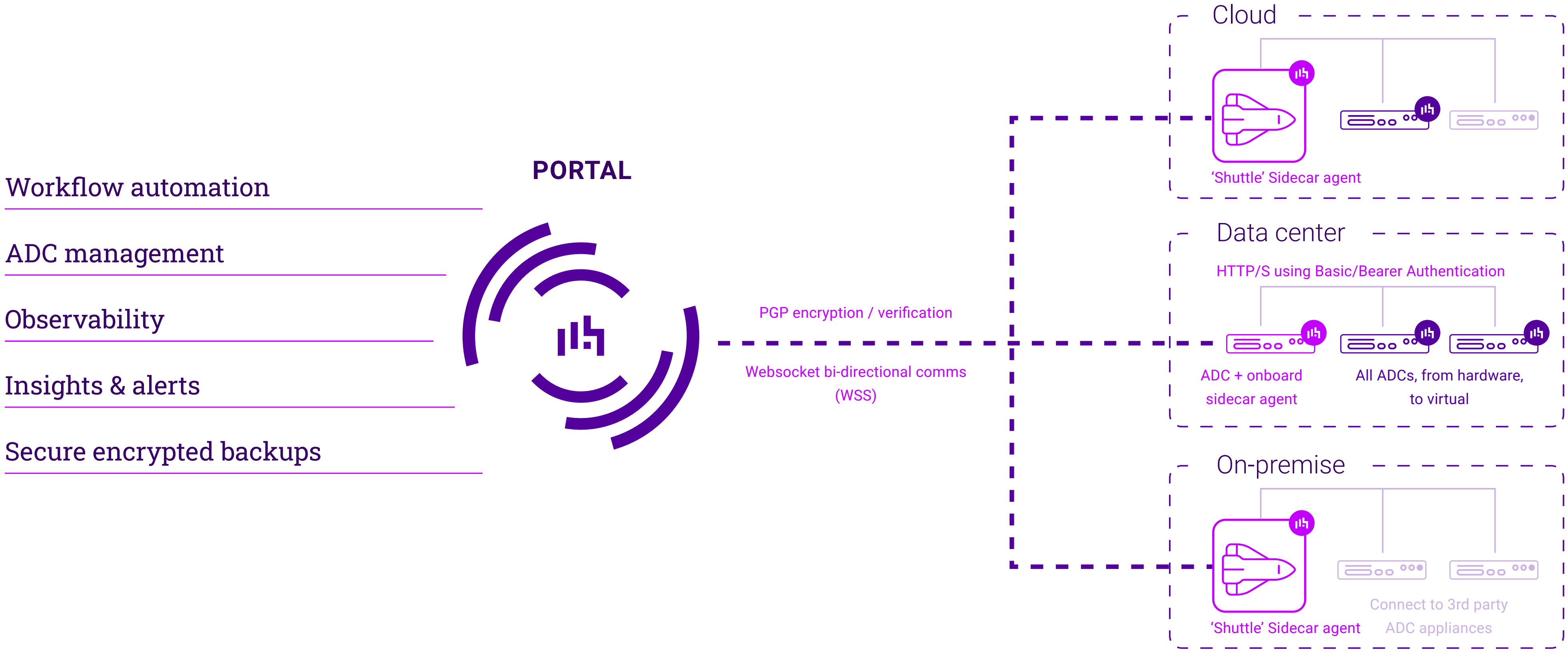
Secure, bi-directional communication

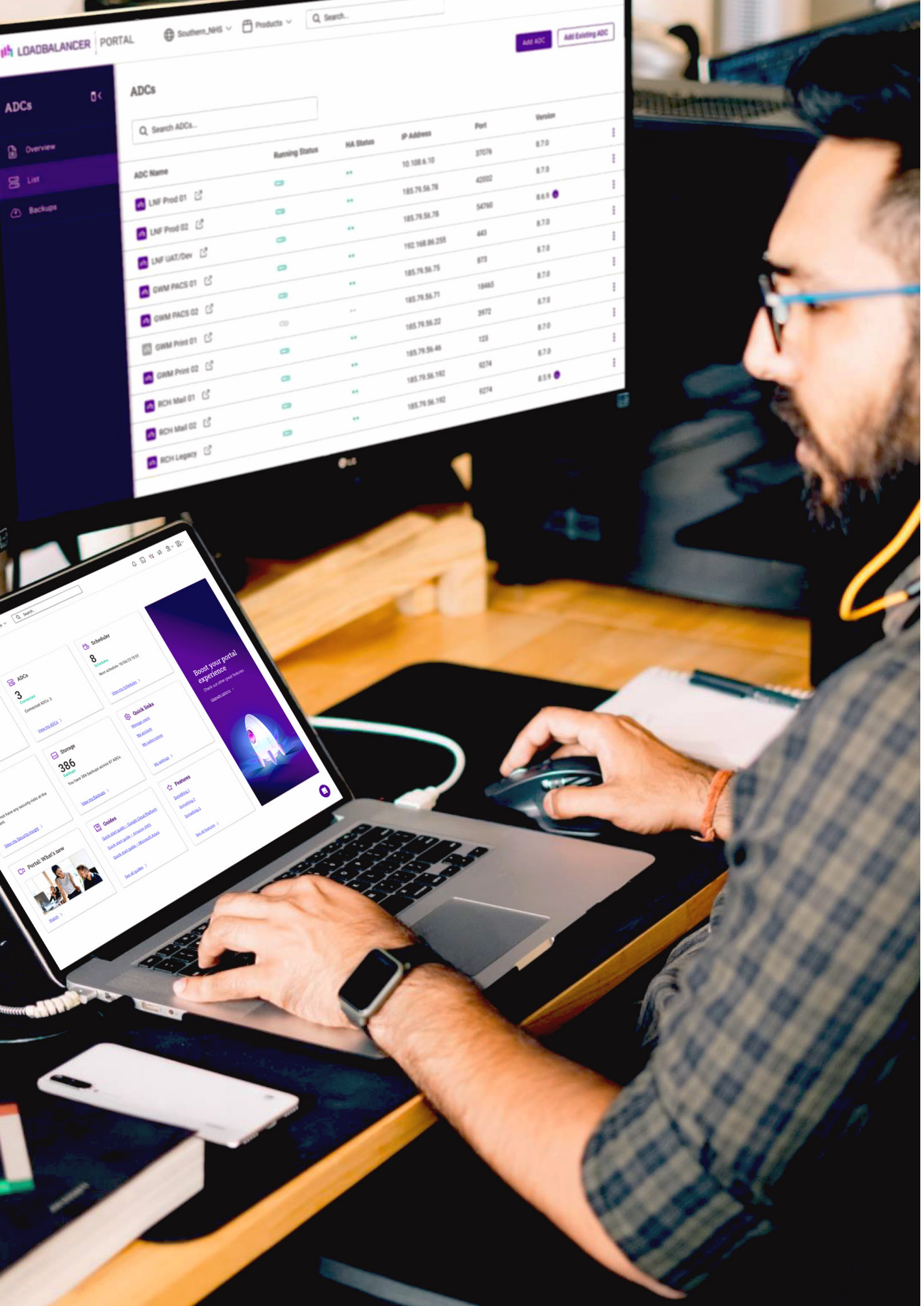
The ADC Portal is offered as a managed service, located in Loadbalancer's secure cloud.

Communication between the Portal and client instances (ADCs) is facilitated via a secure, encrypted websocket tunnel enabling bi-directional communication.

An intermediary sidecar agent called the Shuttle is used to further facilitate management of ADC instances from the Portal. This Shuttle agent is also available as a standalone virtual appliance that can be deployed within a client's local environment, data center, or cloud.

Loadbalancer Enterprise v8.11.1 and later, and Endurance ADC appliances, are pre-configured with built-in agents.


Workflow automation
ADC management
Observability
Insights & alerts
Secure encrypted backups
PORTAL
PGP encryption / verification
Websocket bi-directional comms (WSS)
Cloud
'Shuttle' Sidecar agent
Data center
HTTP/S using Basic/Bearer Authentication
ADC + onboard sidecar agent
All ADCs, from hardware, to virtual
On-premise
'Shuttle' Sidecar agent
Connect to 3rd party ADC appliances



LOADBALANCER | PORTAL Southern_NHS Products Search... Add ADC Add Existing ADC

ADCs

- Overview
- List
- Backups

ADCs

Search ADCs...

ADC Name	Running Status	HA Status	IP Address	Port	Version
LNF Prod 01	▭	●●	10.108.6.10	37076	8.7.0
LNF Prod 02	▭	●●	185.79.56.78	42002	8.7.0
LNF UAT/Dev	▭	●●	185.79.56.78	54760	8.6.9 ●
GWM PACS 01	▭	●●	192.168.86.255	443	8.7.0
GWM PACS 02	▭	●●	185.79.56.75	873	8.7.0
GWM Print 01	▭	○○	185.79.56.71	18465	8.7.0
GWM Print 02	▭	●●	185.79.56.22	3972	8.7.0
RCH Mail 01	▭	●●	185.79.56.46	123	8.7.0
RCH Mail 02	▭	●●	185.79.56.192	9274	8.7.0
RCH Legacy	▭	●●	185.79.56.192	9274	8.5.9 ●

Enhanced visibility

Monitor all your third-party load balancers

Gain full visibility and control of your entire ADC infrastructure with the Portal ADC List.

The List view enables insight of the operational and high availability status of your ADCs, as well as the ability to see their IP address, Port, and software version.

Use Name, Tags, and Namespace to group, search for, and organize your appliances by location, network, application, or team.

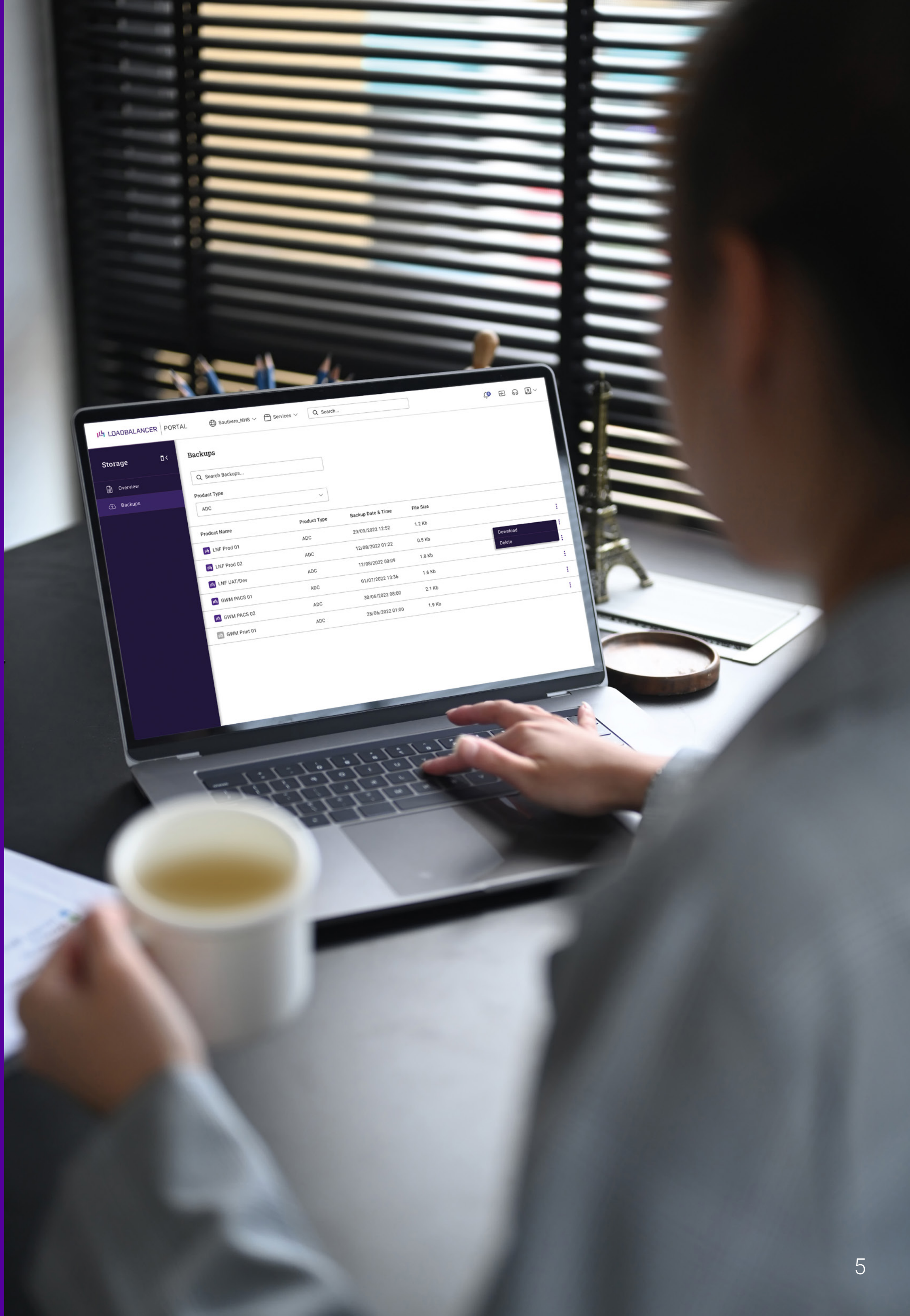
Effortless backups

Operational peace of mind

Centralized visibility and intuitive backup functionality mean your ADCs can be backed up in just a few simple clicks, with the added reassurance that you can easily roll back to the preceding version if required.

Create an instant backup ahead of a major change, or use our automation workflows to schedule backups in advance.

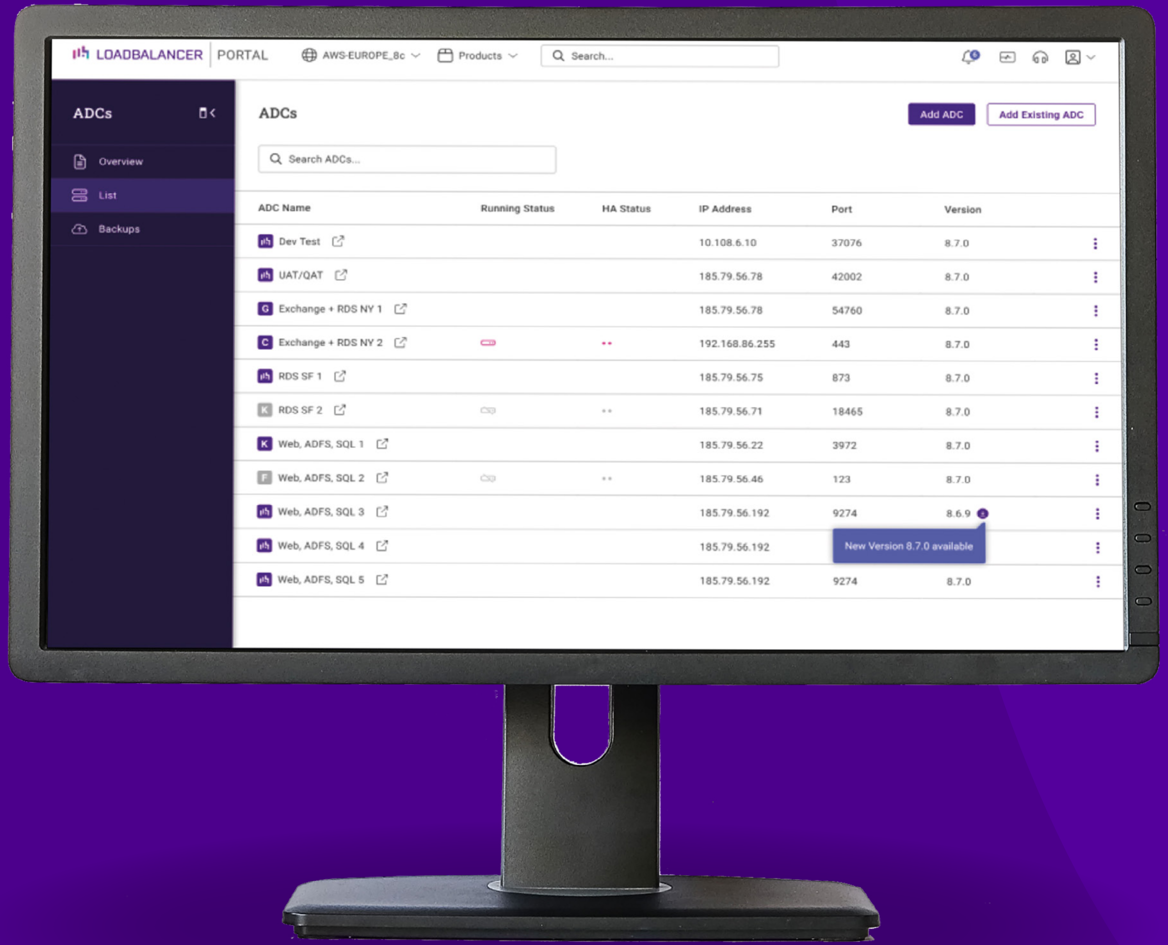
Backups can be easily viewed and either restored, downloaded for storage elsewhere, or deleted.



Backups

Product Name	Product Type	Backup Date & Time	File Size
LNF Prod 01	ADC	29/09/2022 12:52	1.2 Kb
LNF Prod 02	ADC	12/08/2022 01:22	0.5 Kb
LNF UAT/Dev	ADC	12/08/2022 00:09	1.8 Kb
GWM PACS 01	ADC	01/07/2022 13:36	1.6 Kb
GWM PACS 02	ADC	30/06/2022 08:00	2.1 Kb
GWM Print 01	ADC	28/06/2022 01:00	1.9 Kb

Seamless updates



ADC Name	Running Status	HA Status	IP Address	Port	Version
Dev Test			10.108.6.10	37076	8.7.0
UAT/QAT			185.79.56.78	42002	8.7.0
Exchange + RDS NY 1			185.79.56.78	54760	8.7.0
Exchange + RDS NY 2	▭	••	192.168.86.255	443	8.7.0
RDS SF 1			185.79.56.75	873	8.7.0
RDS SF 2	▭	••	185.79.56.71	18465	8.7.0
Web, ADFS, SQL 1			185.79.56.22	3972	8.7.0
Web, ADFS, SQL 2	▭	••	185.79.56.46	123	8.7.0
Web, ADFS, SQL 3			185.79.56.192	9274	8.6.9
Web, ADFS, SQL 4			185.79.56.192		
Web, ADFS, SQL 5			185.79.56.192	9274	8.7.0

Take the pain out of staying up to date

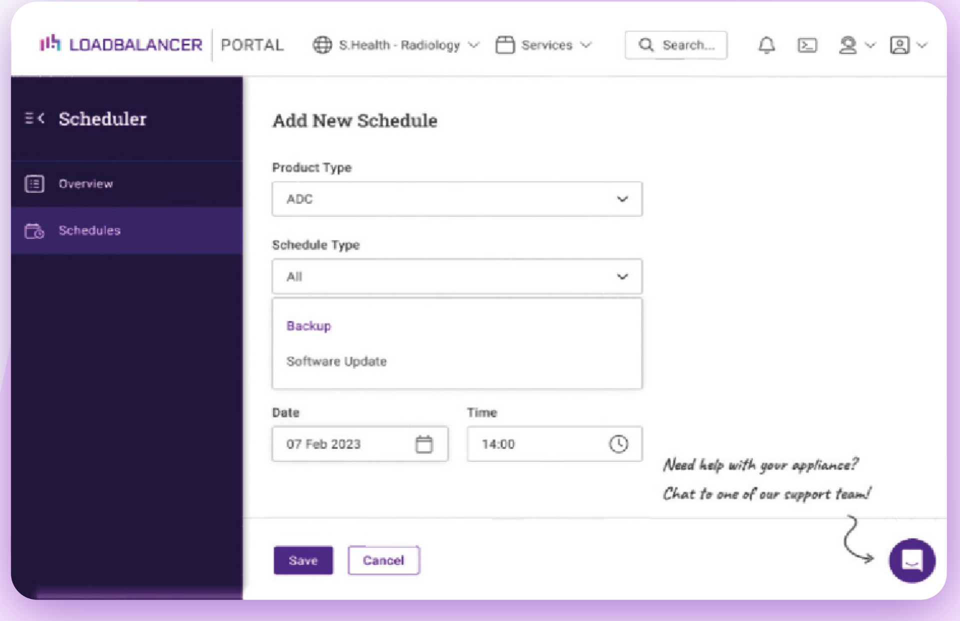
ADC software is constantly evolving; whether to ward off new security threats, or to provide enhanced functionality.

Keeping lots of different ADC appliances up to date can be complex and challenging.

With centralized visibility and updates, that burden can be substantially reduced.

Automated tasks

Quickly and easily set up an automated workflow



Add New Schedule

Product Type: ADC

Schedule Type: All

Backup

Software Update

Date: 07 Feb 2023

Time: 14:00

Need help with your appliance? Chat to one of our support team!

Automate backups

Choose a daily, weekly or monthly cadence and securely store your backups within the Portal.

Schedule updates

Schedule updates in advance for times of low usage, freeing up your IT team in the midnight hours.

More efficient

Tasks are completed without delay, guaranteeing the most efficient operating environment.

More secure

Vulnerabilities are patched much faster with automated updates, resulting in a more secure ADC suite.

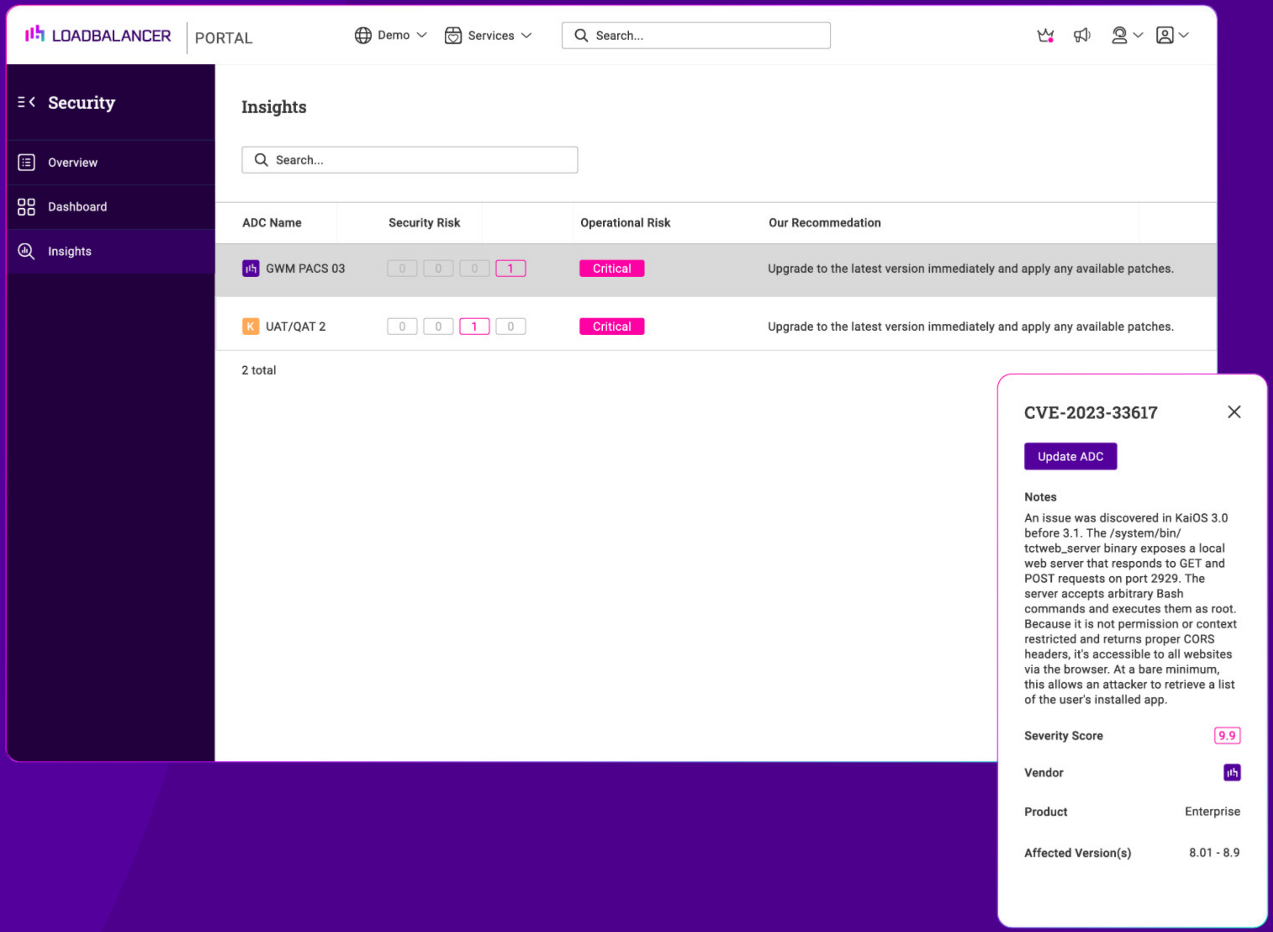
Improve security

Security insights to keep your ADCs protected and secure

Instantly see new Common Vulnerabilities and Exposures (CVEs) for your deployed load balancers.

Get tailored advice on how to remediate these CVEs.

Ensure all your appliances are patched and updated.



Insights

Search...

ADC Name	Security Risk	Operational Risk	Our Recommedation
GWM PACS 03	0 0 0 1	Critical	Upgrade to the latest version immediately and apply any available patches.
UAT/QAT 2	0 0 1 0	Critical	Upgrade to the latest version immediately and apply any available patches.

2 total

CVE-2023-33617

Update ADC

Notes

An issue was discovered in KaiOS 3.0 before 3.1. The /system/bin/tctweb_server binary exposes a local web server that responds to GET and POST requests on port 2929. The server accepts arbitrary Bash commands and executes them as root. Because it is not permission or context restricted and returns proper CORS headers, it's accessible to all websites via the browser. At a bare minimum, this allows an attacker to retrieve a list of the user's installed app.

Severity Score	9.9
Vendor	
Product	Enterprise
Affected Version(s)	8.01 - 8.9

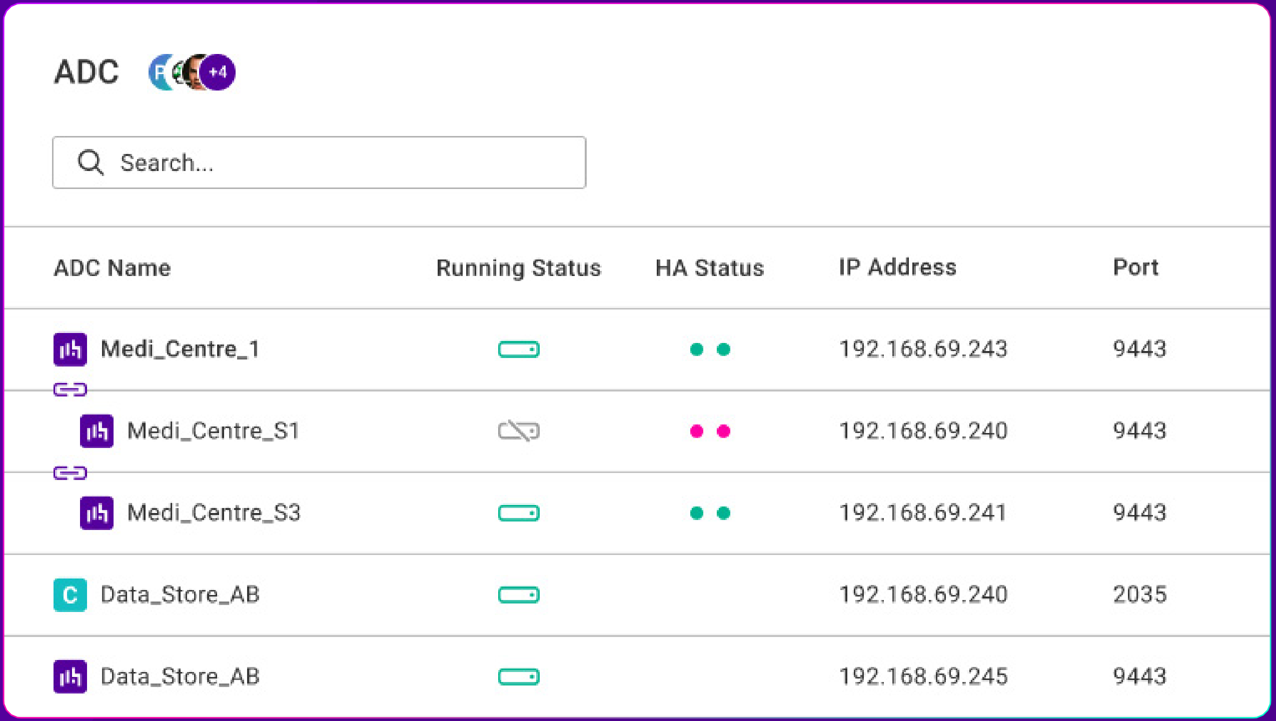
Effortless HA monitoring

High availability status at a glance

Running two ADCs in Active/Passive mode is the best way to deliver uninterrupted services

The Portal allows easy checking of HA status with a simple traffic light system

Clear Active and Passive signalling saves you time, preventing you from having to click through to individual records to establish their status.



ADC Name	Running Status	HA Status	IP Address	Port
Medi_Centre_1	▭	🟢 🟢	192.168.69.243	9443
Medi_Centre_S1	⊘	🔴 🔴	192.168.69.240	9443
Medi_Centre_S3	▭	🟢 🟢	192.168.69.241	9443
Data_Store_AB	▭		192.168.69.240	2035
Data_Store_AB	▭		192.168.69.245	9443

Secure communication

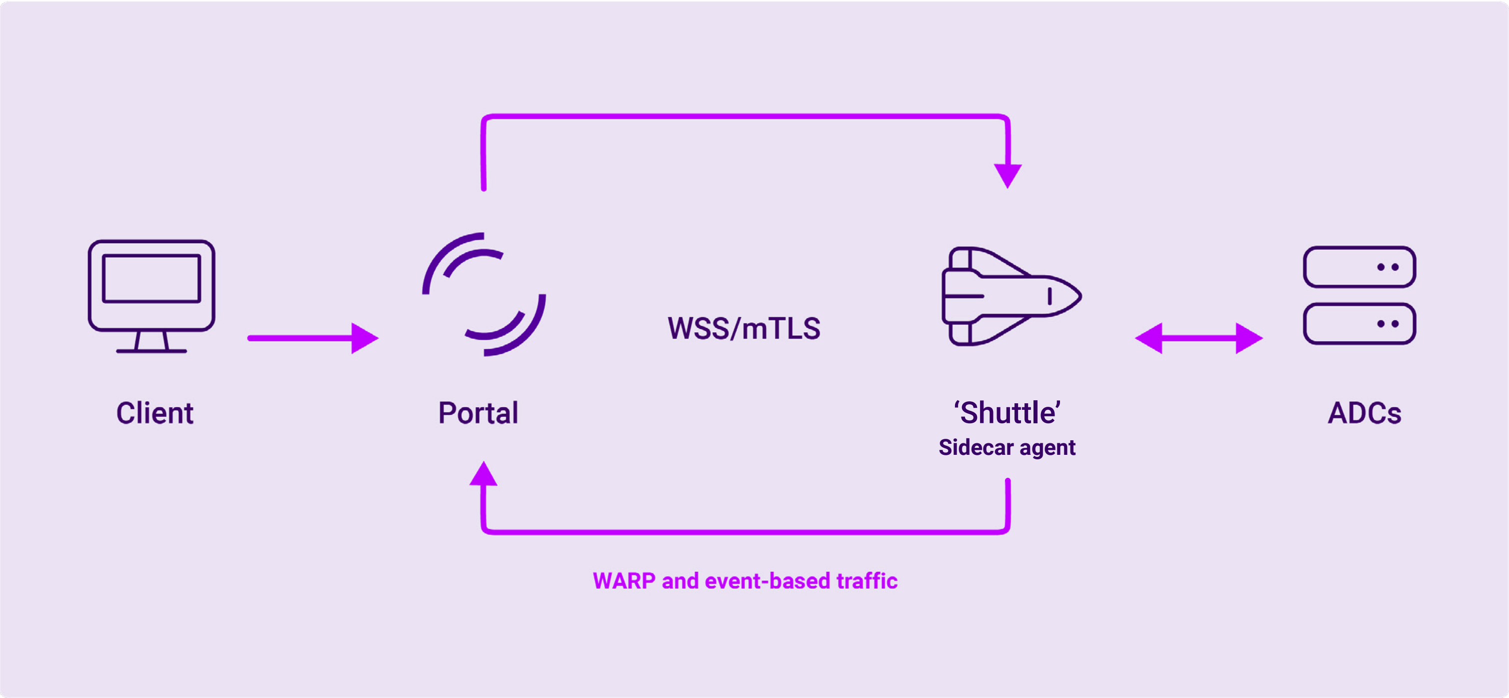
Secure two-way communication using WebSocket Security

All communication takes place via a secure WebSocket protocol (WSS) with mTLS, requiring mutual certificate authentication of both the client and the server.

Only once this two-way authentication has taken place is a secure connection established, leading to the exchange of data.

Within this encrypted WSS channel, there are two methods of communication:

1. **Event-driven requests** - Sent as events to a sidecar agent we call the 'Shuttle' for added security and efficiency.
2. **WARP-enabled remote HTTP proxy** - Allowing ADC WebUIs to be viewed and manage over an encrypted connection.

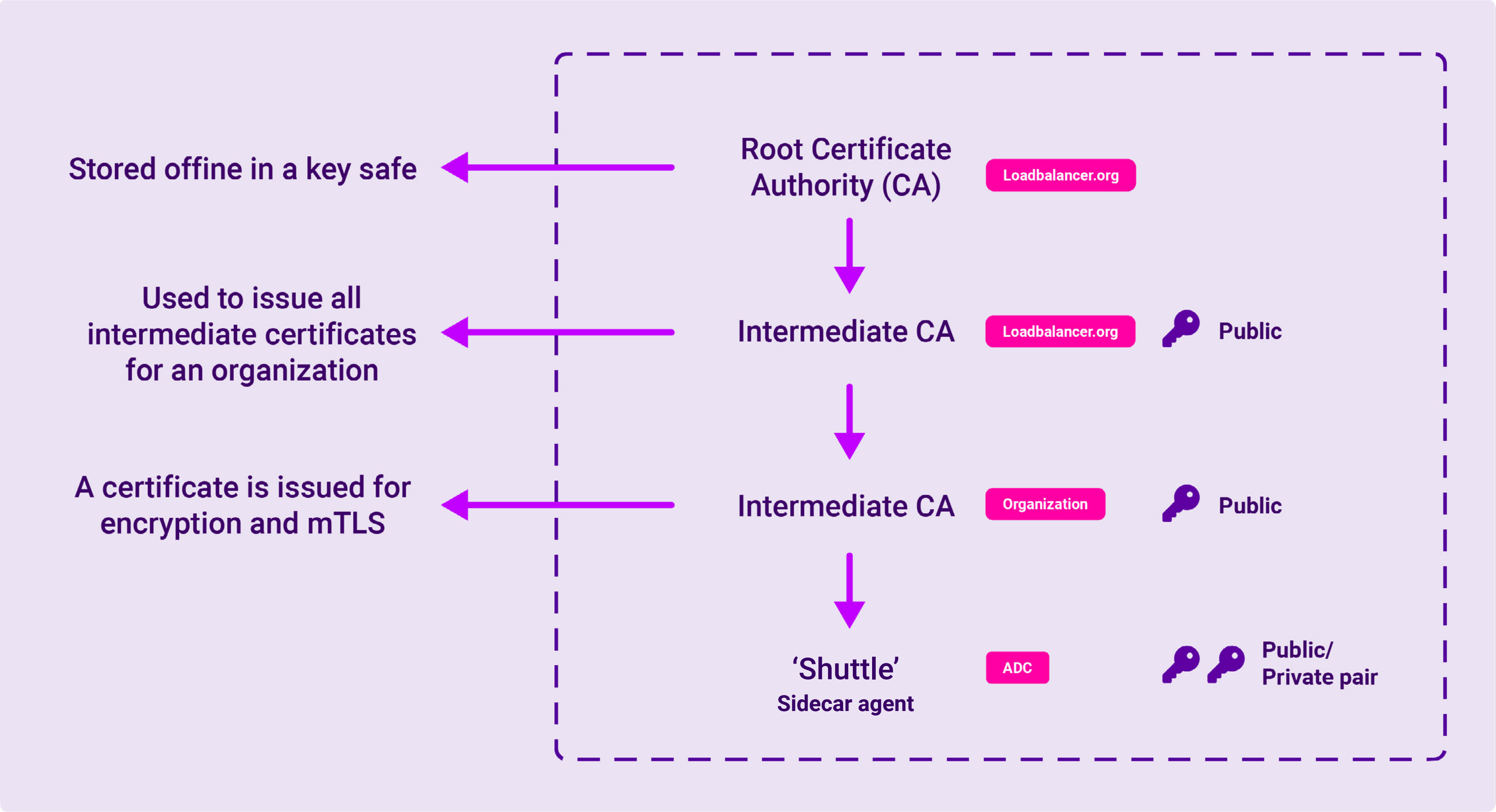


End-to-end encryption

PGP encryption for additional security

In addition to secure WebSocket encryption, the Portal uses PGP encryption to send data via a sidecar agent called the 'Shuttle'.

Because the 'Shuttle' is unable to read the messages being communicated its only role is to act as a vector to forward this information when, and only when, the private and public keys match.


Stored offine in a key safe
Root Certificate Authority (CA)
Loadbalancer.org
Used to issue all intermediate certificates for an organization
Intermediate CA
Loadbalancer.org
Public
A certificate is issued for encryption and mTLS
Intermediate CA
Organization
Public
'Shuttle'
Sidecar agent
ADC
Public/
Private pair

Governance and compliance

A secure, cloud-based subscription service

The Loadbalancer ADC Portal leverages an advanced cloud authentication and network communications model that has been built for the highest levels of privacy, security and trust.

Loadbalancer.org holds Quality Management System (QMS) in high regard and carries out regular security audits and penetration tests internally, and with independent third-parties.

We also adhere to the SOC2 principles of security, availability, processing integrity, confidentiality, and privacy.

nqa.

ISO 9001

QUALITY MANAGEMENT

nqa.

ISO 27001

INFORMATION SECURITY MANAGEMENT

New and upcoming features

An aggressive innovation roadmap

More vendors coming soon!

A10, F5 NGINX Plus, AVI Networks, and Edgenexus appliances will also be supported, in addition to existing third-parties.

Workflow pipelines

Workflow pipelines will allow you to create custom automations using a simple, no-code interface, or choose from a library of ready-made tasks.

Certificate management

Keep your ADCs secure and compliant, with SSL/TLS certificate management. Discover, manage and renew.

Updates

New features will allow Progress Kemp, F5, and Citrix NetScaler appliances to be updated.

LOADBALANCER

About the company

Our mission is to ensure your business is never interrupted by downtime — using tailored, high availability solutions to optimize application delivery.

Bringing decades of experience to your deployment, we’re here to get to the heart of what matters to you, delivering uptime you measure in years, not months.

Find out if our clever, not complex, Application Delivery Controllers (ADCs), automation tools and exceptional, personalized support are the right fit for your application stack.

www.loadbalancer.org

SMART • FLEXIBLE • UNBREAKABLE