BLUEWHALE STACK

WHITEPAPER

Every cloud, one control plane — platform overview

54 capabilities in nine families, four editions on one architecture, five deployment modes down to fully air-gapped.

Six layers. One platform build.

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How 54 capabilities in nine families share one inventory, one identity fabric, one policy engine and one bill across six public clouds, private estates and air-gapped sites — and what that replaces.

BlueWhale Stack is one control plane over six public clouds, your virtualization estate and your air-gapped sites. It is run by enterprises, by telco and datacenter operators who sell governed services on it, and by governments that must prove where data lives and who touched it. After connecting, every estate reports into one inventory, one identity fabric and one policy engine — and the audit evidence is generated continuously instead of assembled per inspection.

< 15 min From connecting a cloud account to its first full inventory	**6 + 5** Public clouds by API; private platforms by Edge Agent
10 Identity providers federated over SAML 2.0 / OIDC	**5** Deployment modes — SaaS, BYOC, on-prem, air-gapped, edge

Why now

Most organisations add a new estate every year — a second cloud, an edge site, a sovereign region — and governance is added afterwards, per estate. BlueWhale Stack makes governance the layer a new estate joins on day one.

What it replaces

You run today	In BlueWhale Stack	Status
Cloud management platform (CMP)	Inventory & Discovery, Service Catalog and Cloud Connectors — one inventory across six clouds and on-prem, governed provisioning on top	GA
Cloud cost tool	Whalenomics — billing joined to inventory, anomalies explained by Whale AI, rightsizing and commitment advice	AI use cases live · backend in progress
Observability contract	Observe — logs, metrics, traces, SLOs with burn-rate alerts, synthetics, included in the licence	GA
ITSM for cloud operations	ITSM with P0–P4 SLAs, CMDB fed by discovery — or two-way sync with the ServiceNow or Jira you keep	GA
IaC and landing-zone tooling	Landing Zone Builder (Control Tower, CLZ, GCP foundations)	Beta
Migration assessment suite	Migration Engine — auto-classification, 6R scoring, dependency-aware waves with rollback	Assessment live · execution in progress
Compliance evidence spreadsheets	Cloud Audit & Evidence — controls monitored continuously, reports per regime on demand	Enterprise & up

The architecture, top to bottom

1. **1 · Industry segments**
   Enterprise, datacenter, telco, government and SMB consume governed services — each through its own edition of the same platform.

2. **2 · Digital Experience Layer**
   Multi-tenant by design: white-label portals, catalog & marketplace, self-service, per-tenant metering & billing, SLA and tenant health — the layer your customers and business units see.

3. **3 · Unified Platform Core**
   Nine capability families under one console, one identity, one policy and one bill — the governance engine of the whole estate.

4. **4 · Integrations**
   The platform plugs into what you already run — OSS/BSS, ServiceNow/Jira, billing and invoicing, identity & SSO, and an API surface for everything else.

5. **5 · Every estate**
   Public clouds, private and virtualization estates, hybrid and sovereign stacks — discovered, governed and billed as one, down to air-gapped and edge sites.

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6 · Deployment modes

SaaS, BYOC on your own clouds, on-premise, sovereign air-gapped, or at the edge — the same product in every mode.

The nine capability families

Management & Delivery

Provisioning, landing zones, blueprints and day-2 operations — delivery with governance built in. Modules: Cloud Connectors, Business Connectors, Partner Connectors, Service Catalog, Landing Zone Builder.

Whalenomics · FinOps

Budgets, forecasts, chargeback and continuous optimization — spend decomposed to workload, department or tenant. Modules: Whalenomics.

Security & Identity

One identity fabric (SAML/OIDC), least-privilege access, continuous scanning — uniform posture everywhere. Modules: Identity & Access, Security.

Governance & Audit

Policy as configuration; controls monitored continuously; the auditor's report generated on demand. Modules: Cloud Audit & Evidence.

Whale AI — incl. offline

AI for operations, documentation and compliance — your choice of model, able to run fully inside the perimeter. Modules: Whale AI.

Migration & Discovery

Inventory, dependency mapping and rehearsed waves with rollback — for entry, movement between estates, and exit. Modules: Inventory & Discovery, Migration Engine.

Observability & ITSM

Health, events and service operations — integrated with ServiceNow, Jira and existing tooling. Modules: Observe, Whale ITSM.

Tenancy & Monetization

Native multi-tenancy, catalogs, marketplace, per-tenant metering and billing feeds. Modules: Tenancy & Monetization.

Sovereign Operations

In-country deployment, segregation, air-gapped classes and offline-tolerant edge. Modules: Sovereign Operations.

Deployment modes

SaaS — Fastest start

First account connected and inventoried in under 15 minutes. Your data stays in the region you choose — Singapore, Mumbai, Dubai, Frankfurt or Los Angeles.

BYOC — your clouds — Nothing re-hosted

On your own cloud accounts — the control plane runs in your AWS / Azure / GCP; nothing is re-hosted to adopt it.

On-premise — Full control

Full control inside your own datacenters, on your virtualization or bare-metal estate.

Sovereign · air-gapped — Disconnected

Fully disconnected operation — including Whale AI offline, in-region models and no call-home.

Edge — offline-tolerant — HQ-grade policy

Plants, branches and bureaus under headquarters-grade policy, tolerant of disconnection.

Every mode runs the same platform build, so moving between modes is an operational decision. Mixed estates are common: a SaaS console governing air-gapped and edge sites through the Edge Agent.

Support and service model

Tiered support

L1/L2 with the customer or partner, L3 with BlueWhale — 24×7 critical bridge at 99.9%.

Implementation

BlueWhale practices — App, Infrastructure and Data Modernization, AI Design — or certified partners.

Product & roadmap

Quarterly releases; customer councils feed the roadmap; no forced upgrades on sovereign estates.

Whale AI tiers

Spark — Standard & up

Entry, fast — summaries, inventory Q&A and sizing recommendations in natural language.

Tide — Enterprise & up

Deep reasoning for migration planning, IaC drafting and multi-cloud analysis.

Abyss — Enterprise · Government (in-region, offline)

Premium multi-step agents for the most complex, cross-module workflows — including fully offline inside the perimeter.

Security posture

- One identity fabric (SAML 2.0 / OIDC) across 10 identity providers, with SCIM auto-provisioning
- Least-privilege, role-based access across every connected estate; credentials AES-256 at rest, TLS 1.3 in transit
- Continuous control monitoring; the report your auditor asks for, generated per regime on demand
- Data residency by region (DPDP — Mumbai, GDPR — Frankfurt); in-country by BYOC, on-prem or air-gapped elsewhere
- ISO/IEC 27001, 27017, 27018, 27701 and ISO 22301 certified; SOC 2 Type II readiness assessment complete
- Air-gapped and in-region deployment for sovereign customers, with WORM-backed audit logs in the Government Edition

The 90-day prototype

1. **Discovery workshop · Half day**
   The platform on your estate's shape; success criteria agreed with technology and finance.
2. **Prototype · 90 days · no licence cost**
   Full-featured on your own estate: inventory live, cost decomposed, one audit report, one AI use case.
3. **Evidence review · Day 90**
   Scored on the agreed criteria — then, and only then, the licensing decision.
4. **Scale · Quarters 2–4**
   The control plane extends estate by estate; every environment inherits governance day one.

What buyers ask

01 **What do you need from us to start?**

Read-only credentials for one cloud account — an IAM role, an Entra app registration or a Viewer service account — and, for on-prem, one Edge Agent per site with read access to the hypervisor. No inbound firewall rules, nothing on guest VMs.

02 **SaaS, BYOC, on-prem or air-gapped — is it the same product?**

Yes, one build. SaaS runs in Singapore, Mumbai, Dubai, Frankfurt or Los Angeles; BYOC runs the control plane in your own AWS, Azure or GCP; on-prem and air-gapped run inside your perimeter with signed offline updates. Moving between modes is an operational decision.

03 Which parts are generally available and which are not?

Inventory, Cloud Connectors, Identity, Service Catalog (AWS provisioning), Observe, ITSM, Whale AI and the Government Edition are GA. Landing Zone Builder is beta. The Migration Engine's assessment is live with execution hooks in progress; the Whalenomics backend is in progress with its Whale AI use cases live. Tenancy & Monetization is in preview for the Telco & Datacenter Edition, GA Q4 2026.

04 Does Whale AI send our data to a model provider?

Only on SaaS, in your region, if you choose a hosted model. BYOC and sovereign deployments run your own model or ours in-region; the Government Edition runs Whale AI fully offline with zero external calls.

05 How does it fit with ServiceNow, Jira and our SIEM?

Tickets sync two-way with ServiceNow and Jira; Observe forwards telemetry and findings to your SIEM; the REST API and webhooks expose everything the console does.

06 What does an evaluation look like?

A half-day discovery workshop, then a 90-day prototype on your own estate with no licence cost — inventory live, cost decomposed, one audit report, one AI use case — scored on criteria agreed up front.

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