

# SQUARESCALE

DATASHEET



squarescale

## BUILD INFRASTRUCTURES AND DEPLOY CLOUD NATIVE APPLICATIONS AUTOMATICALLY / SEAMLESSLY / INSTANTLY

### KEY BENEFITS.

- Instant deployments and immediate time to market on new developments.
- Onboarding legacy apps within your Cloud Native new deployments.
- Supporting both public, private and hybrid cloud environments.
- Fully secured getting started Cloud Native for non experts.
- Major time saving on tedious process and advanced keys for IT Ops.

### SQUARESCALE PRO

Create and access your dedicated infrastructure through SaaS solution.

### SQUARESCALE DEDICATED

Create and access your dedicated infrastructure through dedicated fully managed solution, for advanced privacy and heavy duty production environment.

### SQUARESCALE PLATFORM LICENSE

Full control of unmanaged solution with user powered installation (for on-Prem / hybrid environments)

\*Platform as a Service / Container as a Service

### OVERVIEW

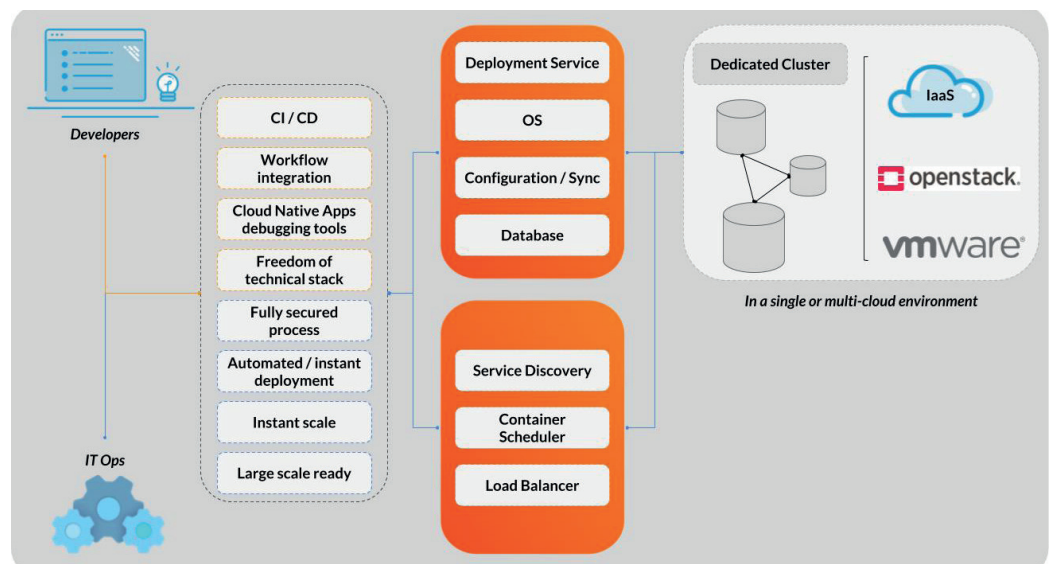
SquareScale is an on-demand solution enabling autonomous delivery of production-ready Cloud Native infrastructures + microservices-based applications in a couple of clicks and **within minutes** in any public/ hybrid / private Cloud environment. Combining the freedom and power of a CaaS\* with the simplicity of a PaaS\*, developers and IT Ops can now set up and deploy a production-ready, **dedicated infrastructure** within a fully secured environment.

### FOR APPLICATION DEVELOPERS

- Freedom of technical stack
- Workflow + CI/CD integration
- Fully configured DevOps stack
- Integrated Cloud Native Apps debugging tools
- Costless deployments for tests, staging, preproduction or new near-to-customers prod.
- Secured Cloud Native getting started for non experts or Advanced expert mode.

### FOR IT OPs AND ARCHITECTS

- Turning deployment into a non-happening making **instant Time to Market** possible.
- Fully automated deployment / redeployment of production-ready, dedicated *{infrastructure + technical stack + configuration + application}* on any IaaS provider, any geography and any private Cloud (Openstack, VMWare) in minutes.
- **Transitioning your legacy to Cloud Native** / microservices, starting now : schedule anything in full isolation : containers, Java, binaries (isolated or not), Qemu VMs.
- Unleashing the power of simultaneous **multi cloud environment**.
- Instant Scale (density, vertical, horizontal) on Public, Private & Hybrid Clouds
- Large-scale ready : battle tested stack scales up to 10K nodes.
- **GDPR ready** architecture.
- **Secured credential management** and subdivided access complying with banking industry requirements for your business process.





<b>The Highest Level of Automation</b>	Full deployment means Deploy Anything, Anywhere, Multi-Datacenter, again and again, from infrastructure to applications, with everything configured, from networks to technical stack, in less than 10 minutes, with one click. You can SaaSify any application in one click, be it a Single Tenant legacy app or a large product requiring a specific and complex infrastructure
<b>Multi-Cloud support</b>	Instantly deploy a new dedicated infrastructure on : <ul style="list-style-type: none"><li>• any Public IaaS providers (AWS, Azure, Google, IBM, Packet, ...)</li><li>• any Private Cloud (VMWare, Openstack, ...)</li></ul> Distribute your infrastructure among several IaaS providers and choose your setup depending on your specifics (redundancy, HA, performances...)
<b>GDPR ready architecture</b>	<ul style="list-style-type: none"><li>• Advanced secrets management (Vault), secure, store, and tightly control access to tokens, passwords, certificates, API keys, and other secrets, handle</li><li>• leasing, key revocation, key rolling, credentials rotation, and auditing</li><li>• Fully encrypted network layers: encryption everywhere</li><li>• One click datacenter selection/migration: comply with data residency regulations instantly</li></ul>
<b>Large Scale ready</b>	Fully configured Nomad : a lightweight scheduler designed for very large scale, running in multiple datacenters and multiple regions; able to span public and private clouds and treat all your infrastructure as a pool of resources.
<b>Hybrid Cloud:</b>	Easily run services across your internal private cloud and external public cloud transparently to application developers.
<b>Kubernetes compatible</b>	Run any application designed for Kubernetes on SquareScale, and benefit from 100% automation and advanced features.
<b>Fully configured DevOps stack</b>	Cloud Native to the bone: from dedicated unified virtual networking (Flannel) to Service Discovery (Consul, Etcd) to Service Mesh (Istio/Consul Connect) or modern Proxies like Traefik
<b>Integrated debugging tools</b>	Cloud Native programs are considered complex to debug by many developers: SquareScale makes their life easier by setting up automatically metrics, logs, tools like Sysdig to avoid wasting time while debugging
<b>Heterogeneous environments</b>	Easily build a cluster anywhere with heterogeneous nodes inside, be it a Windows or Linux OS. You can schedule Windows Docker as well as Linux Docker images
<b>Workflow Integration</b>	Your workflow, your way. Full integration with what you already have or want (Jenkins, GitLab, Travis, Circle...)
<b>Advanced Zero Downtime Deployment</b>	Canary or blue-green deployments? No problem, we got you covered. Whether you upgrade your application, you scale up/down your Jobs/Services (density), you add/remove nodes in your underlying cloud infrastructure, or while automatic security updates, your application runs with zero downtime. High-Availability by default: everything clustered and redundant over clouds and networks
<b>Easy legacy transition to the cloud</b>	Bring Legacy Software some love: SquareScale is the bridge to painlessly offer Cloud-Native features to Legacy Apps : <ul style="list-style-type: none"><li>• Schedule anything in full isolation (or optionally not): Containers (Windows and Linux Docker, Rkt, LXC), Java, binaries, Qemu VMs...</li><li>• JVM optimization: schedule a Jar file without Docker =&gt; one JVM per cluster node instead of one JVM per Docker container</li></ul>

## ABOUT US

SquareScale enables autonomous delivery of production-ready Cloud Native infrastructure and applications in a couple of clicks within minutes. Integrating the very best of hand-picked stacks, SquareScale gives DevOps access to autonomous delivery of production-ready Cloud Native infrastructures and microservices-based applications in a couple of clicks and within minutes in any IaaS provider or in hybrid / private Cloud environment.

