The control governments require, the freedom developers expect.

Platform.sh for
government

The control governments require, the freedom developers expect

Delivering public sector digital services isn't easy. Regulations. Compliance. Competing priorities. Providing transparency while maintaining security. Evolving constituent expectations. As a public sector organization, you face a myriad of challenges as you strive to provide high-quality digital services efficiently.

Host Drupal, govCMS, aGov, WordPress, and many others—securely and reliably.

Designed from the ground up for security, consistency, auditability, and control, Platform.sh can help you address today's challenges by offering development teams the freedom to innovate and iterate—safely and securely.

By taking care of your infrastructure—from hosting and technology to global deployment and support— Platform.sh removes the issues associated with web hosting and online service delivery administration. Whether your current challenge is lack of time, reducing capital expenditure, skills gaps, modernisation, or digital transformation, our easy-to-use automation helps to speed and simplify testing, deployment, scaling, security, and availability.

Deliver business-as-usual with fewer complications and a lower total cost of ownership or use that power to deliver better citizen services faster, in either scenario, Platform.sh can help.

Platform.sh at a glance

» Give developers freedom
to innovate—without
sacrificing security.

» Move from development
to production at the click
of a button.

» Using microservices,
mix and match technologies
in the same project.

» Scale on demand.

» Free your team from
infrastructure management
and updates.

Secure by design

Platform.sh flips traditional web security on its head.

Traditional methods of hosting web applications are permissive by design. They start with a server model that allows full write access to a server, then progressively lock that down through user permissions, firewalls, and other blocks. However, this method is prone to failure. How often have you heard of servers being exploited or of a new data breach? It's not just that there are many opportunities to set a permission incorrectly or leave a hole open, but a single exploit can open the entire server to attack. Potentially compromising citizen data and eroding public trust.

Platform.sh flips this model on its head, beginning with immutable service containers that can't be modified except via a verifiable, auditable commit process. Common web server exploits have no effect in this kind of environment as they simply can't access the service to alter the running code. And, when you need to make a change, it's run through an auditable pipeline that reuses builds and never runs twice for the same code—helping to ensure the code you commit is the code you deploy.

Around this, Platform.sh wraps layers of security:

» Your application services, such as MySQL or Solr, are only accessible via subnet from your application containers and don't root access.

» Database connections are secured from common, application-level attacks via the Platform.sh Protective Block, and the web layer is secured via the Platform.sh web application firewall (WAF). These services helped safeguard Platform.sh

customers from Drupalgeddon and other recent major exploits.

» The hosts, which build and run your containers, use the same security protocols and immutable container architecture, helping to ensure that hardening is applied throughout the stack.

» Developer access is restricted to view permissions on running environments, locked down to SSH keys only, and controlled via a central authentication service, which automatically expires SSH keys across the network when revoked.

» Access to production and development environments is managed via a permission tree, so you can provide better access for developers when they're building, while ensuring that production is fully secure.

» In Australia, Platform.sh runs on AWS, IRAP-certified by the Australian Signals Directorate up to Unclassified DLM and listed on the ASD Certified Cloud Services List (CCSL).

Resiliency

A crucial component of security is about how well you can weather a storm. Minimizing its impact and recovering quickly. And that's where Platform.sh really shines.

Weather the storm.

Whether you're on our Professional or Enterprise clusters, Platform.sh built-in, automated redundancy and failover helps ensure the absolute minimum downtime.

Professional regions run your applications in a single instance, but with failover across three availability zones, and with all your data replicated across high-availability storage. In the event of a host failure, reboot, or the loss of an availability zone, your application is reloaded automatically on a running host in another zone—without data loss (we also use this system to move noisy applications onto less busy hosts automatically, helping to ensure optimum performance).

Enterprise customers get their own dedicated mini-region, with the applications replicated across three hosts. This enables us to offer zero-downtime scaling for peak load events, as well as to protect against host failure without downtime.

Freedom to innovate

For at least the last decade, the best-practice process of getting web applications from the developer's environment to the production environment has suffered due to a fundamental limitation imposed by resources, where a limited number of development environments constrain the ability to test and deploy.

What would you do if you could complete your project 30% faster?

An ideal continuous deployment (CD) solution should overcome many of the limitations of self-managed or third-party continuous integration pipelines by giving developers a direct, consistent build-and-deploy pipeline that fully replicates the production environment, down to the byte level.

At Platform.sh, we've implemented several technical solutions to help developers mitigate the issues discussed above and push best practice in new directions:

» Every branch in your version control system (Git) can have a corresponding environment, and any of them can be merged into production at any time. Say goodbye to blocked environments or workflows dependent on infrastructure being available.

» Development and testing environments are cloned from your production environment in under two minutes.

» Environments can have their database, files, and other services synchronised on demand. Has your live data

changed? You can test it in under two minutes. Non-technical user? There's a button for that.

» All of these features are fully automated. The only knowledge developers need is some information about the target configuration they require (for example, which version of PHP am I using, or which folders are serving static assets); this is very basic.

» Once a project is configured, the configuration may never need to be changed again, and onboarding for new developers is easy.

Instead of moving changes through tiers of limited environments, developers can isolate individual changes to an unlimited number of disposable environments and apply whatever management and testing workflow necessary to get that production-ready.

Changes can be released on demand in the order they're ready—not the order dictated by a release schedule, where you feel compelled to double-check your changes in staging because you can't be certain they'll work. With proper CD in place, your velocity will increase, and your error rate will go down.

The proven Platform.sh development model has been accelerating overall customer project velocity.*
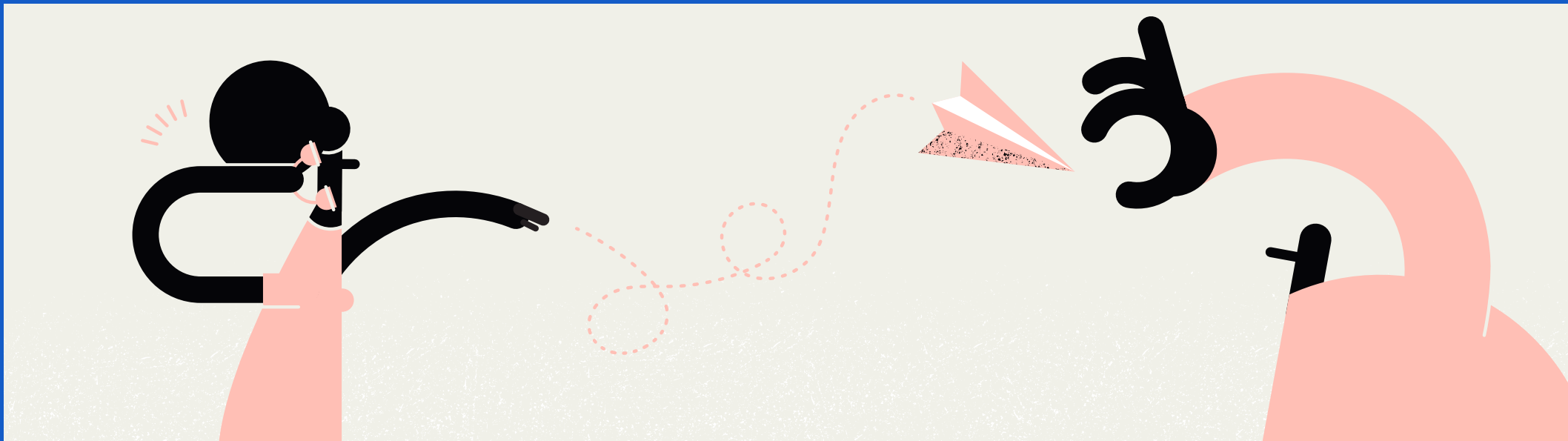
90%
Reduction in DevOps

40%
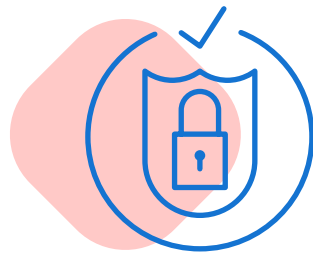Uplift in developer productivity

15x
Faster user acceptance testing

20x
More deployments

* Based on surveys of Platform.sh users. Research available upon request.

Government-grade Drupal and govCMS hosting

Platform.sh brings a range of enterprise-level features to every hosting client—regardless of size.

Government-grade security

Three-tier firewall, always-on DoS detection, inline mitigation via WAF, automatic SSL certificates, and immutable containers provide unbeatable, out-of-the-box security on ASD-Certified Cloud providers.
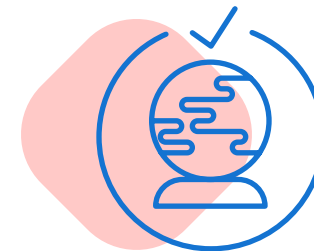
Predictable, reliable, repeatable

Version-controlled, fully composable infrastructure, defined in code, results in fully testable, repeatable infrastructure deployments. Code always runs as designed because infrastructure is predictable.
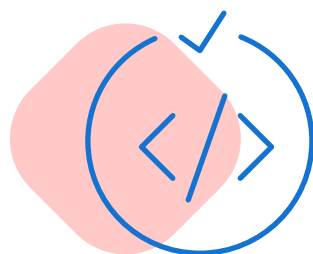
Auditable deployment certainty

A full audit trail for every change guarantees that the code you commit is the code that's deployed, with every change auditable via revision logs. Once in production, code is unchangeable without an audited commit, giving unprecedented visibility on system state.
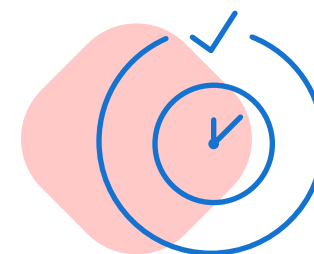
Enterprise-level support and uptime SLAs

Government plans come with up to a 99.99% uptime SLA and under one-hour priority support.

# Platform.sh is a secure, reliable, proven solution for Government-grade Drupal.

» Host GovCMS, aGov, Sector, or vanilla Drupal.

» Securely integrate Node.js or legacy projects in the same build.

» Eliminate restrictions on code inclusion.

» Gain access to Drupal experts, including core developers, Drupal security team members, and the original product lead for GovCMS.
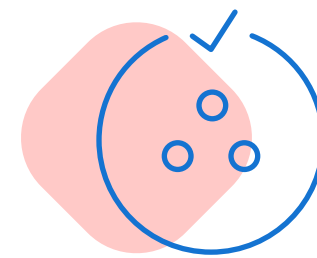
Three-zone resiliency and failover

Even the smallest projects are backed by three availability zones and high-availability storage, with automated failover in the event of a zone outage. Noisy neighbors are automatically rebalanced to less busy hosts to maintain optimum performance for all users.
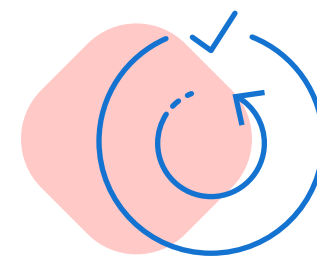
Automated, complete backups

When only a complete rollback will do, automated and on-demand, full-cluster snapshots offer peace of mind.

Contact our team for more information or to request a demo.

Ready to learn more?

Platform.sh

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