Skytap

Solution Data Sheet

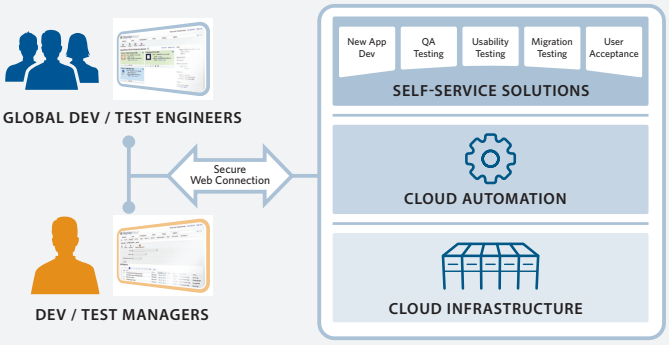
Cloud DevTest Environments

The Challenge

Today's enterprise must continuously deliver new customer-facing applications and services, while overcoming increasing change and complexity in IT. Companies want software delivered faster, so they split developers into smaller "agile" teams, so they can work in parallel.

But parallel development doesn't happen, because distributed teams come into contention for shared lab environments. Interdependencies force teams to wait on each other, even with cloud infrastructure, because of long provisioning and setup delays.

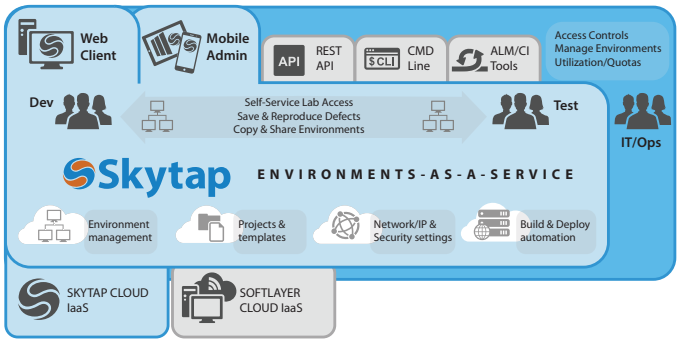
How can enterprises transform their software development lifecycle and deliver better software, faster?



Develop and Test in Cloud Labs

Customers use Skytap to manage, import, deploy and decommission on-demand environments that contain everything needed to accelerate the software lifecycle, without unnecessary costs and project delays due to manual configuration and dependencies. Enterprise IT organizations maintain full visibility and cost control, while allowing dev and test teams to self-provision labs and share complex environments across global regions with ease for a lasting boost in agility.

Skytap offers a management view, as well as supporting API and REST-based service calls and build commands. Customers can run on Skytap's own global cloud infrastructure, as well as leveraging leading public cloud



Skytap Environments-as-a-Service (EaaS) take enterprises beyond cloud infrastructure cost savings by providing collaborative environments for software development and testing. Key benefits include:

- Labor efficiency of reduced time spent on configuring environments and waiting on centrally provisioned labs
- Faster delivery of new software features to market
- Better quality through earlier testing to collaboratively resolve issues before they can escape into production
- Complete IT control and visibility for managing team usage and eliminating lab environment sprawl

CUSTOMER PROFILE

ELLIE MAE®

Ellie Mae, a mortgage and loan origination software company, adopted Skytap for global development and testing.

Results:

- Delivered higher quality software due to increased test coverage
- Shortened set-up and tear-down time for new environments by over 85% (1 day vs. 1-2 weeks)
- Reduced bug reproduction time by 80%

"Skytap provides us with far greater flexibility than physical IT labs."

Ron Yun, Director,
Quality Assurance, Ellie Mae

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Solution Data Sheet

Capabilities

Built for Complex environments

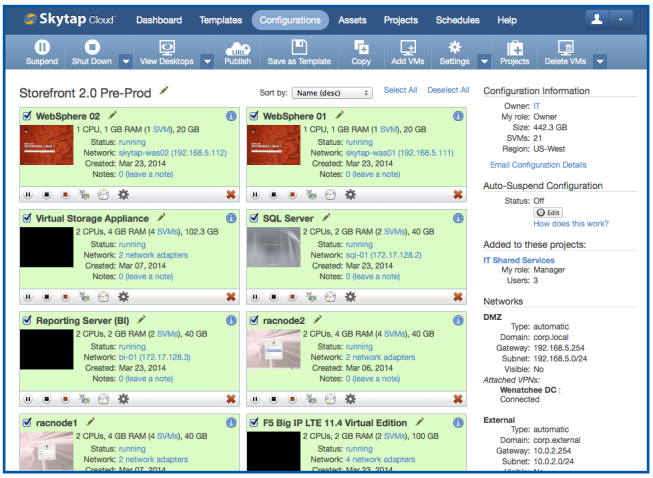
- Import environments that mirror production from VMs or select from libraries of multiple servers and cluster configurations
- Appliances/load balancers, advanced network configuration, IP settings and domain control
- Pre-loaded with data and virtual assets
- Connect intra-environment workflows
- Self-Service Web or Mobile console interface for management and notifications

Built for agile dev/test Collaboration

- Suspend, save, copy and share cloned environments across global cloud infrastructures
- On-demand, elastic cloud lab resources give teams parallel access without conflict
- Teams can rapidly launch new environments from saveed templates and configure them in the context of a project
- Copy-to-region to achieve "follow-the-sun" develop and test project cycles in nearby lower-latency datacenters
- Use Continuous Integration or Release Management tools and patterns to automate deployments in Skytap, including Jenkins, TFS, Puppet/Chef, IBM Urbancode and others.

Built for IT/Ops Control

- Deliver self-service provisioning of development and test labs through a console UI or REST-based API commands
- Management interface to maintain visibility into cloud usage and control costs
- Set permissions, usage quotas & policies by user, department or project, including chargebacks, burst resource availability and automated shutdown rules for idle resources.
- Offer universal access to labs with published URLs for external testers or auditors
- Connect back to in-house environments using a one-click VPN gateway, Active Directory and Public IP addresses
- Specify memory and CPU characteristics for each VM, with full root control and access machines via VNC, RDP, or SSH



Skytap significantly reduces software delivery constraints by eliminating the need to manually request and configure complex lab environnments throughout the SDLC.

Development and test teams can share and copy complete environments with ease, so innovation can take place while software defects are discovered and resolved earlier. Applications are delivered faster, with higher quality and lower infrastructure cost.

GETTING STARTED

1. Contact us for a Skytap account
2. Configure your environments
3. Get going immediately

All in less than one day!

www.skytap.com or 1-888-759-8278