Parasoft Service Virtualization and Skytap Cloud:
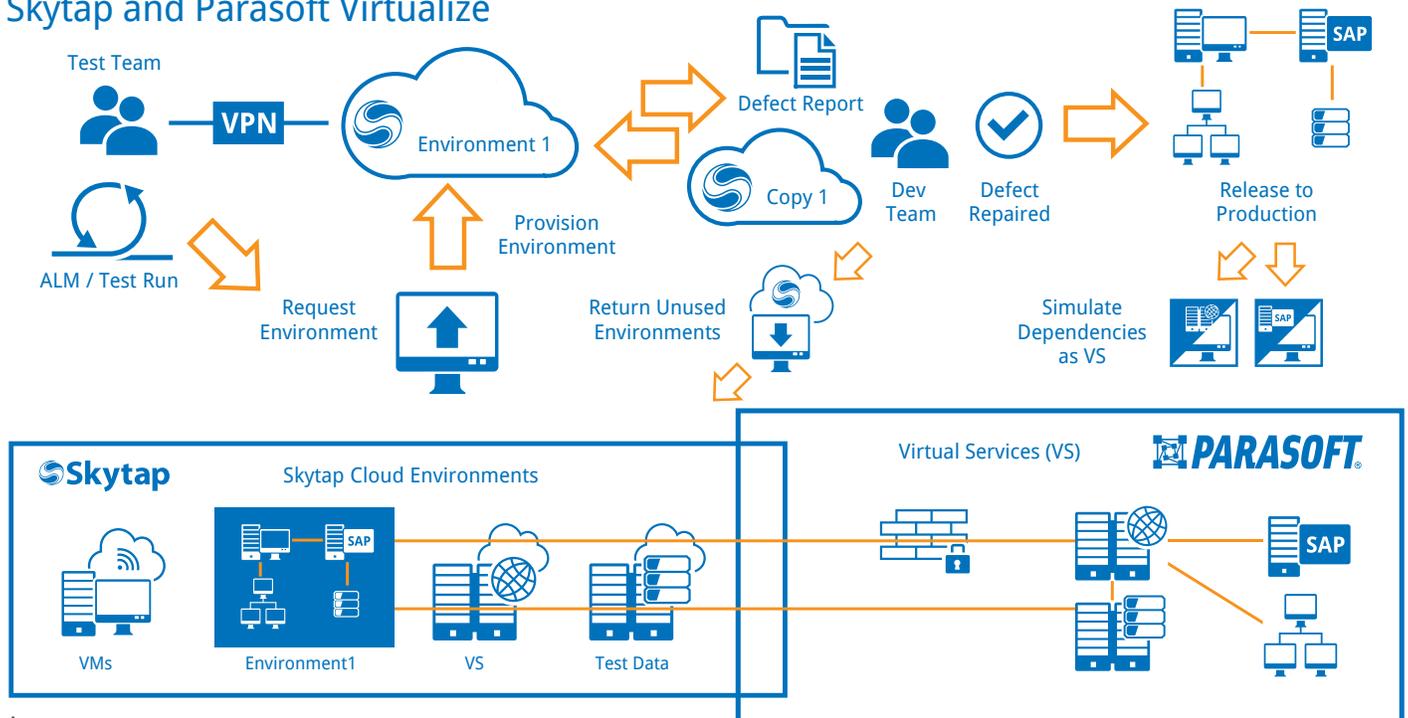## Simulating Complex DevTest Environments

Execute more comprehensive tests—in complete on-demand environments

You can't truly accelerate the SDLC without a dependable continuous testing process. Evolving from automated to continuous testing requires on-demand access to a complete, realistic test environment. Yet, such access can be extremely difficult to achieve with today's increasingly complex and interdependent applications. Consider these recent research findings: *

- On average, organizations require access to 33 systems for dev/test, but have unrestricted access to only 18
- Only 4% of participants report immediate, on-demand access to dev/test lab environments
- The majority of participants wait days or weeks to gain access to lab environments
- These constraints frequently slow or stop the progress of development (44%) and testing (68%)

Attempting to increase test environment access by building out staged test environments with conventional infrastructure can be extraordinarily expensive. To help enterprises cost-effectively eliminate these constraints, Parasoft and Skytap have joined forces to deliver complete, production-like simulated test environments. All the systems that your organization can logistically image in the cloud are copied into an elastic Skytap Cloud environment. Those beyond the team's scope or control (e.g., third-party applications, SAP, mainframes, not-yet-implemented services, etc.) are simulated into the environment via Parasoft Service Virtualization.

Skytap and Parasoft Virtualize

* voke Market Snapshot Report: Service Virtualization

Unit, integration, functional, performance and security testing can then be performed as early, often and thoroughly as needed. Every team member can access the exact test environment he or she needs—without waiting for environment provisioning and test data setup, contending for shared resources, or worrying about impacting someone else's work. Moreover, complete test environments can be invoked, copied and deployed as part of the continuous integration process, enabling a level of automated deployment and validation vital to continuous release processes.

Skytap Cloud

Skytap Cloud is the world's most advanced cloud-based solution for managing and delivering just-in-time software development and test environments. Our innovative SaaS (software-as-a-service) approach was purpose-built to allow enterprise teams to capture, provision, share and tear down complete, high capacity dev/test environments in seconds or minutes, not days or weeks. Customers can incorporate leading service and data virtualization solutions such as Parasoft Service Virtualization into their environments to avoid constraints, realize faster release times and achieve higher quality, while eliminating the costs of manual configuration and underutilized capacity.

Skytap Cloud offers a lab 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 cloud infrastructure services such as AWS.

Parasoft Service Virtualization

Parasoft Service Virtualization extends Skytap solutions by providing access to the dependencies that are beyond your control, still evolving, or too complex to configure in a virtual test lab. For example, this might include third-party services (credit check, payment processing, etc.), mainframes and SAP or other ERPs.

With service virtualization, you don't have to virtualize an entire system when you need to access only a fraction of its available functionality. As you naturally exercise the application under test, Parasoft captures interactions with dependencies and converts this behavior into flexible "virtual assets" with easily-configurable response parameters (e.g., performance, test data and response logic). Sophisticated virtual assets can be created and provisioned for role-based access in a matter of minutes.

Skytap Features

- Instant self-service access for provisioning environments
- Rapid environment copy and share across global cloud infrastructures
- Full REST-based API and CLI
- CI integration for TFS, Jenkins and other leading release management tools
- Easy environment import and customization, including network and domain settings
- Administrative controls for setting departmental and team usage policies

Parasoft Features

- Open, automated infrastructure
- Easy to use, minimal learning curve
- Intelligent automated change control
- Unique environment-driven approach
- Holistic environment health monitoring
- Intuitive interface for simulating complex "what if" scenarios
- Broad, flexible support for protocols, transports, message formats

PARASOFT

101 E. Huntington Drive, Monrovia, CA 91016
Phone: (888) 305-0041
Email: info@parasoft.com

Skytap

719 2nd Ave. Suite 300, Seattle, WA 98104
Phone: (888) 759-8278
Email: sales@skytap.com