



OpenStack Interoperability Lab

OIL basics

OIL is an integration lab by Canonical where we repeatedly test our cloud partners' products, in countless Ubuntu OpenStack configurations.

OIL demonstrates why our solution is trustworthy and the preferred choice over competing solutions.

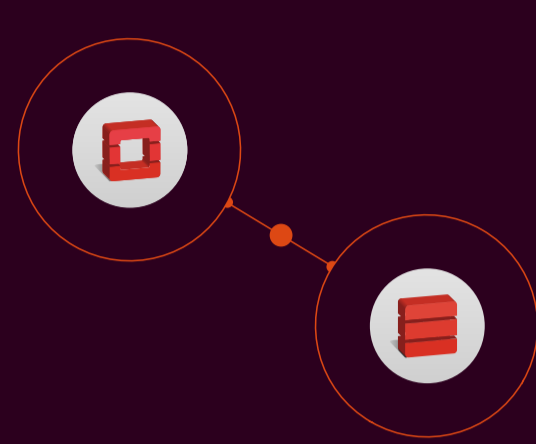


OIL tests hardware...

and OpenStack related software



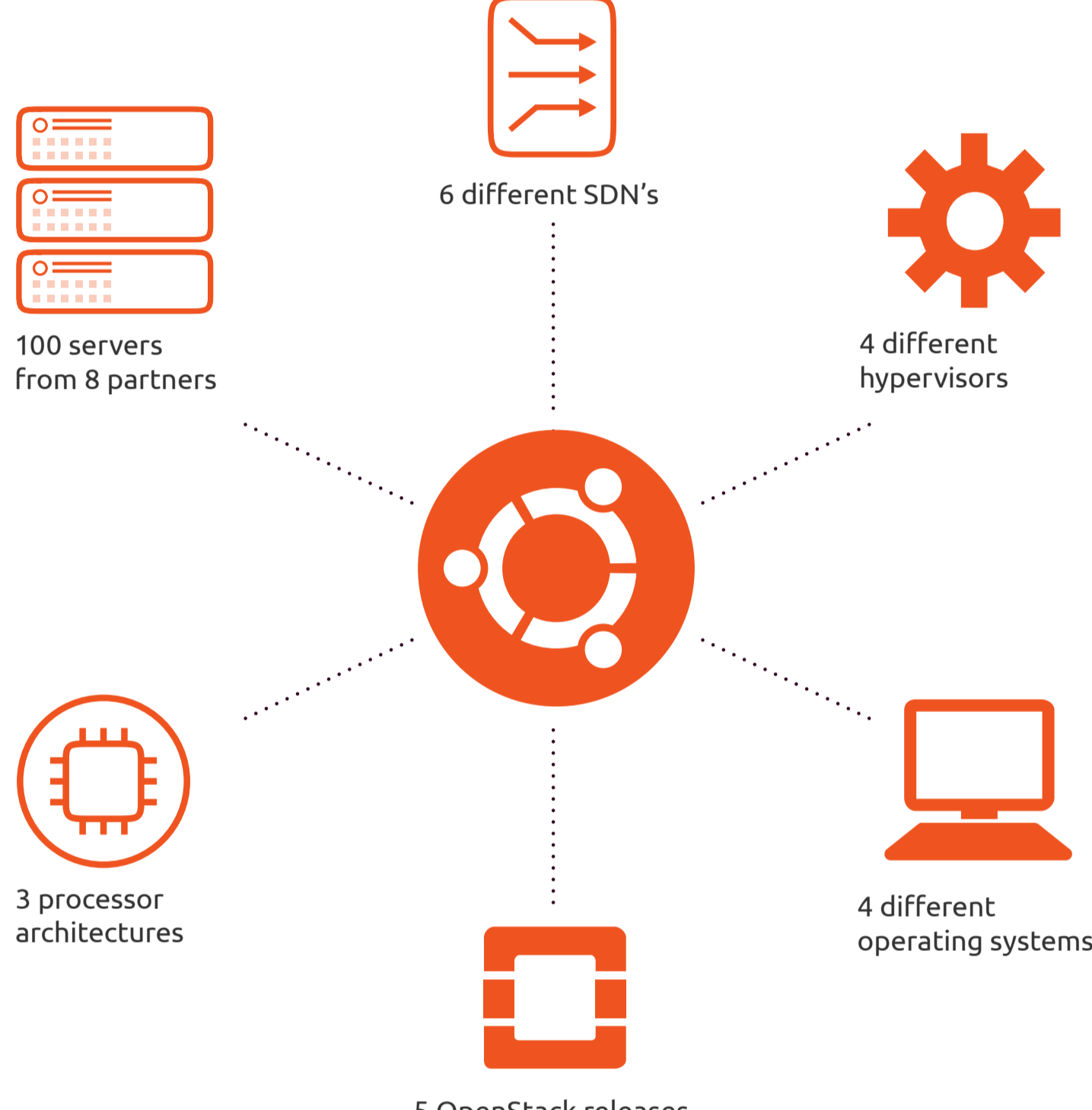
- servers
- storage appliances
- switches
- network appliances
- network cards
- storage cards



- OpenStack versions
- operating systems
- plug-ins for OpenStack
- hypervisors
- Software Defined Network (SDN)
- databases
- Software Defined Storage (SDS)
- Cloud management/billing software

Interoperability in OIL

OIL provides validation that numerous partner technologies work successfully with Ubuntu



Automation in OIL

New OpenStack configurations get built and tested constantly

over **15** parallel deployments being tested at any given time

up to **150** different combinations daily

up to **300** test cases on each deploy-

over **3,000** combinations per month

up to **500,000** test cases executed per month

Benefits to partners



- Automated testing confirms partner technology works with Ubuntu OpenStack
- Alerted if interoperability issues are encountered between their technology and Ubuntu OpenStack or partner technologies
- Partner technology receives ongoing testing as new partners join and as new releases of Ubuntu and OpenStack are available
- Assistance in resolving interoperability issues uncovered by OIL
- Listed on Canonical's OIL partner page and receive OIL Tested badge

Selection of OIL Partners

