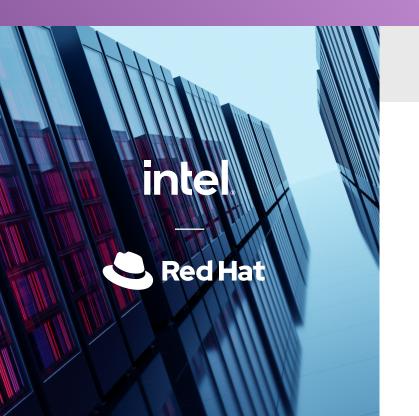**Solution Snapshot**

A Flexible Infrastructure Tailored to Innovate From Anywhere

intel.

—

Red Hat

The Challenge

It's the next normal for enterprises; a spike in digital transformation efforts last year is placing new demands on an IT infrastructure.

Computing is more distributed than ever before – enterprise IT needs more compute power to handle application and data proliferation prompted by digital transformation. An infrastructure must provide the foundation to handle these new demands and provide IT and developers the ability to design and move apps in a consistent way across different environments from the data center, to the cloud, to the edge.

Digital transformation requires a collection of technologies to work together to propel a business forward. Disparate or legacy technology can create integration challenges and impede progress.

According to IDC[1]
Over the next four years...

The number of applications will

Double

Data will grow

4–5x

A Highly Tuned Digital Infrastructure That Responds and Adapts to Your Business

Intel and Red Hat are working together to combine software and hardware components into a customized infrastructure tuned to the needs of achieving transformation goals. The Intel® Solution for Red Hat® OpenShift® Container platform delivers a cloud-native architecture that enables DevOps and IT to accelerate application deployment and easily scale applications across any cloud environment from on-premises, to hybrid, to the cloud and edge. The result is an open, interoperable infrastructure that flexibly handles the volume of applications and data with ease to innovate faster for a competitive advantage.

Solution Benefits

A Turnkey Solution

Deploy the solution in as quick as **60 minutes** with assurance that it works within your existing environment based on extensive validation.

Proven Uptime

3rd Generation Intel® Xeon® Scalable Processors are an essential component to the solution, delivering optimized performance and the ability to extend the processing power to any cloud environment seamlessly; in fact, the latest processors deliver an average **62% more performance** for network and 5G workloads over the prior generation.[2]

An Open Infrastructure

The Red Hat® OpenShift® Container Platform is the leading open-source[3] Kubernetes platform to develop and scale apps across any location. Coupled with Intel's hardware foundation built on open standards and APIs, enterprises are able to increase their application development and do it with consistency.

Built-in AI

3rd Generation Intel® Xeon® Scalable Processors are the only data center CPU with AI integrated into the platform. The integration can save customers space, cost, and energy efficiencies.

Quickly and easily right-size data nodes for your workload needs with Red Hat® OpenShift® Data Foundation with Intel® Optane™ SSDs.

1 Today's Trends in Cloud and the Future of Enterprise, December 14, 2020, Matt Eastwood.

2 See [91] at www.intel.com/3gen-xeon-config for details. Results may vary.

3 www.redhat.com

Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure. Your costs and results may vary. Intel technologies may require enabled hardware, software or service activation. Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

Want More Information?

Resources

Intel and Red Hat Reference Architecture for OpenShift Container Platform

Solution Brief: Intel and Red Hat

www.redhat.com

www.intel.com/redhat

3rd Generation Intel® Xeon® Scalable Processors

Intel® Optane™ Persistent Memory

Intel® Optane™ SSD P5800X

Intel® Ethernet Network Adapter E810-2CQDA2

Red Hat® OpenShift® Container Platform 4.6

Red Hat® OpenShift® Data Foundation

Solution Details