



# An Open Source Foundation for SAP Success with SUSE® and Google Cloud Platform

Few applications are as mission critical for organizations as those from SAP. By embracing the cloud, SAP has made it easier for organizations to use those applications to do more with less, impress customers and empower employees. With help from SUSE and Google, you can maintain the high performance and availability that SAP applications require, while getting the flexibility and scalability of the cloud.

## SUSE and Google Cloud Solutions for SAP at a Glance:

- *The assurance of working with leading SAP partners*
- *Enterprise security from kernel to cloud.*
- *Access to machine learning and artificial intelligence tools*
- *A range of high-availability options*

### Products:

- + *SUSE Linux Enterprise Server*
- + *SUSE Linux Enterprise Server for SAP Applications*
- + *Google Cloud Platform*

## SAP considers SUSE a coinnovation partner and uses SUSE solutions as an in-house development and implementation platform.

### Building an Intelligent Enterprise in the Cloud

Intelligent enterprises make smarter use of data assets to achieve outcomes faster and with less risk. One of the ways they do so is by embracing the cloud, where they can control pools of compute, storage and networking resources. But each cloud is different, and achieving the maximum benefit requires carefully considering what your applications require.

SUSE and Google offer an ideal solution for running SAP applications in the public cloud. With SUSE Linux Enterprise Server for SAP Applications on Google Cloud Platform, you have the leading operating system for SAP applications running on one of the world's most robust hyperscale

clouds. The combined solution offers:

### SECURITY

SAP solutions often contain vital business information, making their security paramount to your continued success. The combined solution provides security that you can have confidence in, with multiple forms of encryption. SUSE Linux Enterprise Server for SAP Applications provides kernel hardening and a built-in SAP HANA firewall. Google Cloud Platform (GCP) automatically discovers and redacts sensitive data. The solution's granular security controls enforce scalable, policy-driven security.

### INTELLIGENCE

To succeed in today's business environment, collecting enterprise data isn't enough. Organizations must find ways to mine data for insights that can power change and innovation. The SUSE and Google solution can help you get more from your data by tapping into Google's

**“SUSE software-defined infrastructure solutions enable customers to meet the changing demands of the digital economy, and support for Google Cloud Platform gives businesses flexibility to choose the deployment method that meets their needs with the leading Linux for SAP HANA and SAP S/4HANA.”**

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*Vice President of Global Alliances*  
SUSE

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machine learning and artificial intelligence tools. You can make your SAP environments more intelligent with built-in services and APIs that offer machine learning features for speech, text, images, translation, natural language processing and computer vision.

#### **HIGH AVAILABILITY**

The combined solution offers a range of high-availability options to ensure continuity in your SAP landscape. Your organization's day-to-day operations are likely to rely heavily on the availability of your SAP landscapes, making this a crucial benefit. SUSE Linux Enterprise Server for SAP Applications includes high-availability clustering capabilities and resource agents that automate the takeover of SAP HANA replicated database instances. GCP is certified to enable you to back up SAP HANA to a third-party server.

A number of other features, such as an installation wizard for SAP applications, can speed setup, streamline operations and help you get the most from your SAP investment.

#### **Solution Component**

##### **SUSE LINUX ENTERPRISE SERVER FOR SAP APPLICATIONS**

SUSE is SAP's chosen open source software-defined infrastructure provider—and SUSE Linux Enterprise Server for SAP Applications is the leading choice

in both on-premises and cloud deployments of SAP HANA and SAP applications. It provides a single Linux solution for all SAP applications, with optimized performance, reduced downtime and faster SAP landscape deployments.

In fact, SUSE Linux Enterprise Server for SAP Applications is the solution that SAP uses for its own internal applications, as well as for external-facing customer platforms. This relationship helps to keep you at the forefront of innovation and helps you reduce risk and variability by giving you the same platform that SAP uses internally.

#### **GOOGLE CLOUD PLATFORM**

GCP is certified to run SAP solutions reliably and optimally, delivering maximum performance and dependability. It offers simple provisioning, scalability and redundancy. GCP also enables you to rightsize SAP workloads with custom machine types. You can configure ideal CPU and memory capacities. When paired with sustained-use discounts, customizing your machine types can potentially save you more than 50 percent in infrastructure costs.

Google Compute Engine, the infrastructure-as-a-service portion of GCP, offers live migration to keep virtual machine instances running even when a host system event occurs, such as a software or hardware update.

Google Cloud Platform will soon offer 20

TB virtual machine instances to support large SAP HANA and SAP S/4HANA deployments—something no other public cloud currently offers.

#### **Working Together on SAP and Open Source Solutions**

SUSE and Google combine strong SAP partnerships with a commitment to open source solutions. SUSE is the leading independent provider of open source solutions, while Google's commitment to the community and developers can be seen in its major open source contributions. One of the most powerful reasons to choose SUSE, however, is our strong partnership of more than 20 years with SAP. SUSE is the trusted and preferred open source platform for SAP customers who want to unlock data intelligence, drive innovation and run with the best.