

SUSE YES System Certification Kit 9.0

SUSE Linux Enterprise – README FIRST



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SUSE LLC.

1221 SOUTH VALLEY GROVE WAY

VALLEY GROVE II | SUITE 500

PLEASANT GROVE, UTAH 84062, U.S.A.

www.SUSE.com

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Online SUSE Developer Services Program Guide Documentation: To access the online SUSE Developer Services Program Guide, see

<https://links.imagerelay.com/cdn/3404/ql/c0b0ca33142441b99c0e28f58d856629/suse-yes-certification-program-guide.pdf>

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About This Guide

The Server Yes Certification Test Kit for SUSE® Linux contains a procedure manual and all test tools necessary to test the SUSE® products used in the SUSE Yes Certified™ system certification process. The manual explains how to install the software and set up hardware and software configurations.

Audience

This manual is intended for users who have experience with computers, networking, Linux, and Microsoft Windows.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please contact your SUSE partner contact for feedback.

Documentation Updates

For the most recent version of the System Test Tools and documentation, visit System Test Tools for SUSE LINUX <https://www.suse.com/partners/ihv/yes/system-test-tools-for-suse-linux.html>.

Additional Information

For more Information on YES Certification, see:

SUSE YES Certified Program <https://www.suse.com/partners/ihv/yes/>

Partner Resources <https://www.suse.com/partners/become-partner/>

Documentation Conventions

A trademark symbol (®, ™, etc.) denotes a SUSE trademark. An asterisk (*) denotes a third-party trademark.



1 Certification Policies and Process

Use this test suite to certify systems with SLES (latest support pack).

1.1 Introduction

SUSE designed the tests contained in this SUSE YES Certification Test Kit to verify hardware compatibility between systems and SUSE products. This Test Kit contains written instructions and test tools for evaluating compatibility. SUSE highly encourages hardware vendors to use these tools during all phases of their hardware development, not just the final testing phase.

The SUSE YES Certification testing is intended to test a system and all of its components. All of the onboard components are required to be tested. The best approach is to test the system in its most capable marketed configuration. A system that is sold in multiple configurations should be tested with the maximum and the most extensive configuration possible. The most capable configuration will most likely take advantage of all components in the system. Also a most capable certified system can be used to create 3C bulletins which can represent a less capable configuration.

1.2 New Companies and New User Access

We use a database called SUSE Bulletin System (SBS) to create the YES Certification Bulletins. New Companies will need to provide their complete address and other information in order to be added to our SUSE Bulletin System (SBS) database. To have your company added to SBS, please read and follow the process for adding a new company to SBS in the SBS User Guide.

Access to the SBS database is needed to create and release YES Certification bulletins. New users will need to create an account in order to access SBS. To create a new user account please read and follow the process for creating a SBS user account in the SBS User Guide.

1.3 Test Results and Audits

SUSE will review the YES Certification test results and configuration for accuracy to ensure the system meets SUSE standard's for SUSE YES Certification. Most tests require a minimum time for running the YES Certification testing software. If the system encounters errors after the minimum test time, SUSE reserves the right to determine

pass/fail status of the system for that test.

SUSE will also perform periodic audits on submitted test results. SUSE may require the product and the test results of that product to be shipped to SUSE in order to perform an audit. SUSE will only issue a certification bulletin after the product passes the audit. In the event of an audit failure, SUSE will suspend authorization to perform testing. Upon failure, SUSE will determine whether to completely revoke testing authorization or only temporarily withhold authorization until compliance is fully met.



1.4 Company Testing Lab

All partner level participants must set up a test facility at their company for the purpose of performing system certification testing. The test lab must have a minimum of the following:

- Current copy of the SUSE YES Certification Test Kit
- Windows 2008 Server with latest service pack
- Windows 2012 Server with latest service pack
- Windows 2022 Server with latest service pack
- SUSE LINUX Enterprise Server 12 with the latest service pack (download from the SUSE website)
- SUSE LINUX Enterprise Desktop (SLED) 12 with the latest service pack (download from the SUSE website)
- SUSE LINUX Enterprise Server 15 with the latest service pack (download from the SUSE website)
- SUSE LINUX Enterprise Desktop (SLED) 15 with the latest service pack (download from the SUSE website)

1.5 Certification Process Overview

1. Ensure that you have the latest SUSE YES Certification Test Kit and documentation.
2. Install the OS and SUSE YES Certification Test Kit onto the Test Console (TC) system. See the TestConsole Document for detailed instruction. See the 1.6 SUSE YES Certification Documentation section below for more information.
3. Install the OS and SUSE YES Certification Test Kit onto the System under test (SUT). See the OS specific testing document for detailed instruction.
4. On TC create a testing project for the System Under Test (SUT).
5. On TC enter hardware component information about your SUT.
6. Perform the tests individually in the order (top to bottom) displayed in the test project contents window on TC. The stress tests must be started together at the same time and will take 12 hours to complete.
7. On TC, review the SUT testing project test results.
8. Report any changes to the product information to your assigned engineer (for DS250 and above only).



9. Be aware that changing the SUT System or CPU information in Test Console project after testing will reset the test results to untested.
10. Generate the bulletin submission (.zip) file then upload it into SBS.
11. In SBS review the bulletin submission then submit the bulletin for review. See the SBS Users Guide for detailed instruction.
12. SUSE will review the test report and process the bulletin submission. All communications about the bulletin will be done in the bulletin communications section of SBS, not through email. See the SBS users Guide for detailed instruction.
13. Once all issues are resolved, SUSE will submit your bulletin to final customer review. See the SBS users Guide for detailed instruction.
14. You will release the YES Certification Bulletin. The YES Certification Bulletins are publicly published and can be found at the YES CERTIFIED Bulletin Search site.

Notes: SUSE reserves the right to perform lab inspections at each authorized self-testing lab.

1.6 SUSE YES Certification Documentation

The SUSE YES Certification test kit has detailed documents to take you through the entire YES Certification process step by step from start to finish. Below is a list and brief explanation of some of the YES Certification Test kits documents.

1. `Readme_First_SCK_<kit_version_x>-<date>.pdf`. This document should be read first for an overview of the YES Certification program and the testing.
2. `TestConsole_SCK_<kit_version_x>-<date>.pdf`. This document is for setting up the TestConsole (TC). The TC controls the testing of the system under test (SUT).
3. `Server_Extended_SCK_<kit_version_x>-<date>.pdf`. This document is for setting up and testing the SLES Server OS on the SUT. Use this document to test a SLES server and to receive a Server bulletin.
4. `SLE_Micro_6_Server_Extended_SCK_<kit_version_x>-<date>.pdf`. . This document is for setting up and testing the SLE Micro Server OS on the SUT. Use this document to test a SLE Micro server and to receive a Server bulletin.



5. Work Station and Laptop_SCK_<kit_version_x>-<date>.pdf. This document is for setting up and testing a workstation, a laptop, or a tablet SUT. Use this document to receive a workstation type of bulletin.
6. KVM_Certification_<kit_version_x>-<date>.pdf. This document is for setting up and testing a SLES server with KVM Virtualized Guests on the SUT. Use this document to test a SLES server with KVM guests and to receive a KVM bulletin.
7. POS Certification _<kit_version_x>-<date>.pdf. This document is for setting up and testing a Point of Sale SUT. Use this document to test and receive a POS type of bulletin.
8. Troubleshooting_and_help_SCK_<kit_version_x>-<date>.pdf. This document contains troubleshooting and solutions to some problems which people may encounter during YES Certification testing. Use this document if you encounter issues while testing including test failures.
9. SBS_Users_Guide_SCK_<kit_version_x>-<date>.pdf. This document is for using the SUSE Bulletin database (SBS) and navigating the bulletin process. Use this document to learn how to submit your YES Certification Test results into SBS and to release your bulletin to the public from SBS.
10. Xen_Certification_<kit_version_x>-<date>.pdf. This document is for setting up and testing the SLES server with XEN Virtualized Guests on the SUT. Use this document to test a SLES server with XEN guests to receive a Xen bulletin.
11. Third_Party_Certification_<kit_version_x>-<date>.pdf. This document is for setting up and testing your hypervisor with SLES Guests on the SUT. Use this document to test a Non-SUSE Hypervisor (example: VMware).

1.7 Support Information / URL Addresses

If there are any questions regarding the SUSE System Test Kit or SUSE Partner program, please contact SUSE. Feel free to visit the following web resources for helpful information and updated tools:

SUSE Bulletin System Login Page

<https://www.suse.com/nbswebapp/yesCert.jsp>

Once logged in, you can access links regarding the SUSE YES Certified program.



YES System Test Tools for SUSE Linux

- Download the current certification test kit
- Download the current test kit documentation
- Download the products.zip file

<https://www.suse.com/partners/ihv/yes/system-test-tools-for-suse-linux.html>

YES Certified Bulletin Search

<https://www.suse.com/yessearch/Search.jsp>

SUSE YES Certified Program

<https://www.suse.com/partners/ihv/yes/>

YES Certified FAQ

<https://www.suse.com/partners/ihv/yes/frequently-asked-questions.html>

SUSE home website

<https://www.suse.com>



2 Revision History

Date	Description
February 2024	Updated for SCK 9.0.
February 2024	Added section 1.6 SUSE YES Certification Documentation
February 2023	Updated for SCK 8.8.
June 2022	Changed page size to 8.5 x 11.
December 2021	Migrated to latest SUSE Branding.
April 2021	Updated in preparation for the 8.6 test kit.
March 2020	Updated in preparation for the 8.5 test kit.
January 2020	Updated copyright to 2020
October 2019	Updated in preparation for the 8.4 test kit.
February 2019	Updated in preparation for the 8.3 test kit.
September 2018	Updated in preparation for the 8.2 test kit.
July 2018	First release of this independent document.

