

## Certifications

This collection shows the latest security certifications related to the Linux® on IBM Z® environment.

### IBM Z Logical Partitioning (LPAR)

All the **IBM z14™ (z14)** models are designed for Common Criteria Evaluation Assurance Level **5+** (EAL5+) certification for security of logical partitions. This means that the z14 is designed to prevent an application running on one operating system image on one LPAR from accessing application data running on a different operating system image on another LPAR on the server.

PR/SM® on **IBM z13® (z13)** GA2, **IBM z13s™ (z13s)** GA1 and **IBM LinuxONE™** Systems, Driver Level D27i, were evaluated under the Common Criteria at Evaluated Assurance Level **5+**. The BSI issued certificate ID [BSI-DSZ-CC-1005-2016](#)

PR/SM for **IBM zEnterprise® EC12 (zEC12)** GA2 and **IBM zEnterprise BC12 (zBC12)** GA1, Driver Level D15F was evaluated under the Common Criteria at Evaluated Assurance Level **5+**. The BSI issued certificate ID [BSI-DSZ-CC-0900-2014](#).

PR/SM on **IBM zEnterprise 196 (z196)** GA2, **IBM zEnterprise 114 (z114)** GA1, Driver Level D93G, were evaluated under the Common Criteria at Evaluated Assurance Level **5+**. The BSI issued certificate ID [BSI-DSZ-CC-0793-2012](#).

### z/VM®

IBM intends to evaluate **z/VM V6.4 with the RACF® Security Server** feature, including labeled security, for conformance to the Operating System Protection Profile (OSPP) of the Common Criteria standard for IT security, ISO/IEC 15408, at Evaluation Assurance Level **4 (EAL4+)**. As well, IBM intends to pursue an evaluation of the FIPS 140-2 using National Institute of Standards and Technology's (NIST) Cryptographic Module Validation Program (CMVP) for the System SSL implementation utilized by z/VM V6.4.



**z/VM 6.3 with the SSI and RACF Security Server** optional features has been certified to conform to the Operating System Protection Profile (OSPP) with Virtualization (-VIRT) and Labeled Security (-LS) extensions of the Common Criteria standard for IT security, ISO/IEC 15408 and 18045, at Evaluation Assurance Level **4+**. The BSI issued certificate ID [BSI-DSZ-CC-0903-2015](#).

**z/VM 6.1 with the RACF Security Server** optional feature has been certified to conform to the Operating System Protection Profile (OSPP) with Virtualization (-VIRT) and Labeled Security (-LS) extensions of the Common Criteria standard for IT security, ISO/IEC 15408 and 18045, at Evaluation Assurance Level **4+**. The BSI issued certificate ID [BSI-DSZ-CC-0752-2013](#).

### Linux

**Red Hat Enterprise Linux Version 7.1** has been evaluated at an approved evaluation facility using the Common Methodology for IT Security Evaluation (CEM), Version 3.1 for conformance to the Common Criteria for IT Security Evaluation (CC), Version 3.1. The evaluation achieved an Evaluated Assurance Level **4+**, augmented with ALC\_FLR.3. The BSI issued certificate ID [BSI-DSZ-CC-0999-2016](#).

**Red Hat Enterprise Linux Version 6.2 on IBM Hardware for Power® and z Systems Architectures** has been evaluated at an approved evaluation facility using the Common Methodology for IT Security Evaluation (CEM), Version 3.1 for conformance to the Common Criteria for IT Security Evaluation (CC), Version 3.1. The evaluation achieved an Evaluated Assurance Level **4+**, augmented with ALC\_FLR.3. The BSI issued certificate ID [BSI-DSZ-CC-0848-2012](#).



## Linux on IBM Z

**SUSE Linux Enterprise Server Version 12** has been evaluated at an approved evaluation facility using the Common Methodology for IT Security Evaluation (CEM), Version 3.1 extended by Scheme Interpretations for conformance to the Common Criteria for IT Security Evaluation (CC), Version 3.1. The evaluation achieved an Evaluated Assurance Level **4+**, augmented by ALC\_FLR.3. The BSI issued certificate ID [BSI-DSZ-CC-0962-2016](#).

**SUSE Linux Enterprise Server 11 Service Pack 2 on IBM z Systems** has been evaluated at an approved evaluation facility using the Common Methodology for IT Security Evaluation (CEM), Version 3.1 for conformance to the Common Criteria for IT Security Evaluation (CC), Version 3.1. The evaluation achieved an Evaluated Assurance Level **4+**, augmented with ALC\_FLR.3. The BSI issued certificate [ID BSI-DSZ-CC-0852-2013](#)

The latest information on **Ubuntu 16.04** security certification can be [found here](#).



©Copyright IBM Corporation 2018

IBM Systems  
Route 100  
Somers, New York 10589  
U.S.A.

Produced in the United States of America,  
04/2018

IBM, IBM logo, IBM Z, LinuxONE, Power, PR/SM, RACF, z13, z13s, z14, zEnterprise, z/VM and z Systems are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

InfiniBand and InfiniBand Trade Association are registered trademarks of the InfiniBand Trade Association.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

OpenStack is a trademark of OpenStack LLC. The OpenStack trademark policy is available on the [OpenStack website](#).

TEALEAF is a registered trademark of Tealeaf, an IBM Company.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Worklight is a trademark or registered trademark of Worklight, an IBM Company.

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates. It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and programs.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

