

zSecure Suite  
Version 2.1.1

*Release Information*





zSecure Suite  
Version 2.1.1

*Release Information*



**Note**

Before using this information and the product it supports, read the information in "Notices" on page 9.

**September 2014**

This edition applies to version 2, release 1, modification 1 of IBM Security zSecure products and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright IBM Corporation 2014.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

---

# Contents

<b>Chapter 1. What's new</b>	<b>1</b>
<b>Chapter 2. Release notes for IBM Security zSecure V2.1.1</b>	<b>3</b>
<b>Chapter 3. System requirements</b>	<b>7</b>
<b>Notices</b>	<b>9</b>
Trademarks	11



---

## Chapter 1. What's new

IBM® Security zSecure™ can help your company comply with industry regulations, enhance security intelligence, reduce cost, and protect your enterprise while supporting new cloud, mobile and big data applications. The family of IBM Security zSecure solutions can help you create the ultimate security platform, safeguard enterprise compliance and remain vigilant against threats.

IBM Security zSecure V2.1.1 suite features:

- **Compliance, auditing, and monitoring:**
  - The Compliance Testing Framework for automation of external standards has been extended with new features:
    - Default audit priorities added, plus SITE\_SEVERITY statement.
    - New report fields for compliance reports.
    - New report types COMPLIANCE\_OBJECT\_TYPE and COMPLIANCE\_RULE\_SET to summarize overall results.
  - Coverage for the Defense Information Systems Agency (DISA) Security Technical Implementation Guide (STIG) (DISA-STIG) and the Payment Card Industry - Data Security Standard (PCI-DSS) was extended for z/OS RACF and ACF2 to increase automation.
  - Added STIGplus (commercial version of STIG with additional subsystem alternatives).
  - New report types AS and AS\_DD to report on address spaces and allocated DD-names, and new SYSTEM fields to report on available subsystems.
  - New report type UNIX\_PS to report on UNIX processes.
  - New report type REPORT\_PROGRAM to report on additional programs beyond REPORT\_AC1.
  - Extensions to started task reporting to identify the procedure library member used to start them.
  - Annotations of covering security profile information to SENSDDSN.
  - New sensitivities and privileges added to TRUSTED vulnerability and RESOURCE.
  - Various properties added to ID.
  - New alerts and configurations for zSecure Alert.
  - New policies in zSecure Command Verifier.
- **Integrated mainframe security intelligence with:**
  - MQ resource collection and reporting:
    - MQ region reports
    - MQ channel reports
    - MQ connection reports
    - MQ initiator reports
    - MQ namelist reports
    - MQ process reports
    - MQ queue reports
    - MQ topic reports
  - DB2 objects: complete SAF protected object set now covered. The following reports were added:

- DB2<sup>®</sup> buffer pools
- DB2 collections
- DB2 global variables
- DB2 schemas
- DB2 user data types
- DB2 objects: access control list analysis for ACF2.
- IBM InfoSphere<sup>®</sup> Guardium<sup>®</sup> Vulnerability Assessment: pass SAF protected object set to Guardium, including new object type for DB2 11. The Guardium integration encompasses both DB2 internal security and security through SAF for RACF and ACF2.
- New product: zSecure Adapters for QRadar SIEM (5655-AD8) offers a LEEF integration that is equivalent to the existing one, at a lower price point, for clients that do not require the full power of the zSecure Audit product.
- **CICS<sup>®</sup> 5.2 currency**
- **Troubleshooting: CKRCARLA - extra diagnostics**
  - Extra keywords on SHOW statement:
    - CKFIN**  
Input parameters to CKFCOLL that determine collected data.
    - CKFMSG**  
Error and warning messages issued by CKFCOLL during creation of the CKFREEZE snapshot data set.
  - Error if incomplete CKFREEZE; see Messages CKR2225 and CKR2226.
  - Amount of information collected for data sets for various types of queries:
    - SUPPRESS\_VSAM\_SHORTCUT**  
Disables common assumptions about VSAM clusters.
    - DEBUG VSAMPROF**  
Shows information about VSAM Cluster that is used to determine correct RACF<sup>®</sup> profile.
    - DEBUG TAPEPROF**  
Shows information about TAPE data sets that is used to determine correct RACF profile.
- **Usability enhancements:**
  - Access Monitor extensions
  - WebISPF fixes
  - New CARLa report types and fields
  - zSecure Alert PCI-DSS configuration
  - Monitoring Tivoli<sup>®</sup> Workload Scheduler
  - ACF2 access matrix for DB2
  - Usability improvements
- **Documentation:**  
The chapters on the CARLa command language and the NEWLIST fields have been split off from the User Reference Manuals into a separate, licensed, book: *IBM Security zSecure CARLa Command Reference*, LC27-6533-00. This book combines the information for RACF, ACF2, and Top Secret.

For more information about the new functions, see “Announcement” on page 3.



---

## Chapter 2. Release notes for IBM Security zSecure V2.1.1

IBM Security zSecure V2.1.1 is available. Read this document to find important installation information. You can also learn about compatibility issues, limitations, and known problems.

If you are upgrading from a version of IBM Security zSecure that is older than version 2.1.1, also see the *Release Information* for the versions that you skipped. You can retrieve the *Release Information* documents, starting with IBM Security zSecure version 2.1.1, and read starting with the oldest version at the IBM Knowledge Center for IBM Security zSecure Suite.

This chapter covers the following topics:

- “Announcement”
- “System requirements”
- “Installing IBM Security zSecure”
- “Incompatibility warnings” on page 4
- “Limitations and known problems” on page 5

### Announcement

For more information about IBM Security zSecure and the new functions in V2.1.1 as listed in Chapter 1, “What's new,” on page 1, see the announcement (ENUSZP14-0344). The announcement includes information about

- Prerequisites and technical information
- Terms and conditions and ordering details

The *Documentation CD* (LCD7-5373-01) will not be in the ordering systems until early October. An image will be available on the web as of 5 September 2014. Send email with your customer number to [tivzos@us.ibm.com](mailto:tivzos@us.ibm.com).

### System requirements

For detailed information about the system requirements, see Chapter 3, “System requirements,” on page 7.

### Installing IBM Security zSecure

For installation instructions, see the following topics:

- Program directories
- Installation and deployment
- zSecure CICS Toolkit
- zSecure Command Verifier
- zSecure Visual Client

For a complete installation roadmap on all steps to install, configure, and deploy a new installation of zSecure or an upgrade to IBM Security zSecure V2.1.1, see the *IBM Security zSecure CARLa-Driven Components Installation and Deployment Guide* at the IBM Knowledge Center for IBM Security zSecure Suite.

## Migrating from a previous version of zSecure:

- **Compliance Framework:**

Run job CKAZCUST to create new CKACUST members. Only new members are added, existing members are not changed.

- **Upgrading a shared SMP/E zone:**

IBM Security zSecure 2.1.1 does not include Tivoli Compliance Insight Manager Enabler for z/OS®. Therefore, product remains at 2.1.0. Clients who currently have a shared SMP/E zone for this product and other IBM Security zSecure products must note the following:

- Product feature codes are release-specific; the 2.1.0 feature codes do not work with the 2.1.1 code base, so upgrading to 2.1.1 disables Tivoli Compliance Insight Manager Enabler.
- Tivoli Compliance Insight Manager Enabler function is a subset of the zSecure Audit function; it might be possible to work with an upgraded zone that contains zSecure Audit. If you want to continue using Tivoli Compliance Insight Manager Enabler 2.1.0 and you have a shared installation, you must create an additional zone. Also note that the zSecure Admin component RACF-Offline must be installed into the same SMP/E zone as z/OS.

## Incompatibility warnings

### Installation and deployment

#### Alerts 1112 and 1113

If you are using alerts 1112 or 1113, you must reverify and refresh your alert configuration to include support for password changes during logon or job-start. As already documented, you must also have SETROPTS AUDIT activated for the USER class.

#### Tivoli Compliance Insight Manager Enabler

Tivoli Compliance Insight Manager Enabler for z/OS version 2 release 1 (V2.1) will remain the last release of that product. Note that Tivoli Compliance Insight Manager Enabler shares components with other zSecure products. When a shared installation is upgraded to 2.1.1, the 2.1.0 Tivoli Compliance Insight Manager Enabler is disabled. Therefore, if you share an installation between products, you must do a migration action to do a new installation rather than an in-place upgrade (see Upgrading a shared SMP/E zone).

### Administration and operation

#### Changed behavior of the less than(<) operator for RACF date fields

The Less than operator (<) in the SELECT/EXCLUDE statement applied against RACF date fields no longer considers missing values. Therefore, the less than condition for such cases results in a no match outcome.

#### REPORT AC1 and REPORT PADS output

The type=r\_ac1 AU.S displays and print format reports, as well as the REPORT AC1 output, now wrap short attributes in the AuthAttr column to be on the same line if they fit.

The type=r\_pads AU.S displays and print format reports, as well as the REPORT PADS output, now wrap short attributes in the AuthAttr column to be on the same line if they fit.

Also, a new attribute APF is shown as the first attribute if applicable for TYPE=R\_PADS output.

### **Messages CKR2225 and CKR2226**

Messages CKR2225 and CKR2226 indicate that a VERIFY or NEWLIST was requested, but that no CKFREEZE file was connected (CKR2225) or that the CKFREEZE was restricted in content (CKR2226). These messages are suppressible, but results are unpredictable.

### **Limitations and known problems**

At the time of publication, there are no limitations or known problems to report for IBM Security zSecure V2.1.1.

Limitations and problems that arise after publication of this *Release Information* document are documented in technotes. Therefore, regularly scan for updates on IBM Security zSecure at Search support and downloads.



---

## Chapter 3. System requirements

This section lists the supported platforms and processor, space, and memory requirements for IBM Security zSecure V2.1.1 and the supported platforms and applications.

### Requirements

Minimum and advised processor, disk space, and memory requirements for IBM Security zSecure V2.1.1 and its Compliance, Auditing, and Administration solutions:

	Minimum	Advised
Processor	Z800	IBM System z9® or z10™ Enterprise Class (EC) or z9® or z10 Business Class (BC)
Disk space	300 MB	450 MB
Memory	1 GB	2 GB

For programming and space requirements, see the following zSecure program directories:

- The zSecure Admin RACF-Offline component has its own *Program Directory for RACF-Offline*.
- All other CARLa-driven components of zSecure have a common *Program Directory for Security zSecure Suite CARLa-driven components*.

These program directories are available with the product at the IBM Knowledge Center for IBM Security zSecure Suite.

For a complete installation roadmap on all steps to install, configure, and deploy a new installation of zSecure or an upgrade to IBM Security zSecure V2.1.1, see the *IBM Security zSecure CARLa-Driven Components Installation and Deployment Guide* at the IBM Knowledge Center for IBM Security zSecure Suite.

### Supported platforms and applications

IBM Security zSecure products are supported on the following platforms and applications:

- IBM z/OS version 1 release 12 (V1R12) through z/OS version 2 release 1 (V2R1).
- CICS Transaction Server version 3 release 1 (V3R1) through version 5 release 2 (V5R2).
- DB2 version 9 release 1 (V9R1) through DB2 version 11 release 1 (V11R1).
- IMS™ version 11 (V11) through version 13 (V13).
- WebSphere MQ version 7 release 0 modification 1 (V7.0.1) through IBM MQ for z/OS version 8 (V8).
- CA ACF2 release 14 and 15.
- CA Top Secret release 14 and 15.
- zSecure Visual Client requires Microsoft Windows 7 or 8.
- All currently supported versions of WebSphere HTTP server.

- Integrated Cryptographic Services Facility (ICSF) is supported up to HCR77A1.

zSecure 2.1.1 no longer provides service for z/OS version 1 release 11 (V1R11) and Omegamon on z/OS version 4 release 2 (V4R2).

zSecure 2.1.1 no longer includes Tivoli Compliance Insight Manager for z/OS. The final supported release is version 2 release 1 (V2R1); it is no longer upgraded.

---

## Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing  
IBM Corporation  
North Castle Drive  
Armonk, NY 10504-1785  
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing  
Legal and Intellectual Property Law  
IBM Japan, Ltd.  
1623-14, Shimotsuruma, Yamato-shi  
Kanagawa 242-8502 Japan

**The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:**

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement might not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web

sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation  
2Z4A/101  
11400 Burnet Road  
Austin, TX 78758 U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurement may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

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

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not



been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. You may copy, modify, and distribute these sample programs in any form without payment to IBM for the purposes of developing, using, marketing, or distributing application programs conforming to IBM's application programming interfaces.

If you are viewing this information in softcopy form, the photographs and color illustrations might not be displayed.

---

## Trademarks

IBM, the IBM logo, and [ibm.com](http://www.ibm.com) are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

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

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

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.

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.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

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

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Other company, product, and service names may be trademarks or service marks of others.







Printed in USA