

# Smartcrypt / PKZIP / SecureZIP for z/OS

## Getting Started

### ▼ [Base Installers](#)

Contact your PKWARE Sales Representative for evaluation copies of Smartcrypt for z/OS

#### Product

[PKZIP v16.1 for z/OS](#)

[SecureZIP v15.0 for z/OS](#)

## Self Help

- [FAQs](#)
- [Release Notes](#)
- [How to Guides](#)
- [How to Videos](#)
- [Knowledge base](#)
- [Notifications](#)
- [z/OS HIPER Notifications](#)

Product Updates

**Upgrade Notice**

You cannot upgrade to a new version using the levelsets below, expand the base installer link above in order to access them.

| Name                                   | Format | Size   | Post Date  |
|--|--------|--------|------------|
| Smartcr ypt V16.0 Levelset (Refresh 7) | EXE    | 37.6MB | 12.21.2018 |
| PKZIP v16.0 Levelset (Refresh 7)       | EXE    | 39.6MB | 10.26.2018 |
| PKZIP v15.0 Levelset (Refresh 15)      | EXE    | 32.3MB | 02.26.2019 |
| PKZIP v14.0 Levelset (Refresh 15)      | EXE    | 28.6MB | 08.06.2018 |
| PKZIP v12.0 Levelset (Refresh 10)      | EXE    | 22.5MB | 06.10.2015 |
| SecureZ IP v15.0 Levelset (Refresh 15) | EXE    | 34.4MB | 02.26.2019 |
| SecureZ IP v14.0 Levelset (Refresh 15) | EXE    | 30.2MB | 08.06.2018 |
| SecureZ IP v12.0 Levelset (Refresh 10) | EXE    | 23.7MB | 06.10.2015 |
| PKWAR E Key Maker                      | ZIP    | 6.86MB | 01.22.2018 |

Installation Instructions

Installation instructions are included in the self extracting EXE that contains the install files as Readme.txt

PKZIP(R) for z/OS Version 16.0a  
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SecureZIP(R) is a registered trademark of PKWARE(R), Inc.

Change Font to Arial size 10 for best printing of this document.

Last Updated on April 5, 2016

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I. INSTALLATION GUIDE:  
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This README is intended to provide a quick procedure to install PKZIP for z/OS version 16.0.

This product is designed to run on the following platforms:

- \* All releases of z/OS supported by IBM

To find out what is new in this release, please refer to the \$WHATNEW member of the pkware.mvs.HELP or the "WHATSNEW.TXT"

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II. BEFORE THE INSTALLATION:  
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The installation of PKZIP is comprised of 9 steps:

1. Downloading the product file from the PKWARE, Inc. website, or copy the self-extracting file from the cd media.
2. Double-clicking the file to extract the installation files on your PC  
(See section III. FILES INCLUDED IN SELF-EXTRACTING ZIP FILE).
3. Transferring the INSTALL.JCL to the Host z/OS system  
(See section IV. TRANSFERRING THE INSTALL JCL TO THE HOST).
4. Transferring the INSTALL.XMIT dataset from your PC to the host OS/390 or z/OS system (See section V. TRANSFERRING THE XMIT DATASET TO THE HOST).
5. Running the INSTALL.JCL job which also provides the optional configuration for an SMP/E install and OVERWRITE option.  
(See section VI. RUNNING THE INSTALL.JCL).
6. OPTIONAL- Editing the INSTALL.JCL to select the SMP/E installation JCL  
(See section VII. SMP/E INSTALLATION).
7. Tailoring the installation by modifying the

defaults module:(ACZDFLT)

(See section VIII. TAILORING YOUR PROD\_U INSTALLATION).

8. Running License Report and calling PKWARE to obtain the product key

(See section IX. INITIALIZING PROD\_U FOR z/OS FOR A TRIAL).

9. Installing the ISPF panels and libraries (See section X. ACTIVATING THE ISPF INTERFACE).

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### III. FILES INCLUDED IN SELF-EXTRACTING ZIP FILE

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DOCUMENTATION IS DISTRIBUTED IN ADOBE(R) ACROBAT(R) (\*.PDF) FORMAT.

The PKZIP-SecureZIP for zOS v16.0 portfolio.pdf includes the following:

- PKZIP-SecureZIP for zOS v16.0 Users Guide
- PKZIP-SecureZIP for zOS v16.0 Messages Guide
- PKZIP-SecureZIP for zOS v16.0 System Administrators Guide
- PKZIP-SecureZIP for zOS v16.0 Application Integration Guide

The portfolio provides the ability to search one or all manuals.  
If separate manuals are preferred, please contact Technical Support at 937.847.2687.

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### TEXT FILES

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LICENSE.TXT - PKWARE's software license agreement

GLOBAL CONTACTS.TXT - How to contact Domestic and international resellers

README.TXT - This file you are reading

INSTALL.JCL - Receive the Transmitted XMIT file. Default to

a NON SMP/E or alternatively specify an SMP/E

install with optional OVERWRITE to perform a

DELETE during TSO RECEIVE

WHATSNEW.TXT - A text file documenting product changes

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### BINARY FILES

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INSTALL.XMIT - A binary XMIT containing the following library files to be RECEIVED:

Library) - CEXEC (Compiled REXX  
- HELP (Message Library)  
- INSTLIB (Installation Library -  
FB) - INSTLIB2 (Installation Library -  
VB) - LOAD (Load Library)  
- MACLIB (Macro Library)  
- SPKZCLIB (REXX Library)  
- SPKZMLIB (Message Library)  
- SPKZPLIB (Panel Library)  
- SPKZSLIB (Skeleton Library)  
- SPKZTLIB (Table Library)  
- MCS (SMP/E Only)

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IV. TRANSFERRING THE INSTALL.JCL TO THE  
HOST:  
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(1) Transfer the text file "INSTALL.JCL" to the  
host. You may  
transfer the file into an existing PDS or you  
may use the  
allocation in step "2" below.

- Convert the data from ASCII to EBCDIC
- Insert CR/LFs

(2) A suitable allocation for "INSTALL.JCL" is as  
follows:

SPACE UNITS: BLKS  
BLKS: 5 (PRI)  
1 (SEC)  
DIRBLKS: 0  
RECFM: FB  
LRECL: 80  
BLKSIZE: 3120  
DSORG: PS

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V. TRANSFERRING THE XMIT DATASET TO  
THE HOST:  
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When transferring the INSTALL.XMIT file to the  
host, it is imperative that  
BINARY mode is used to prevent any kind of  
translation of the data.  
If any form of translation occurs, your uploaded  
dataset will be corrupted.

(1) Allocate the INSTALL.XMIT to the installation  
HLQ

(Example: pkware.mvs.INSTALL.XMIT).  
A suitable allocation is as follows:

SPACE UNITS: CYLS  
BLKS: 100 (PRI)  
10 (SEC)  
DIRBLKS: 0  
RECFM: FB  
LRECL: 80  
BLKSIZE: 3120  
DSORG: PS

(2) Transfer the distribution dataset  
INSTALL.XMIT from your PC  
into the target data set.

- Do not translate the data
- Do not insert CR/LFs

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VI. RUNNING THE INSTALL.JCL:  
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The INSTALL.JCL will perform either a NON  
SMP/E or SMP/E install.

There is a built-in user switch in the Optional  
Configuration section  
to do an SMPE\_INSTALL setup, and/or an  
OVERWRITE.

(1) Before you submit the INSTALL.JCL, you will  
need to modify the job card.

(2) You will also need to specify the correct  
INDSN and DSNAMES values in  
the RECVXMIT STEP.

a) INDSN is the high level qualifier of the  
XMIT'd data set you  
transferred from the PC to the host.

b) DSNAMES is the DSN that gets created by  
this job.

It's what you want to call the installed  
PKZIP product libraries.

(3) Next, modify the job variables in the  
RUNINST step.

For Example:

```
PHLQ = 'pkware.mvs'  
PUNT = 'sysda'  
PVOL = 'volume'
```

(4) Submit the job, and review and correct any  
non-zero return codes.

(5) If a NON SMP/E installation is selected,  
confirm the final RC=0 for a  
successful completion of all steps and product  
installation.

(6) If an SMP/E installation is selected, confirm  
the final RC=0 for a  
successful completion of all steps and then  
continue on to step

VII. SMP/E INSTALLATION.

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VII. SMP/E INSTALLATION:  
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The installation and software management of  
PKZIP for z/OS can be  
accomplished with SMP/E. Although the product  
requires no operating  
system modifications or authorized routines, the  
ability to manage the

software is enhanced using IBM's SMP/E facilities.

(1) OPTIONAL: To delete existing PKZIP data sets, add a job card, modify and run the  
pkware.mvs.INSTALL.OUT(\$SMPCLN)

(2) To complete the SMP/E installation, add a job card, modify and run the  
pkware.mvs.INSTALL.OUT(\$SMPINST)

The following steps will be performed:

S01DFCSI - Define SMP CSI  
S02ALLOC - Define PKZIP data sets  
S03UCLIN - Update SMP configuration via UCLIN  
S04RECV - SMP Receive PKZIP  
S05APPLY - SMP Apply PKZIP  
S06ACCPT - SMP Accept PKZIP  
S07UPDAT - Update INSTLIB Sample members

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VIII. TAILORING YOUR PKZIP INSTALLATION:  
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The high level qualifier (pkware.mvs) you selected to use must be defined in the defaults module used for the installation of PKZIP for z/OS. This is accomplished by editing and assembling the sample provided in pkware.mvs.INSTLIB(ACZDFLT).

\*\*\*\*\* There is an SMP usermod in pkware.mvs.INSTLIB(ACZDFLUM) which can take the place of ACZDFLT AND ASMDFLT. \*\*\*\*\*

(1) Verify the following parameters to match your data set name high level qualifier for the installation of PKZIP for z/OS:

```
MCZDFLTS
TYPE=CSECT,          *

LICENSE_HLQ=pkware.mvs,
*

PARMLIB_DSNAME_ZIP=pkware.mvs.INSTLIB,
NOTE2 *

PARMLIB_DSNAME_UNZIP=pkware.mvs.INSTLIB,
NOTE2 *
```

The above "PARMLIB\_DSNAME\_ZIP/UNZIP" statements may be coded with the value "NULLFILE" if you choose not to use PARMLIB for ZIP and UNZIP defaults. Doing this will prevent PKZIP from allocating the PARMLIB during ZIP and UNZIP jobs.

(2) \*\*NOTE\*\*  
You may modify the other values in this module, or you may add to it. However, this can also be accomplished

through the

ISPF interface and selecting ZD or UD to further tailor the defaults. At minimum, the above three lines need to be modified, saved, and assembled in batch - see step (4) for assembling.

(3) Save any changes made to the ACZDFLT member.

(4) Edit the ASMDFLT member of the INSTLIB. You will need to use this member to re-assemble the ACZDFLT module you modified in the previous steps.

(5) Be sure to verify the high level qualifiers and UNITS before you save and execute this job.

(6) \*\*\* NOTE\*\*\*  
Do not modify anything within pkware.mvs.MACLIB(MCZDFLT).

(7) A PDS (without a member) may be specified to support -INCLUDE\_CMD.

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IX. INITIALIZING PKZIP for z/OS FOR A TRIAL:  
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You will need to contact PKWARE, Inc. Sales at 937.847.2374 and select option 1, or email sales at [pksales@pkware.com](mailto:pksales@pkware.com) to initialize your version of PKZIP for z/OS for the trial. If you do not work in the USA, please refer to the "Global Contacts.txt" file to contact a dealer in your region.

You will need to provide Sales with a license report. To run a license report, please edit and run the LICSHSYS member of the pkware.mvs.INSTLIB.

Please have the output of this report available when speaking with the account rep. You will be expected to supply the following information:

- \* Company Name
- \* Company Contact
- \* Phone number
- \* Contact Email

The license keys will be sent via email. To apply the key simply follow the step-by-step instructions contained within the body of the email.

After the license key has been successfully applied, you may proceed to the next step.

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X. ACTIVATING THE ISPF INTERFACE:  
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To configure PKZIP ISPF, you may need to make a few modifications to the pkware.mvs.INSTLIB(PKZSTART) member.

(1) Verify the following REXX environment variables:

```
env   = 'CEXEC'  
ispfhlq = 'pkware.mvs'  
llib = 'pkware.mvs.LOAD'
```

a) If your environment doesn't support compiled REXX, change the value of 'env' to 'EXEC'. This defaults to 'CEXEC'

b) Change the value of 'ispfhlq' to reflect the high level qualifier for the ISPF data sets. This defaults to 'pkware.mvs'

c) Change the value of 'llib' to indicate the name of the installed load library. The default is 'pkware.mvs.LOAD'

(2) Now save your changes to the PKZSTART member.

(3) To test whether your configuration has worked, simply type "EXEC" next to the PKZSTART member, or on the "Option" line enter  
TSO EXEC  
'pkware.mvs.INSTLIB(PKZSTART)'.

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GETTING HELP WITH YOUR INSTALLATION  
OR AUTHORIZATION CODE:  
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If you have questions concerning licensing or general account matters, please contact Customer Service at 937.847.2374 and select option 3, then 2 or email Customer Service at [pkcs@pkware.com](mailto:pkcs@pkware.com).

For Technical Support assistance, please contact the Product Services Division at 937.847.2687, or visit the support web site at <http://www.pkware.com/support/zos>.

The "Contact Information" section in the User's Guide lists the types of information needed to resolve issues with the product.

Thank you.

Product Services Division  
<http://www.pkware.com/support>

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- [Minimum Requirements for z/OS](#)
  - [Service Support Schedule for zOS Products](#)

## Request Help

### ▼ [Production Down](#)

- During normal business hours (Monday-Friday 8-6 Eastern) you can call 937-847-2687
- If you have 24x7 support please call the phone number you were given to have a technician paged
- If you do not have 24x7, submit a case via [Request help from a support technician](#) and put PRODUCTION DOWN in the title. A technician will respond as soon as they are available.

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