

# **ADOBE® EXCEPTIONS DEPLOYER**

## **TECHNICAL NOTE**

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#### Adobe® Exceptions Deployer Technical Note

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# Using Adobe Exceptions Deployer

Adobe Exceptions Deployer provides an automated way to deploy the packages in the Exceptions folder, that is, the packages that you would otherwise deploy separately before and/or after deploying the main MSI or PKG file.

Adobe Exceptions Deployer can be used to deploy only the payloads generated by AAMEE in the Exceptions folder. Payloads not generated automatically by AAMEE (for example downloaded from the web) can not be deployed using Adobe Exceptions Deployer.

Adobe Exceptions Deployer is available in the `utilities` folder. It is also copied to the Exceptions folder when you create a package using AAMEE.

**NOTE:** In this document, the packages in the Exceptions folder are referred to as “exception payloads.” If you created one or more packages previously using AAMEE, you can use Adobe Exceptions Deployer to automatically deploy the exception payloads. Adobe Exceptions Deployer works with packages created using current and previous versions of AAMEE.

In this article:

- ◆ [Background Information about Installation packages](#)
- ◆ [Using Adobe Exceptions Deployer to Deploy the Exception Payloads](#)

## Background Information about Installation packages

When creating an installation package, you provide the location of the product installation folder for the purchased suite product or point product you are packaging. AAMEE scans this folder and presents you with a list of applications and components that can be installed, from which you make your choices. All of these choices are recorded in the package.

When you create a package for enterprise deployment with AAMEE, two folders are created:

- ◆ The build folder contains the MSI (Windows) or the PKG (Mac OS) file for deployment with Microsoft SCCM or Apple ARD
- ◆ The Exceptions folder contains the payloads that must be installed separately.

## Packages in the Exception Folder

### On Windows

In Windows, the Exceptions folder includes all the packages that should be installed separately. This folder also contains the `ExceptionInfo.txt` file, which contains information on how to install the payloads manually.

On Windows, if you choose to include Acrobat, it is included in the exceptions folder and not in the main installation package.

## On Mac OS

On the Mac OS, if you selected the `DISABLE AIR COMPONENTS IN PACKAGE` option in the Configure Package screen, AIR-based components such as Adobe Community Help are not installed with the regular package. They are instead copied into the Exceptions folder, from where you install them. The instructions on installing are provided in the next sections.

If, however, on the Mac OS, you did not select the `DISABLE AIR COMPONENTS IN PACKAGE` option in the Configure Package screen, no components are copied to the Exceptions folder.

## Sequence of installation of packages in the Exceptions folder

Except for Acrobat for Windows, all packages in the Exceptions folder should be deployed *after* you have deployed the main MSI or PKG package. However, Acrobat for Windows should be deployed *before* you deploy the main package.

Therefore, if you are using Adobe Exceptions Deployer to deploy Acrobat on Windows, you should run Adobe Exceptions Deployer before deploying the main MSI package. For all other packages, you run Adobe Exceptions Deployer after deploying the main packages. If the Exceptions folder contains Acrobat for Windows as well as other packages, you run Adobe Exceptions Deployer twice—once before deploying the main MSI package (this will deploy Acrobat for Windows) and once after deploying the main MSI package (this will deploy the other packages).

# Using Adobe Exceptions Deployer to Deploy the Exception Payloads

In this section:

- ◆ [Adobe Exceptions Deployer zip package](#)
- ◆ [Requirements to run Adobe Exceptions Deployer](#)
- ◆ [Adobe Exceptions Deployer syntax and description](#)
- ◆ [Examples](#)
- ◆ [Return values](#)
- ◆ [Using the Adobe Exceptions Deployer Man page on Mac OS](#)
- ◆ [Adobe Exceptions Deployer log file](#)

## Adobe Exceptions Deployer zip package

The zip package contains two files:

- ◆ `ExceptionDeployer` file, which is the Adobe Exceptions Deployer executable file
- ◆ `ExceptionConfig` file, which contains configuration-related information for exception payloads.

**NOTE:** Do not edit the `ExceptionConfig` file—it contains internal configuration-related information to be used with Adobe Exceptions Deployer.

Adobe Exceptions Deployer should be run from the Exceptions folder. It is copied to the Exceptions folder when you create a package using AAMEE.

## Requirements to run Adobe Exceptions Deployer

- ◆ Adobe Exceptions Deployer should be launched with Admin credentials.
- ◆ There can only be a single running Adobe Exceptions Deployer instance on a machine.

## Adobe Exceptions Deployer syntax and description

Run Adobe Exceptions Deployer from the Exceptions folder, with the following syntax. The parameters in **bold** are mandatory.

### ExceptionDeployer

```
--workflow=install
--mode=pre|post
--INSTALLDIR=<path_of_installation_directory>
--installLanguage=<locale_code_for_Acrobat>
--abortOnFail
--help
```

**NOTE:** The `installLanguage` option is required only if you are installing Acrobat for Windows.

Parameter	Description
<code>--workflow=install</code>	The workflow in which Adobe Exceptions Deployer is to be used. Currently, <code>install</code> is the only workflow.
<code>--mode=pre post</code>	<p>Specifies whether Adobe Exceptions Deployer is being run before or after deploying the main package.</p> <p>Specify <code>pre</code> if you are running Adobe Exceptions Deployer to deploy the exception payload <i>before</i> deploying the main package. Currently, Acrobat for Windows is the only package that should be deployed before the main MSI package, and, therefore, requires Adobe Exceptions Deployer to be run before deploying the main package.</p> <p>Specify <code>post</code> if you are running Adobe Exceptions Deployer to deploy the exception payload <i>after</i> deploying the main package. Currently, all exception payloads except Acrobat for Windows should be deployed <i>after</i> deploying the main package.</p>
<code>--INSTALLDIR=&lt;path of installation_directory&gt;</code>	<p>The path to the directory in which the exception payload should be installed.</p> <p>Exception payloads should be installed in the same location in which the MSI or PKG file has been installed. You would have specified this information in the configuration screen while creating the main package.</p> <p>If you do not specify this option, the exception payloads are installed in the default location specified within the payload.</p>

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<code>--installLanguage=&lt;locale_for_acrobat&gt;</code>	Specifies the locale for the Acrobat package  <b>NOTE:</b> This option is required only if you are deploying Acrobat for Windows. If you specify this option for other packages, it will be ignored.  For a list of available locales for Acrobat in a particular suite, see the section <a href="#">Locales for different Acrobat configurations</a> .
<code>--abortOnFail</code>	Specifies whether Adobe Exceptions Deployer should continue with deployment of the next package if the deployment of one of the packages is unsuccessful.  Default is <code>false</code> , that is, if one of the packages can not be deployed, Adobe Exceptions Deployer does not exit—it continues with the deployment of the next package.
<code>--help</code>	Displays the command usage and syntax.

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## Locales for different Acrobat configurations

The following table provides the value of the locale to be specified for the `--installLanguage` option of the `ExceptionDeployer` command as explained in the section [Adobe Exceptions Deployer syntax and description](#)

<b>Suite GEO</b>	<b>Suite locales</b>	<b>Acrobat locales</b>	<b>Acrobat bundle</b>
<b>English</b>	English (North America)	en_US	Acro LS1
	English (International)	en_GB	
	German	de_DE	
	French	fr_FR	
	French Canadian	fr_CA	
<b>Japanese</b>	Japanese	ja_JP	Acro LS2
<b>Americas / Europe (Central Europe)</b>	English (North America)	en_US	Acro LS1
	English (International)	en_GB	
	German	de_DE	
	French	fr_FR	
	French Canadian	fr_CA	Acro LS6
	Spanish	es_ES	
	Spanish North America (es_MX)	es_ES	
	Spanish Latin America (es_LA)	es_ES	

<b>Suite GEO</b>	<b>Suite locales</b>	<b>Acrobat locales</b>	<b>Acrobat bundle</b>
	Italian	it_IT	
	Dutch	nl_NL	
	Portuguese (Brazil)	pt_BR	
	Swedish	da_DK	Acro LS7
	Danish	fi_FI	
	Finnish	sv_SE	
<b>ASIA</b>	Korean	ko_KR	Acro LS5
	Chinese Simplified	zh_CN	Acro LS3
	Chinese Traditional	zh_TW	Acro LS4
<b>Eastern Europe</b>	Russian	ru_RU	Acro LS9
	Turkish	tr_TR	
	Ukrainian	uk_UA	
	Czech	cs_CZ	Acro LS8
	Polish	pl_PL	
	Hungarian	hu_HU	
	North African French	fr_FR	Acro LS1
	Middle Eastern English Arabic	en_US	
	Middle Eastern English Hebrew	en_US	

## Examples

- ◆ The following command is used to deploy Acrobat for Windows. (You will recollect that Acrobat for Windows should be deployed before deploying the main package.) The `--mode=pre` option specifies that Adobe Exceptions Deployer is run before deploying the main package. The `installLanguage` is specified as `en_US` (US English)—this option is also mandatory while deploying Acrobat for Windows.

```
ExceptionDeployer --workflow=install --mode=pre --installLanguage=en_US
```

- ◆ The following command is used to deploy all the packages in the Exceptions folder (except the Acrobat for Windows package if present) The `--mode=post` option specifies that Adobe Exceptions Deployer is run *after* the main package has been deployed. Note that the `--installLanguage` option is not required here. Also, because the `--INSTALLDIR` option has not been specified, the exception payload will be deployed in the default location specified within the payload.

```
ExceptionDeployer --workflow=install --mode=post
```



- ◆ The following command specifies that the package(s) in the Exceptions folder should be deployed to the `\test` directory on the client machine. The assumption is that you had earlier deployed the main package to the `\test` location on the client machine

```
ExceptionDeployer --workflow=install --mode=post --INSTALLDIR=\test
```

- ◆ The following command specifies that the package(s) should be installed in the location `\test` on the client machine. Because the `abortOnFail` option is set to `true`, if one of the packages cannot be deployed, Adobe Exceptions Deployer will exit instead of continuing with the deployment of the next package.

```
ExceptionDeployer --workflow=install --mode=post --INSTALLDIR=\test
--abortOnFail=true
```

## Return values

After execution, Adobe Exceptions Deployer returns one of the following values:

0	Exception payload(s) deployed successfully
1	Generic error, for example an internal error
2	One or more payloads could not be deployed. For example, only two out of three payloads might have been deployed successfully.

Detailed information is available in the Adobe Exceptions Deployer Log file, explained in the next section.

## Using the Adobe Exceptions Deployer Man page on Mac OS

On Mac OS, you can use the Adobe Exceptions Deployer man page to get information on the syntax and usage from the command line. Use the following steps to set up the man page:

2. Mount the Adobe Exceptions Deployer dmg file.
3. Open a command terminal
4. Change the directory to the mounted dmg file.
5. Run the following command:

```
sudo sh Install_XDAManPage.sh
```

This sets up the Adobe Exceptions Deployer man page. You can now get the syntax and usage information by running the

```
man ExceptionDeployer command.
```

## Adobe Exceptions Deployer log file

The Adobe Exceptions Deployer log file provides detailed information about the events that occur during deployment of exception payloads.

The log file is named `ExceptionDeployer.log`. This file is located as follows:

- ◆ In Windows, the log file is in the `%temp%` location.
- ◆ In Mac OS, the log file is in the folder `~/Library/Logs/`.

Here are excerpts from contents of sample log files:

## ExceptionDeployer.log on Windows: before deploying the main MSI file

```

11/22/2011 15:19:36 [INFO] ExceptionDeployer - Build Version - 3.0.35.0
11/22/2011 15:19:36 [INFO] ExceptionDeployer - Logging Level verbosity Set to 4
11/22/2011 15:19:36 [INFO] ExceptionDeployer -

11/22/2011 15:19:36 [INFO] ExceptionDeployer -
#####
11/22/2011 15:19:36 [INFO] ExceptionDeployer - Launching the ExceptionDeployer...
11/22/2011 15:19:36 [INFO] ExceptionDeployer - *****
11/22/2011 15:19:36 [INFO] ExceptionDeployer - AcrobatProfessional10.0-EFG

11/22/2011 15:21:24 [INFO] ExceptionDeployer - The process return code is (0).
11/22/2011 15:21:24 [INFO] ExceptionDeployer - Exception deployment passed for
(AcrobatProfessional10.0-EFG)
11/22/2011 15:21:24 [INFO] ExceptionDeployer - *****
11/22/2011 15:21:24 [INFO] ExceptionDeployer - *****
11/22/2011 15:21:24 [INFO] ExceptionDeployer -

11/22/2011 15:21:24 [INFO] ExceptionDeployer - *****
11/22/2011 15:21:24 [INFO] ExceptionDeployer - AdobeContentViewer-mul

11/22/2011 15:21:24 [INFO] ExceptionDeployer - Install information not found for this
payload. Skipping the payload.
11/22/2011 15:21:24 [INFO] ExceptionDeployer - Exception deployment skipped for
(AdobeContentViewer-mul)
11/22/2011 15:21:24 [INFO] ExceptionDeployer - *****
11/22/2011 15:21:24 [INFO] ExceptionDeployer -
*****
#####
11/22/2011 15:21:24 [INFO] ExceptionDeployer - Ending the ExceptionDeployer Return Code (0)
11/22/2011 15:21:24 [INFO] ExceptionDeployer - #####
11/22/2011 15:21:24 [INFO] ExceptionDeployer - #####
11/22/2011 15:21:24 [INFO] ExceptionDeployer -

```

## ExceptionDeployer.log on Mac OS: after deploying the main PKG file

```

Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer - Build Version - 3.0.35.0
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer - Logging Level verbosity Set to 4
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -

Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -
#####
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer - Launching the ExceptionDeployer...
Tue Nov 22 16:24:08 2011 [ERROR] ExceptionDeployer - ExceptionDeployer not launched with
Admin privileges.
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -
#####
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer - Ending the ExceptionDeployer Return Code
(1)
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -
#####
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -
#####
Tue Nov 22 16:24:08 2011 [INFO] ExceptionDeployer -

Tue Nov 22 16:24:34 2011 [INFO] ExceptionDeployer - Build Version - 3.0.35.0
Tue Nov 22 16:24:34 2011 [INFO] ExceptionDeployer - Logging Level verbosity Set to 4
Tue Nov 22 16:24:34 2011 [INFO] ExceptionDeployer -

```

```
Tue Nov 22 16:24:34 2011[INFO] ExceptionDeployer -
#####
Tue Nov 22 16:24:34 2011[INFO] ExceptionDeployer - Launching the ExceptionDeployer...
Tue Nov 22 16:24:34 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:24:34 2011[INFO] ExceptionDeployer - AdobeContentViewer-mul

Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer - The process return code is (0).
Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer - Exception deployment passed for
(AdobeContentViewer-mul)
Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer -

Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:24:56 2011[INFO] ExceptionDeployer - AdobeDreamweaverWidgetsBrowser1.0-mul

Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - The process return code is (0).
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - Exception deployment passed for
(AdobeDreamweaverWidgetsBrowser1.0-mul)
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -

Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - AdobeHelp

Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - The process return code is (0).
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - Exception deployment passed for
(AdobeHelp)
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -

Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:02 2011[INFO] ExceptionDeployer - AdobeStory1.0-mul

Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer - The process return code is (0).
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer - Exception deployment passed for
(AdobeStory1.0-mul)
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer -
*****
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer -

Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer -
#####
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer - Ending the ExceptionDeployer Return Code
(0)
Tue Nov 22 16:25:10 2011[INFO] ExceptionDeployer -
#####
```

```
Tue Nov 22 16:25:10 2011 [INFO] ExceptionDeployer -  
#####  
Tue Nov 22 16:25:10 2011 [INFO] ExceptionDeployer -
```