



# Intall Abaqus 2017 on a Linux System

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## Description

This document aims to guide users to install and run Abaqus 2017 on a Linux machine. Table 1 summarizes the installation environments used in this guidance. Although Ubuntu is specified in the table, this instruction file is also suitable for installation of Abaqus on other Linux distributions (e.g. Archlinux, Fedora, etc.). The Linux desktop environment is not required. All installation steps are completed in terminal. Thus, this document is also suitable for users who want to install and run Abaqus on a Linux server remotely via SSH connection. But it should be highlighted that the administration right is required to complete the installation.

Table 1: Environments of Installation

Linux Distribution:	Ubuntu 14.04.4 LTS (64 bits)
Linux desktop environment:	N/A
Administration Right:	Yes
Abaqus version:	Abaqus 2017 (64 bits)

## Prerequirments

```
sudo apt-get install ksh lsb-core
```

## Install Required Packages

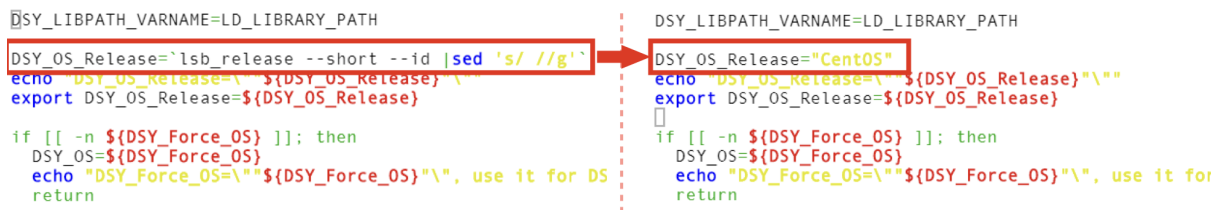
## Disguise Ubuntu as CentOS

```
Current operating system: "Linux"
DSY_OS_Release="Ubuntu"
Unknown linux release "Ubuntu"
exit 8
```

Figure 1: Unknown linux release

Table 2: Folders which contain the “Linux.sh“ files

<i>InstallationFilesFolder/1/inst/common/init</i>
<i>InstallationFilesFolder/1/SIMULIA_Documentation/Allos/1/inst/common/init</i>
<i>InstallationFilesFolder/2/SIMULIA_FLEXnet_LicenseServer/Linux64/1/inst/common/init</i>
<i>InstallationFilesFolder/2/SIMULIA_AbaqusServices/Linux64/1/inst/common/init</i>
<i>InstallationFilesFolder/2/SIMULIA_AbaqusServices_CAA_API/Linux64/1/inst/common/init</i>
<i>InstallationFilesFolder/2/SIMULIA_Abaqus_CAE/Linux64/1/inst/common/init</i>
<i>InstallationFilesFolder/2/SIMULIA_Tosca/Linux64/1/inst/common/init</i>
<i>InstallationFilesFolder/3/SIMULIA_Isight/Linux64/1/inst/common/init</i>



```
DSY_LIBPATH_VARNAME=LD_LIBRARY_PATH
DSY_OS_Release=$(lsb_release --short --id | sed 's/ //g')
echo "DSY_OS_Release=$(DSY_OS_Release)"
export DSY_OS_Release=${DSY_OS_Release}

if [[ -n ${DSY_Force_OS} ]]; then
    DSY_OS=${DSY_Force_OS}
    echo "DSY_Force_OS=${DSY_Force_OS}, use it for DS"
    return
fi
```

Figure 2: Change the “Linux.sh“ file

## Installation

```
# Installation of Abaqus CAE 2017
# Thu Jun 28 15:12:11 2018
plugin_central_dir="/var/DassaultSystemes/SIMULIA/CAE/plugins/2017"
doc_root="file:///usr/DassaultSystemes/SIMULIA2017doc/English"
license_server_type=FLEXNET
abaquslm license file="27004@cert1.srv.nuigalway.ie"
#academic=TEACHING
```

Figure 3: Change the license setting in the “custom\_v6.env“ file

## Start Abaqus