

# ArcaOS 5 Bootable USB Stick

from ANY Major OS

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# Prerequisites

- Stick must be at least 1800MB (~1.76GB)
- Host system may be Linux, Mac, Windows, or OS/2
- Stick will be wiped; back up any data on it!
- Ensure you have a backup of the host system!
- ArcaOS USB Stick creation package
- ArcaOS ISO

# Extract Stick & ISO Packages

```
lewis@dp45sg:/tmp/work> ls -l
total 1215296
-rw-r--r-- 1 lewis users      5953 Feb 12 01:23 aosboot.dfs
-rw-r--r-- 1 lewis users 18578649 Feb 12 01:22 arcaos-5.0.2-en-usb.imz
-rw-r--r-- 1 lewis users     59 Feb 12 02:13 arcaos-5.0.2-en-usb.md5
-rw-r--r-- 1 lewis users 1220806656 Mar 30 18:20 ArcaOS-5.0.2.iso
-rw-r--r-- 1 lewis users   1661988 Jan 13 16:18 dfsanlinux
-rw-r--r-- 1 lewis users   1912544 Jan 13 16:18 dfsanmacos
-rw-r--r-- 1 lewis users   956023 Jan 13 16:18 DFSANOS2.EXE
-rw-r--r-- 1 lewis users   523776 Jan 13 16:18 dfsanwin.exe
-rw-r--r-- 1 lewis users    2997 Feb 12 01:24 readusb.txt
lewis@dp45sg:/tmp/work>
```

# Prepare DFSee engine & run script

```
lewis@dp45sg:/tmp/work> chmod +x dfsanlinux  
lewis@dp45sg:/tmp/work> sudo ./dfsanlinux run aosboot.dfs  
root's password:_
```

# If necessary, identify stick device

```
DFSee version 15.0 2018-01-13 (c) 1994-2018: Jan van Wijk
===== [ www.dfsee.com ] =====

DFSee invocation : ./dfsanlinux run aosboot.dfs
Working directory : /tmp/work

UI TxWindows : 5.10 2018-01-13 (c) 1995-2018: Fsys Software
OS version : Linux 4.1.39 env TERM=linux root on dp45sg

OEM Engine use only, licensed to Arca Noae for installation
and maintenance on ARCA NOAE products

DFSee Linux 15.0 : executing: run aosboot.dfs

DFSee Linux 15.0 : executing: runscript aosboot.dfs
Creating new log : '/tmp/work/aosboot001.log' (7-bit ASCII)
Working directory : /tmp/work
 1 = MBR disk /dev/sda      ST1000DM003-1CH1      Size: 931.51 GiB
 2 = MBR disk /dev/sdb      ST1000DM003-1CH1      Size: 931.51 GiB
 3 = MBR disk /dev/sdc      Cruzer Glide          Size: 59.62 GiB

Automatic disk selection failed, you need to specify a disk-number as a
parameter, or attach an empty or removable disk and try again
Press [Space-bar] to continue ...
```

# Re-run script, specifying disk ID

```
lewis@dp45sg:/tmp/work> sudo ./dfsanlinux run aosboot.dfs 3
```

# Confirm wipe/creation

```
DFSee version 15.0 2018-01-13 (c) 1994-2018: Jan van Wijk
===== [ www.dfsee.com ] =====

DFSee invocation : ./dfsanlinux run aosboot.dfs 3
Working directory : /tmp/work

UI TxWindows : 5.10 2018-01-13 (c) 1995-2018: Fsys Software
OS version : Linux 4.1.39 env TERM=linux root on dp45sg

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DFSee Linux 15.0 : executing: run aosboot.dfs 3

DFSee Linux 15.0 : executing: runscript aosboot.dfs 3
Creating new log : '/tmp/work/aosboot003.log' (7-bit ASCII)
Working directory : /tmp/work
 1 = MBR disk /dev/sda      ST1000DM003-1CH1      Size: 931.51 GiB
 2 = MBR disk /dev/sdb      ST1000DM003-1CH1      Size: 931.51 GiB
 3 = MBR disk /dev/sdc      Cruiser Glide         Size: 59.62 GiB

Create bootable ArcaOS USB stick on 61050 MiB disk 3 using image
file arcaos-5.0.2-en-usb.imz, destroying ALL current contents of
disk 3? [Y/N] :
```

# Note result; eject & reinsert stick

```
DFSee Linux 15.0 : executing: run aosboot.dfs 3
```

```
DFSee Linux 15.0 : executing: runscript aosboot.dfs 3
```

```
Creating new log : '/tmp/work/aosboot003.log' (7-bit ASCII)
```

```
Working directory : /tmp/work
```

1 = MBR disk /dev/sda	ST1000DM003-1CH1	Size:	931.51 GiB
2 = MBR disk /dev/sdb	ST1000DM003-1CH1	Size:	931.51 GiB
3 = MBR disk /dev/sdc	Cruzer Glide	Size:	59.62 GiB

```
Create bootable ArcaOS USB stick on 61050 MiB disk 3 using image  
file arcaos-5.0.2-en-usb.imz, destroying ALL current contents of  
disk 3? [Y/N] : y
```

```
KBytes restored
```

```
*****
```

```
bootable ArcaOS USB stick install to disk 3 was successful.
```

```
Eject stick, reinsert, copy ArcaOS ISO to the ARCA_ISO directory on the  
stick as 'ARCAINST.ISO' to boot from it.
```

```
Press [Space-bar] to continue ...
```



# Copy ISO to ARCA\_ISO/ARCAINST.ISO

```
lewis@dp45sg:/tmp/work> cp ArcaOS-5.0.2.iso /run/media/lewis/AOSBOOT/ARCA_ISO/AR  
CAINST.ISO
```

# Final steps

- Properly eject stick (unmount, then remove!)
- Insert in target system
- Boot!