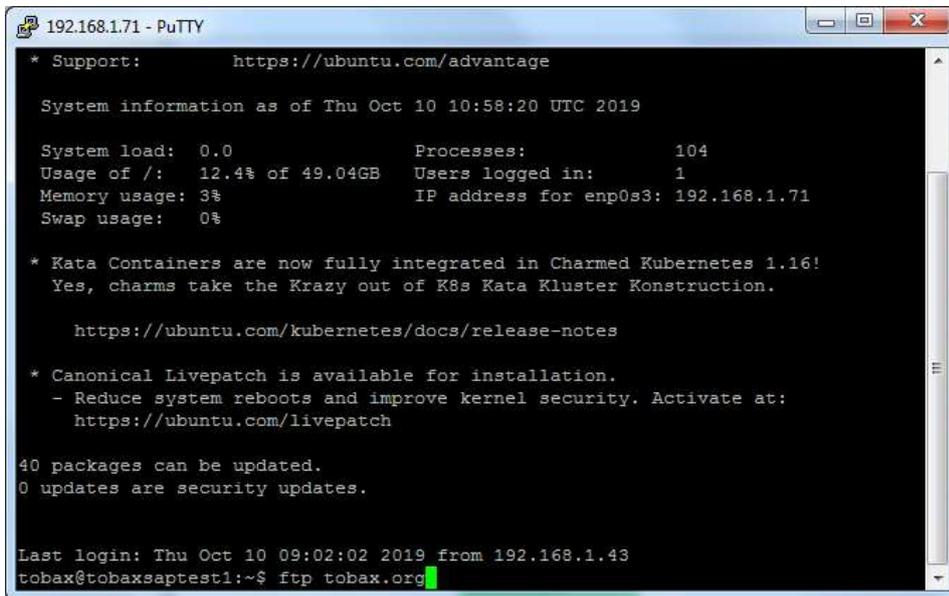


Anhand dieser Anleitung können Sie den Advantage Database Server auf Linux installieren, In unserem Beispiel haben wir dafür die Version 18.04 von Ubuntu genutzt. Um die Installationsdateien auf den Ubuntu Server zu übertragen, müssen Sie sich zuerst mit dem FTP-Server von tobax.org verbinden. Geben Sie dafür folgendes in ihr Terminal ein: "ftp tobax.org":



```
192.168.1.71 - PuTTY
* Support:      https://ubuntu.com/advantage

System information as of Thu Oct 10 10:58:20 UTC 2019

System load:  0.0          Processes:      104
Usage of /:   12.4% of 49.04GB  Users logged in:  1
Memory usage: 3%          IP address for enp0s3: 192.168.1.71
Swap usage:  0%

* Kata Containers are now fully integrated in Charmed Kubernetes 1.16!
  Yes, charms take the Krazy out of K8s Kata Kluster Konstruktion.

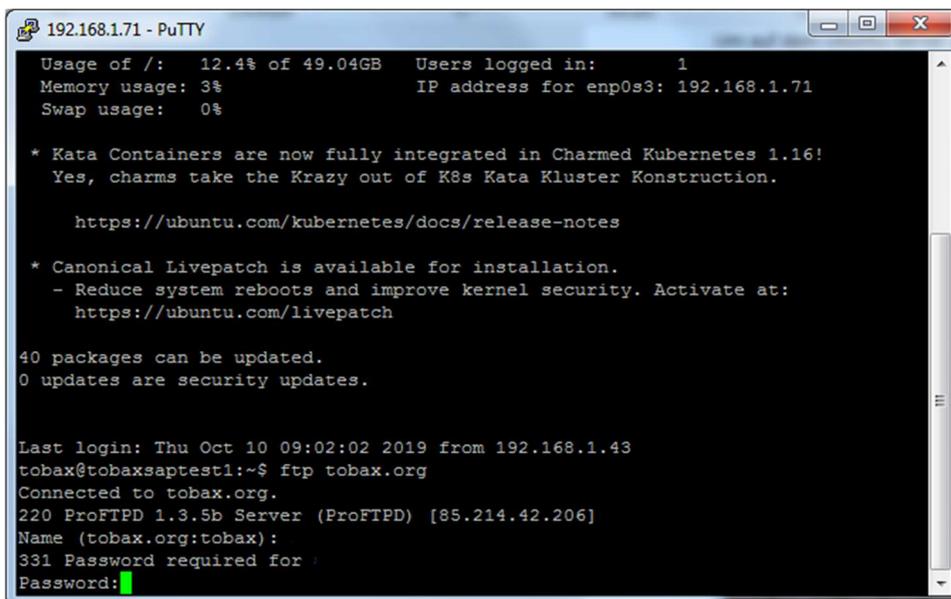
  https://ubuntu.com/kubernetes/docs/release-notes

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
  https://ubuntu.com/livepatch

40 packages can be updated.
0 updates are security updates.

Last login: Thu Oct 10 09:02:02 2019 from 192.168.1.43
tobax@tobaxsaptest1:~$ ftp tobax.org
```

Nachdem Sie das gemacht haben werden Sie aufgefordert ihren Benutzernamen und ihr Passwort einzugeben.



```
192.168.1.71 - PuTTY

Usage of /:   12.4% of 49.04GB  Users logged in:  1
Memory usage: 3%          IP address for enp0s3: 192.168.1.71
Swap usage:  0%

* Kata Containers are now fully integrated in Charmed Kubernetes 1.16!
  Yes, charms take the Krazy out of K8s Kata Kluster Konstruktion.

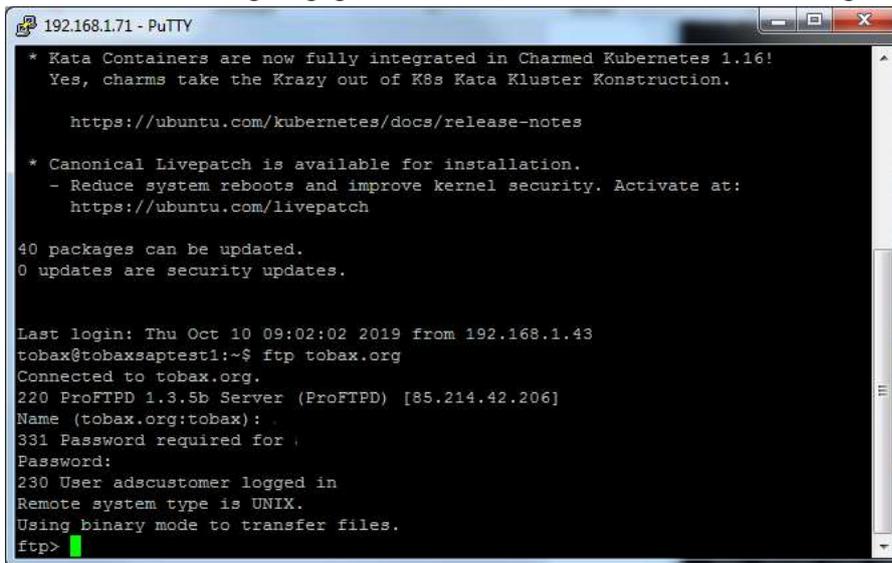
  https://ubuntu.com/kubernetes/docs/release-notes

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
  https://ubuntu.com/livepatch

40 packages can be updated.
0 updates are security updates.

Last login: Thu Oct 10 09:02:02 2019 from 192.168.1.43
tobax@tobaxsaptest1:~$ ftp tobax.org
Connected to tobax.org.
220 ProFTPD 1.3.5b Server (ProFTPD) [85.214.42.206]
Name (tobax.org:tobax):
331 Password required for :
Password:
```

Wenn Sie alles richtig eingegeben haben, sollten Sie im FTP-Server eingeloggt sein:



```
192.168.1.71 - PuTTY
* Kata Containers are now fully integrated in Charmed Kubernetes 1.16!
  Yes, charms take the Krazy out of K8s Kata Kluster Konstruktion.

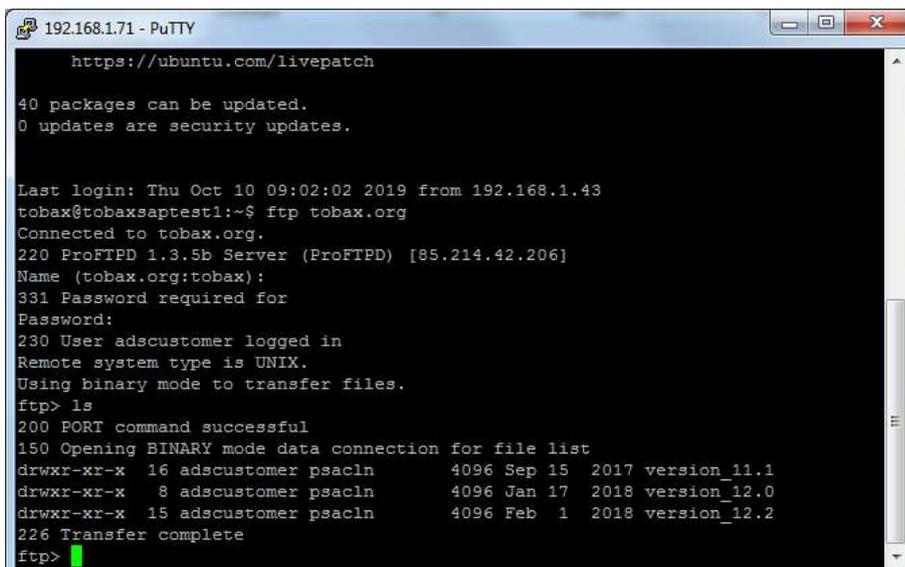
  https://ubuntu.com/kubernetes/docs/release-notes

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
  https://ubuntu.com/livepatch

40 packages can be updated.
0 updates are security updates.

Last login: Thu Oct 10 09:02:02 2019 from 192.168.1.43
tobax@tobaxsaptest1:~$ ftp tobax.org
Connected to tobax.org.
220 ProFTPD 1.3.5b Server (ProFTPD) [85.214.42.206]
Name (tobax.org:tobax):
331 Password required for
Password:
230 User adscustomer logged in
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

Mit dem Befehl "ls" listen Sie die Ordner auf.



```
192.168.1.71 - PuTTY
https://ubuntu.com/livepatch

40 packages can be updated.
0 updates are security updates.

Last login: Thu Oct 10 09:02:02 2019 from 192.168.1.43
tobax@tobaxsaptest1:~$ ftp tobax.org
Connected to tobax.org.
220 ProFTPD 1.3.5b Server (ProFTPD) [85.214.42.206]
Name (tobax.org:tobax):
331 Password required for
Password:
230 User adscustomer logged in
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
drwxr-xr-x 16 adscustomer psacln      4096 Sep 15 2017 version_11.1
drwxr-xr-x  8 adscustomer psacln      4096 Jan 17 2018 version_12.0
drwxr-xr-x 15 adscustomer psacln      4096 Feb  1 2018 version_12.2
226 Transfer complete
ftp>
```

Geben Sie: "cd version_12.2" im Terminal ein um an die Installationsdateien zu gelangen. Sie sollten folgendes sehen:

```
192.168.1.71 - PuTTY
40 packages can be updated.
0 updates are security updates.

Last login: Thu Oct 10 09:02:02 2019 from 192.168.1.43
tobax@tobaxsaptest1:~$ ftp tobax.org
Connected to tobax.org.
220 ProFTPD 1.3.5b Server (ProFTPD) [85.214.42.206]
Name (tobax.org:tobax): adscustomer
331 Password required for adscustomer
Password:
230 User adscustomer logged in
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
drwxr-xr-x  16 adscustomer psacln   4096 Sep 15  2017 version_11.1
drwxr-xr-x   8 adscustomer psacln   4096 Jan 17  2018 version_12.0
drwxr-xr-x  15 adscustomer psacln   4096 Feb  1  2018 version_12.2
226 Transfer complete
ftp> cd version_12.2
250 CWD command successful
ftp>
```

Listen Sie mit dem Befehl "ls" die Ordner auf.

Um schließlich zu den Installationsdateien zu gelangen, geben sie: "cd Advantage_Database_Server", ein. Schauen sie mit dem "ls", welche Dateien sich in den Ordner befinden.

```
192.168.1.71 - PuTTY
e_API
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_Crytal_Repor
ts_Driver
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_Data_Archite
ct
drwxr-xr-x  2 adscustomer psacln   4096 Feb 19  2018 Advantage_Database_Ser
ver
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_DBD_(Perl)_D
river
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_Delphi_Compo
nents
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_JDBC_Driver
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_NET_Data_Pro
vider
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_ODBC_Driver
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_OLE_DB_Provi
der
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_PHP_Driver
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_RDD_for_CA-V
O_and_Vulcan.NET
drwxr-xr-x  2 adscustomer psacln   4096 Feb  1  2018 Advantage_Web_Platform
226 Transfer complete
ftp> cd Advantage_Database_Server
250 CWD command successful
ftp> sl
?Invalid command
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
-rw-r--r--  1 adscustomer psacln  21809206 Nov 17  2017 adslinux-12.00.0.02.tar.gz
-rw-r--r--  1 adscustomer psacln  23074760 Nov  8  2017 adswin_x86_32.exe
-rw-r--r--  1 adscustomer psacln  27056072 Nov  8  2017 adswin_x86_64.exe
226 Transfer complete
ftp>
```

Um die Installationsdateien auf ihren Server zu übertragen, geben Sie folgendes ein: "lcd /home/{ihr Nutzername}/". Im folgenden Bild können Sie anhand eines Beispiels sehen, wie man den lokalen Speicherort bestimmt:

```
192.168.1.71 - PuTTY
ct
drwxr-xr-x  2 adscustomer psacln      4096 Feb 19  2018 Advantage_Database_Ser
ver
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_DBD_(Perl)_D
river
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_Delphi_Compo
nents
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_JDBC_Driver
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_NET_Data_Pro
vider
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_ODBC_Driver
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_OLE_DB_Provi
der
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_PHP_Driver
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_RDD_for_CA-V
O_and_Vulcan.NET
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_Web_Platform
226 Transfer complete
ftp> cd Advantage_Database_Server
250 CWD command successful
ftp> sl
?Invalid command
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
-rw-r--r--  1 adscustomer psacln    21809206 Nov 17  2017 adslinux-12.00.0.02.tar.gz
-rw-r--r--  1 adscustomer psacln    23074760 Nov  8  2017 adswin_x86_32.exe
-rw-r--r--  1 adscustomer psacln    27056072 Nov  8  2017 adswin_x86_64.exe
226 Transfer complete
ftp> lcd /home/user/tobax
local: /home/user/tobax: No such file or directory
ftp> lcd /home/tobax
Local directory now /home/tobax
ftp>
```

Damit Sie folgend die Installationsdatei herunterladen können, geben den folgenden Befehl im Terminal ein: "get adslinux-12.00.0.02.tar.gz".

```
192.168.1.71 - PuTTY
der
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_PHP_Driver
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_RDD_for_CA-V
O_and_Vulcan.NET
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_Web_Platform
226 Transfer complete
ftp> cd Advantage_Database_Server
250 CWD command successful
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
-rw-r--r--  1 adscustomer psacln    21809206 Nov 17  2017 adslinux-12.00.0.02.ta
r.gz
-rw-r--r--  1 adscustomer psacln    23074760 Nov  8  2017 adswin_x86_32.exe
-rw-r--r--  1 adscustomer psacln    27056072 Nov  8  2017 adswin_x86_64.exe
226 Transfer complete
ftp> lcd /home/tobax
Local directory now /home/tobax
ftp> get adslinux-12.00.0.02.tar.gz
local: adslinux-12.00.0.02.tar.gz remote: adslinux-12.00.0.02.tar.gz
200 PORT command successful
150 Opening BINARY mode data connection for adslinux-12.00.0.02.tar.gz (21809206
bytes)
```

Nach dem Download trennen Sie die Verbindung zum FTP-Server, indem Sie "bye", "exit" oder "quit" im Terminal eingeben.

```
192.168.1.71 - PuTTY
drwxr-xr-x  2 adscustomer psacln      4096 Feb  1  2018 Advantage_Web_Platform
226 Transfer complete
ftp> cd Advantage_Database_Server
250 CWD command successful
ftp> ls
200 PORT command successful
150 Opening BINARY mode data connection for file list
-rw-r--r--  1 adscustomer psacln    21809206 Nov 17  2017 adslinux-12.00.0.02.ta
r.gz
-rw-r--r--  1 adscustomer psacln    23074760 Nov  8  2017 adswin_x86_32.exe
-rw-r--r--  1 adscustomer psacln    27056072 Nov  8  2017 adswin_x86_64.exe
226 Transfer complete
ftp> lcd /home/tobax
Local directory now /home/tobax
ftp> get adslinux-12.00.0.02.tar.gz
local: adslinux-12.00.0.02.tar.gz remote: adslinux-12.00.0.02.tar.gz
200 PORT command successful
150 Opening BINARY mode data connection for adslinux-12.00.0.02.tar.gz (21809206
 bytes)
226 Transfer complete
21809206 bytes received in 40.94 secs (520.2309 kB/s)
ftp> exit
221 Goodbye.
tobax@tobaxsaptest1:~$
```

Geben Sie den Befehl "cd" ein, damit sie zum Ordner gelangen, in dem sich die Installationsdatei befindet. Jetzt müssen Sie das Paket "adslinux-12.00.0.02.tar.gz" entpacken. Schreiben Sie dafür "sudo tar -xvf adslinux-12.00.0.02.tar.gz" ins Terminal.

```
192.168.1.71 - PuTTY
[sudo] password for tobax:
adslinux-12.00.0.02/
adslinux-12.00.0.02/libaicu.so
adslinux-12.00.0.02/icudt40l.dat
adslinux-12.00.0.02/LICENSE
adslinux-12.00.0.02/INSTALL
adslinux-12.00.0.02/adscollate.adm
adslinux-12.00.0.02/adscollate.adt
adslinux-12.00.0.02/setup.pl
adslinux-12.00.0.02/adstemp
adslinux-12.00.0.02/ads.conf
adslinux-12.00.0.02/setpermissions.pl
adslinux-12.00.0.02/adsd
adslinux-12.00.0.02/adscript
adslinux-12.00.0.02/ansi.chr
adslinux-12.00.0.02/help.tar.gz
adslinux-12.00.0.02/adbackup
adslinux-12.00.0.02/libadsd.so
adslinux-12.00.0.02/setup.ini
adslinux-12.00.0.02/libace.so.12.00.0.02
adslinux-12.00.0.02/extend.chr
adslinux-12.00.0.02/x86_64/
adslinux-12.00.0.02/x86_64/libaicu.so
adslinux-12.00.0.02/x86_64/adstemp
adslinux-12.00.0.02/x86_64/adsd
adslinux-12.00.0.02/x86_64/adbackup
adslinux-12.00.0.02/x86_64/libadsd.so
adslinux-12.00.0.02/x86_64/libace.so.12.00.0.02
tobax@tobaxsaptest1:~$
```

Folglich sollte ein neuer Ordner im Verzeichnis liegen, der die entpackte Dateien enthält. Sie gelangen mit dem Befehl "cd adslinux-12.00.0.02" in den Ordner:

```
192.168.1.71 - PuTTY
adslinux-12.00.0.02/INSTALL
adslinux-12.00.0.02/adscollate.adm
adslinux-12.00.0.02/adscollate.adt
adslinux-12.00.0.02/setup.pl
adslinux-12.00.0.02/adstemp
adslinux-12.00.0.02/ads.conf
adslinux-12.00.0.02/setpermissions.pl
adslinux-12.00.0.02/adsd
adslinux-12.00.0.02/adscript
adslinux-12.00.0.02/ansi.chr
adslinux-12.00.0.02/help.tar.gz
adslinux-12.00.0.02/adbackup
adslinux-12.00.0.02/libadsd.so
adslinux-12.00.0.02/setup.ini
adslinux-12.00.0.02/libace.so.12.00.0.02
adslinux-12.00.0.02/extend.chr
adslinux-12.00.0.02/x86_64/
adslinux-12.00.0.02/x86_64/libaicu.so
adslinux-12.00.0.02/x86_64/adstemp
adslinux-12.00.0.02/x86_64/adsd
adslinux-12.00.0.02/x86_64/adbackup
adslinux-12.00.0.02/x86_64/libadsd.so
adslinux-12.00.0.02/x86_64/libace.so.12.00.0.02
tobax@tobaxsaptest1:~$ ls
adslinux-12.00.0.02  adslinux-12.00.0.02.tar.gz
tobax@tobaxsaptest1:~$ cd adslinux-12.00.0.02
adslinux-12.00.0.02: command not found
tobax@tobaxsaptest1:~$ cd adslinux-12.00.0.02
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$
```

Starten Sie die Installation, indem Sie "sudo ./setup.pl" ins Terminal eingeben.

Daraufhin sollte folgendes im Terminal stehen:

```
192.168.1.71 - PuTTY
This will install Advantage Database Server 12.0.0.02
Hit Control-C at anytime to cancel this installation program
Press <Enter> to continue
```

Drücken Sie hier die Enter-Taster um die Installation zu starten.
Nachdem Sie dies getan haben, sehen Sie dann Folgendes:

```
192.168.1.71 - PuTTY
LICENSE AGREEMENT
Advantage Database Server
(the Program)

IMPORTANT NOTICE: Read this License Agreement, including the Program
specific terms at the end of the document carefully before using the Program.
IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, YOU MAY NOT
USE THE PROGRAM. By downloading, installing, or using the Program in any way,
You acknowledge that You have read, understand and agree to the terms of this
Agreement. THIS IS A LICENSE AND NOT A SALE.

If You, Your company, or Your public agency have signed a written software
license agreement with SAP SE or an SAP affiliate company, covering the Use of the
Program, the terms of the signed license agreement shall take precedence
over any conflicting terms of this Agreement.

Installation by Agent or other Third Party. If you are downloading or
installing the Program on behalf of another person or entity, you hereby
represent and warrant that you have the authority to bind the party or
entity for which you are performing the download or installation to the
terms and conditions of this Agreement. If you do not have such
authority, you may not download or install the Program.

--More--
```

Drücken Sie eine Taste und danach "Y" um die Lizenz zu akzeptieren, die Sie vorher ausführlich gelesen haben.

```
192.168.1.71 - PuTTY
Advantage Database Server
(the Program)

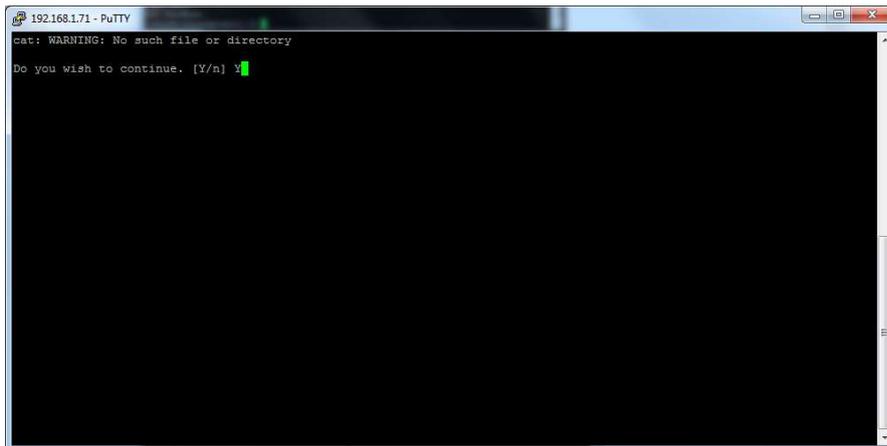
IMPORTANT NOTICE: Read this License Agreement, including the Program
specific terms at the end of the document carefully before using the Program.
IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, YOU MAY NOT
USE THE PROGRAM. By downloading, installing, or using the Program in any way,
You acknowledge that You have read, understand and agree to the terms of this
Agreement. THIS IS A LICENSE AND NOT A SALE.

If You, Your company, or Your public agency have signed a written software
license agreement with SAP SE or an SAP affiliate company, covering the Use of the
Program, the terms of the signed license agreement shall take precedence
over any conflicting terms of this Agreement.

Installation by Agent or other Third Party. If you are downloading or
installing the Program on behalf of another person or entity, you hereby
represent and warrant that you have the authority to bind the party or
entity for which you are performing the download or installation to the
terms and conditions of this Agreement. If you do not have such
authority, you may not download or install the Program.

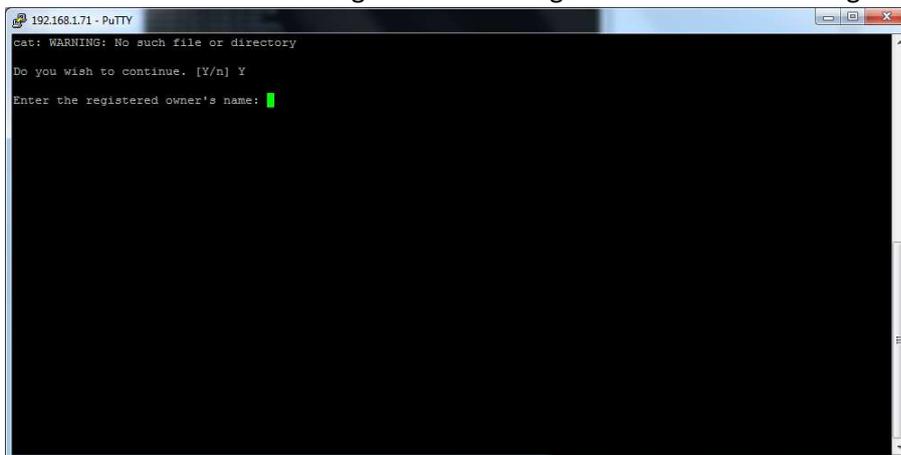
CLICK THE "I AGREE", "ACCEPT", OR THE EQUIVALENT BUTTON IF YOU
Do you agree with the license. [Y/n] Y
```

Daraufolgend werden Sie gefragt, ob Sie die Installation fortsetzen wollen. Antworten Sie mit "Y".



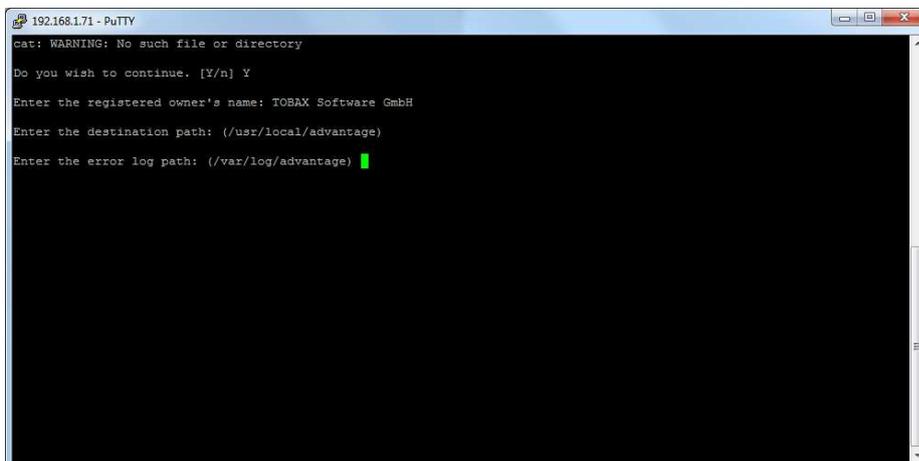
```
192.168.171 - PuTTY
cat: WARNING: No such file or directory
Do you wish to continue. [Y/n] Y
```

Anschließend werden Sie aufgefordert den registrierten Besitzer einzugeben.



```
192.168.171 - PuTTY
cat: WARNING: No such file or directory
Do you wish to continue. [Y/n] Y
Enter the registered owner's name:
```

Dann werden Sie gefragt, wo der ADS installiert werden soll. Nachdem Sie es eingegeben haben, drücken Sie auf Enter. Nun wird gefragt wo die error.log-Datei gespeichert werden soll.



```
192.168.171 - PuTTY
cat: WARNING: No such file or directory
Do you wish to continue. [Y/n] Y
Enter the registered owner's name: TOBAX Software GmbH
Enter the destination path: (/usr/local/advantage)
Enter the error log path: (/var/log/advantage)
```

Danach werden Sie gefragt welche Sprache das ANSI character set haben soll. Geben Sie hierbei die

passende Zahl ein:

```
192.168.171 - PuTTY
Please select an ANSI character set to use with the Advantage Database
Server.

If <Default> is chosen, the installation program will generate a
character set to use based on a locale that you can choose.

Selecting a specific ANSI language for all Advantage installs (including
Local Server) will guarantee the ANSI character sets used by all
Advantage applications will be the same.

This setting does not apply to tables opened with OEM as the specified
character set type or to Advantage DOS applications.
 1 - Danish          2 - Dutch
 3 - Engl (Amer)    4 - Engl (Can)
 5 - Engl (UK)      6 - Finnish
 7 - French          8 - French Can
 9 - German          10 - Icelandic
11 - Italian         12 - Norwegian
13 - Portuguese     14 - Spanish
15 - Span (Mod)     16 - Swedish
17 - Russian        18 - ASCII
19 - Turkish        20 - Polish
21 - Baltic         22 - Ukrainian
23 - Duden_DE       0 - <Default>

Please select a language: (<Default>) █
```

Anschließend werden Sie abgefragt in welcher Sprache das OEM character set eingestellt werden soll. Achten Sie auch hier darauf, dass Sie hier die passende Zahl eingeben:

```
192.168.171 - PuTTY
Please select an OEM character set to use on the Advantage Database
Server. The OEM character set is necessary only if your Advantage
application uses OEM/Localized character sets.

The Advantage Database Server supports the following OEM/Localized
character sets. Please select the set that matches your Advantage
client applications.

Selecting a specific OEM/Localized character set for all Advantage
installs (including Local Server) will guarantee the OEM/Localized
character sets used by all Advantage applications will be the same.
 1 - USA            2 - DANISH
 3 - DUTCH          4 - FINNISH
 5 - FRENCH         6 - GERMAN
 7 - GREEK437       8 - GREEK851
 9 - ICELD850       10 - ICELD861
11 - ITALIAN        12 - NORWEGN
13 - PORTUGUE       14 - SPANISH
15 - SWEDISH        16 - MAZOVIA
17 - PC LATIIN     18 - ISOLATIIN
19 - RUSSIAN        20 - NIXCZ852
21 - NIXCZ895       22 - NIXSL852
23 - NIXSL895       24 - NIXHU852
25 - NIXPL852       26 - TURKISH
27 - BOSNIAN

Please select a language: (USA) █
```

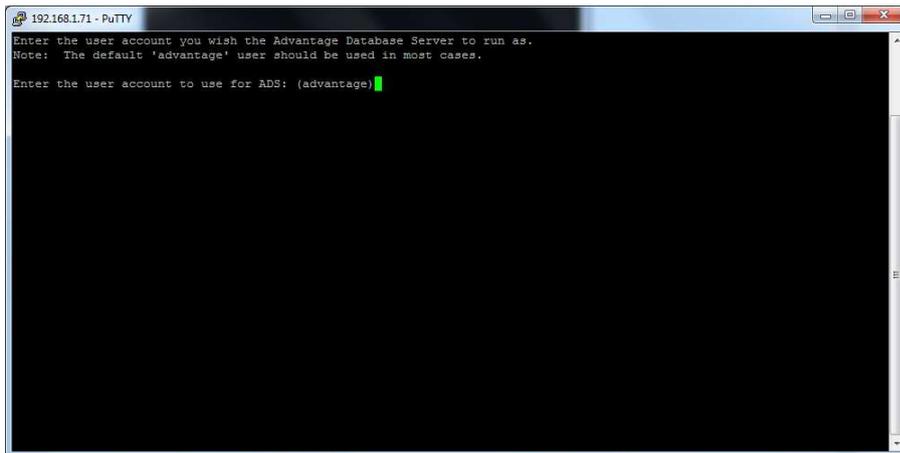
Im Folgenden werden Sie gefragt, ob der ADS beim Booten des Betriebssystem ebenfalls gestartet werden soll.

Dann können Sie entscheiden, ob Sie die 32-Bit Version oder die 64-Bit Version von ADS installieren wollen.

Nachdem Sie sich entschieden haben, werden Sie aufgefordert einen User für den ADS einzugeben.

Sie werden darauf hingewiesen, dass Sie diesen User für den Serverbetrieb verwenden werden.

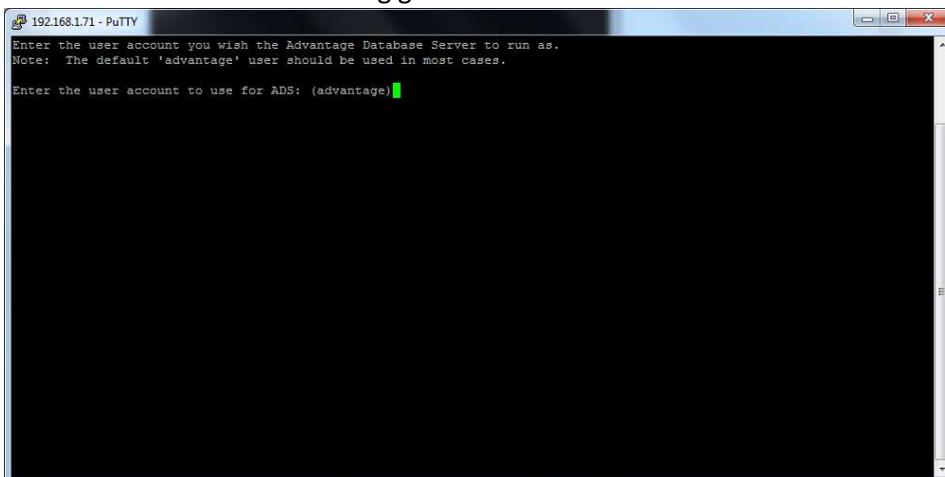
Nutzen Sie hierfür lieber den standard User "advantage" mit der Gruppe "advantage", da bei unserer Installation, die Zuweisung eines anderen User nicht funktioniert hat.



```
192.168.1.71 - PuTTY
Enter the user account you wish the Advantage Database Server to run as.
Note: The default 'advantage' user should be used in most cases.

Enter the user account to use for ADS: (advantage) █
```

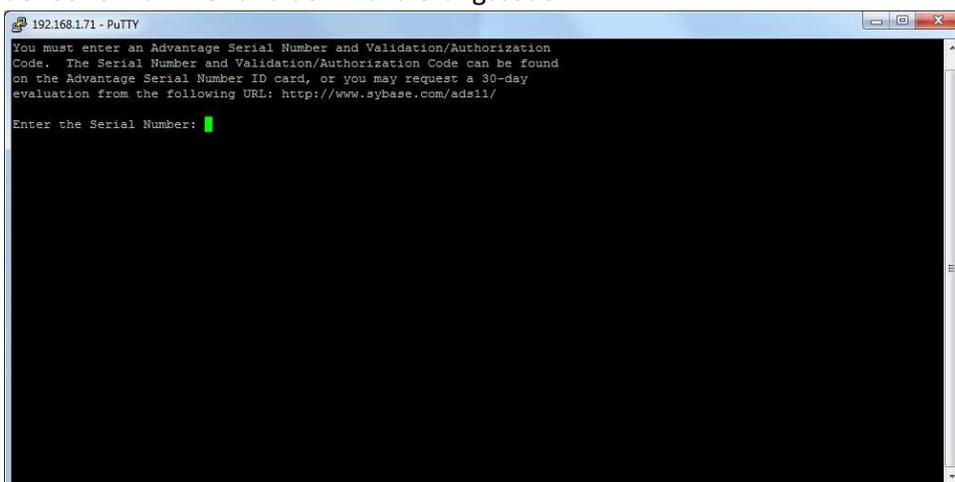
Abschließend wird Ihnen im Terminal angezeigt, welche Einstellungen Sie bei der Installation angegeben haben. Sie werden gefragt, ob Sie noch etwas ändern möchten. Ist die Installation so in Ordnung, geben Sie ein "n" ein.



```
192.168.1.71 - PuTTY
Enter the user account you wish the Advantage Database Server to run as.
Note: The default 'advantage' user should be used in most cases.

Enter the user account to use for ADS: (advantage) █
```

Nach der Bestätigung, dass Sie nichts mehr ändern möchten, fragt der Installationsassistent nach der Seriennummer und dem Validierungscode.



```
192.168.1.71 - PuTTY
You must enter an Advantage Serial Number and Validation/Authorization Code. The Serial Number and Validation/Authorization Code can be found on the Advantage Serial Number ID card, or you may request a 30-day evaluation from the following URL: http://www.sybase.com/ads11/

Enter the Serial Number: █
```

```
192.168.1.71 - PuTTY
You must enter an Advantage Serial Number and Validation/Authorization
Code. The Serial Number and Validation/Authorization Code can be found
on the Advantage Serial Number ID card, or you may request a 30-day
evaluation from the following URL: http://www.sybase.com/ads11/

Enter the Serial Number:
Enter the Validation/Authorization Code: █
```

Nachdem Sie die Codes eingegeben haben, wird nach einem Replikations Code gefragt. Sie können diesen bei Bedarf angeben. Andernfalls können Sie mit der Installation fortfahren, indem Sie auf die Enter-Taste drücken.

```
192.168.1.71 - PuTTY
You must enter an Advantage Serial Number and Validation/Authorization
Code. The Serial Number and Validation/Authorization Code can be found
on the Advantage Serial Number ID card, or you may request a 30-day
evaluation from the following URL: http://www.sybase.com/ads11/

Enter the Serial Number:
Enter the Validation/Authorization Code:

If you purchased a replication code, enter it now.
If you do not have a replication code, just press enter: █
```

Folgend wird nach dem Verzeichnis gefragt, in dem die Datenbankdateien abgelegt werden sollen. Sie können dies aber auch zu einem späteren Zeitpunkt entscheiden und dies mit der Enter-Taste überspringen.

```
192.168.1.71 - PuTTY
You must enter an Advantage Serial Number and Validation/Authorization
Code. The Serial Number and Validation/Authorization Code can be found
on the Advantage Serial Number ID card, or you may request a 30-day
evaluation from the following URL: http://www.sybase.com/ads11/

Enter the Serial Number:
Enter the Validation/Authorization Code:

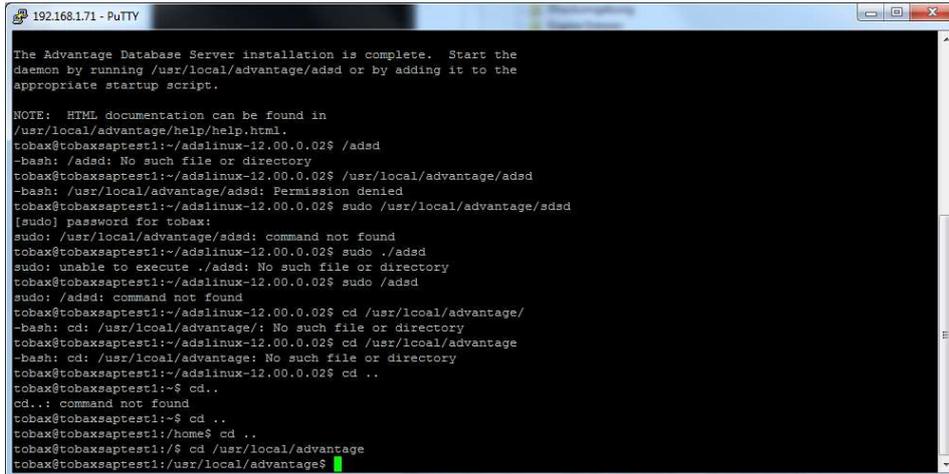
If you purchased a replication code, enter it now.
If you do not have a replication code, just press enter:

This utility will assist you in properly configuring the permissions
and ownership of your data directory. You may run this utility at any time
to configure further directories by typing setpermissions.pl. Enter the full
path to your data directory (or press Enter to exit).

Enter your data directory: █
```

Die Installation ist hiermit abgeschlossen.

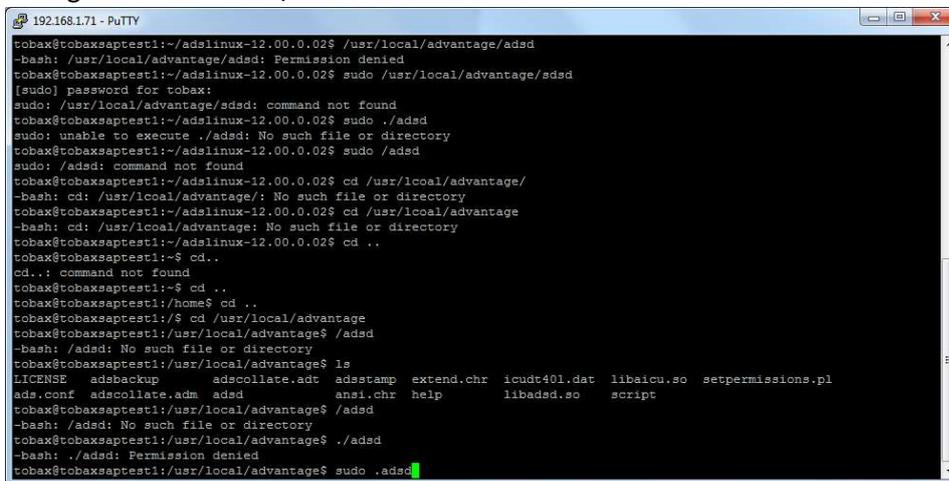
Um den ADS zu starten, gehen Sie in das Verzeichnis “/usr/local/advantage”.



```
192.168.1.71 - PuTTY
The Advantage Database Server installation is complete. Start the
daemon by running /usr/local/advantage/adsd or by adding it to the
appropriate startup script.

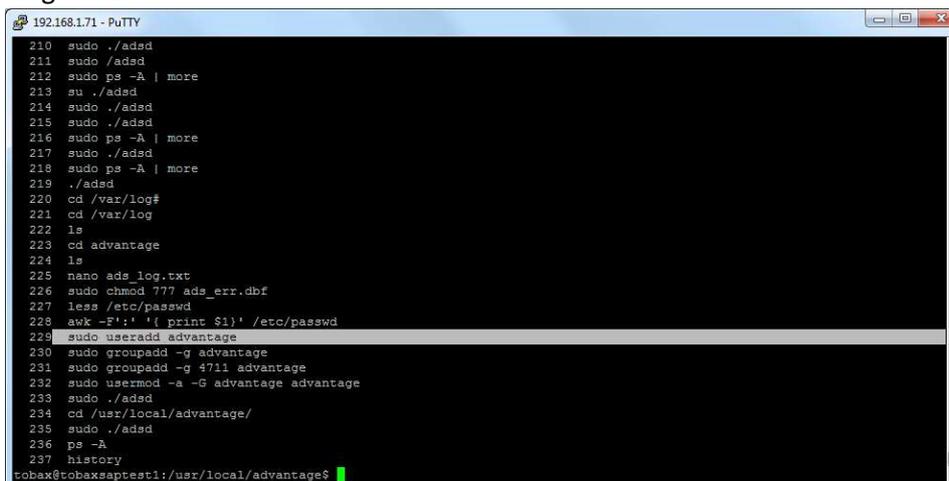
NOTE: HTML documentation can be found in
/usr/local/advantage/help/help.html.
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ /adsd
-bash: /adsd: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ /usr/local/advantage/adsd
-bash: /usr/local/advantage/adsd: Permission denied
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo /usr/local/advantage/adsd
[sudo] password for tobax:
sudo: /usr/local/advantage/adsd: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo ./adsd
sudo: unable to execute ./adsd: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo /adsd
sudo: /adsd: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage/
-bash: cd: /usr/local/advantage/: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage
-bash: cd: /usr/local/advantage: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
cd..: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage$
```

Jetzt geben Sie: “sudo ./adsd” ins Terminal ein um den ADS zu starten.



```
192.168.1.71 - PuTTY
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ /usr/local/advantage/adsd
-bash: /usr/local/advantage/adsd: Permission denied
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo /usr/local/advantage/adsd
[sudo] password for tobax:
sudo: /usr/local/advantage/adsd: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo ./adsd
sudo: unable to execute ./adsd: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo /adsd
sudo: /adsd: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage/
-bash: cd: /usr/local/advantage/: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage
-bash: cd: /usr/local/advantage: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
cd..: command not found
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd ..
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ cd /usr/local/advantage$ /adsd
-bash: /adsd: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ ls
LICENSE  adsbackup  adscollate.adt  adstamp  extend.chr  icudt401.dat  libaicu.so  setpermissions.pl
ads.conf  adscollate.adm  adsd  ansi.chr  help  libadsd.so  script
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ /adsd
-bash: /adsd: No such file or directory
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ ./adsd
-bash: ./adsd: Permission denied
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$ sudo ./adsd
```

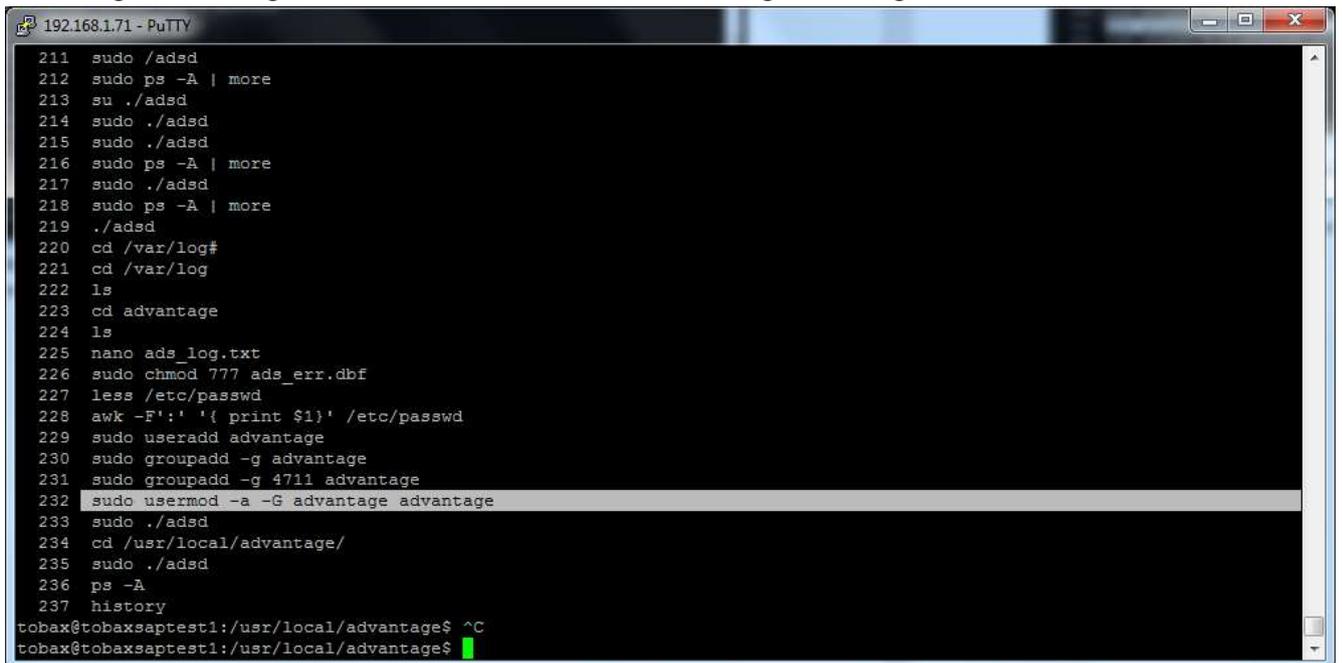
Funktioniert das Starten nicht direkt, vergewissern sie sich, dass sie vorher den User “advantage” mit der Gruppe “advantage” angelegt haben. Dafür müssen Sie den Befehl “sudo useradd advantage” eingeben.



```
192.168.1.71 - PuTTY
210 sudo ./adsd
211 sudo /adsd
212 sudo ps -A | more
213 su ./adsd
214 sudo ./adsd
215 sudo ./adsd
216 sudo ps -A | more
217 sudo ./adsd
218 sudo ps -A | more
219 ./adsd
220 cd /var/log#
221 cd /var/log
222 ls
223 cd advantage
224 ls
225 nano ads_log.txt
226 sudo chmod 777 ads_err.dbf
227 less /etc/passwd
228 awk -F':' '{ print $1}' /etc/passwd
229 sudo useradd advantage
230 sudo groupadd -g advantage
231 sudo groupadd -g 4711 advantage
232 sudo usermod -a -G advantage advantage
233 sudo ./adsd
234 cd /usr/local/advantage/
235 sudo ./adsd
236 ps -A
237 history
tobax@tobaxsaptest1:~/adslinux-12.00.0.02$
```

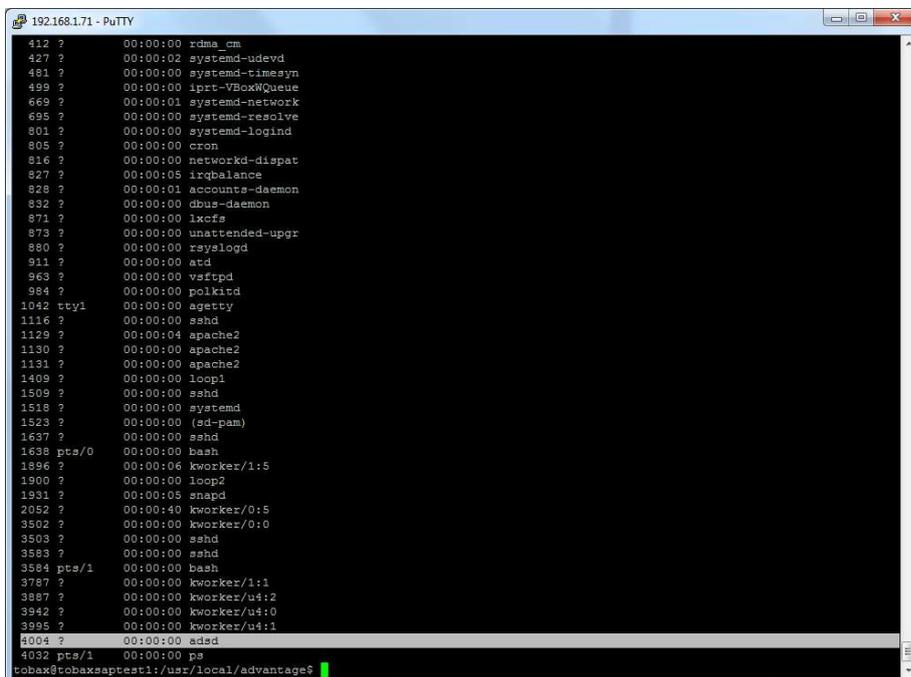
Hat es geklappt, müssen Sie nun die Gruppe “advantage”, mit dem Befehl “sudo groupadd -g advantage” hinzufügen.

Nachdem Sie die Gruppe angelegt haben, weisen Sie den User "advantage" der Gruppe "advantage" zu. Dazu geben Sie folgendes ein: "sudo usermod -a -G advantage advantage".



```
192.168.1.71 - PuTTY
211 sudo /adsd
212 sudo ps -A | more
213 su ./adsd
214 sudo ./adsd
215 sudo ./adsd
216 sudo ps -A | more
217 sudo ./adsd
218 sudo ps -A | more
219 ./adsd
220 cd /var/log#
221 cd /var/log
222 ls
223 cd advantage
224 ls
225 nano ads_log.txt
226 sudo chmod 777 ads_err.dbf
227 less /etc/passwd
228 awk -F':' '{ print $1}' /etc/passwd
229 sudo useradd advantage
230 sudo groupadd -g advantage
231 sudo groupadd -g 4711 advantage
232 sudo usermod -a -G advantage advantage
233 sudo ./adsd
234 cd /usr/local/advantage/
235 sudo ./adsd
236 ps -A
237 history
tobax@tobaxsaptest1:/usr/local/advantage$ ^C
tobax@tobaxsaptest1:/usr/local/advantage$
```

Danach geben Sie: "sudo ./adsd" ein, um den ADS zu starten. Um zu überprüfen, ob der "adsd" gestartet ist, geben Sie: "sudo ps -A | more" in die Konsole ein. Ist der Punkt "adsd" auf der Liste zu finden, wurde der ADS erfolgreich gestartet.



```
192.168.1.71 - PuTTY
412 ? 00:00:00 rdma_cm
427 ? 00:00:02 systemd-udevd
461 ? 00:00:00 systemd-timesyn
499 ? 00:00:00 ipr-TBoxQueue
669 ? 00:00:01 systemd-network
695 ? 00:00:00 systemd-resolve
801 ? 00:00:00 systemd-logind
805 ? 00:00:00 cron
816 ? 00:00:00 networkd-dispat
827 ? 00:00:05 irqbalance
828 ? 00:00:01 accounts-daemon
832 ? 00:00:00 dbus-daemon
871 ? 00:00:00 lxofs
879 ? 00:00:00 unattended-upgr
880 ? 00:00:00 rsyslogd
911 ? 00:00:00 atd
963 ? 00:00:00 vsftpd
984 ? 00:00:00 polkitd
1042 tty1 00:00:00 agetty
1116 ? 00:00:00 sshd
1129 ? 00:00:04 apache2
1130 ? 00:00:00 apache2
1131 ? 00:00:00 apache2
1409 ? 00:00:00 loop1
1509 ? 00:00:00 sshd
1518 ? 00:00:00 systemd
1523 ? 00:00:00 (sd-pam)
1637 ? 00:00:00 sshd
1638 pts/0 00:00:00 bash
1896 ? 00:00:06 kworker/1:5
1900 ? 00:00:00 loop2
1931 ? 00:00:05 snapd
2052 ? 00:00:40 kworker/0:5
3502 ? 00:00:00 kworker/0:0
3503 ? 00:00:00 sshd
3583 ? 00:00:00 sshd
3584 pts/1 00:00:00 bash
3787 ? 00:00:00 kworker/1:1
3887 ? 00:00:00 kworker/u4:2
3942 ? 00:00:00 kworker/u4:0
3995 ? 00:00:00 kworker/u4:1
4004 ? 00:00:00 adsd
4032 pts/1 00:00:00 ps
tobax@tobaxsaptest1:/usr/local/advantage$
```