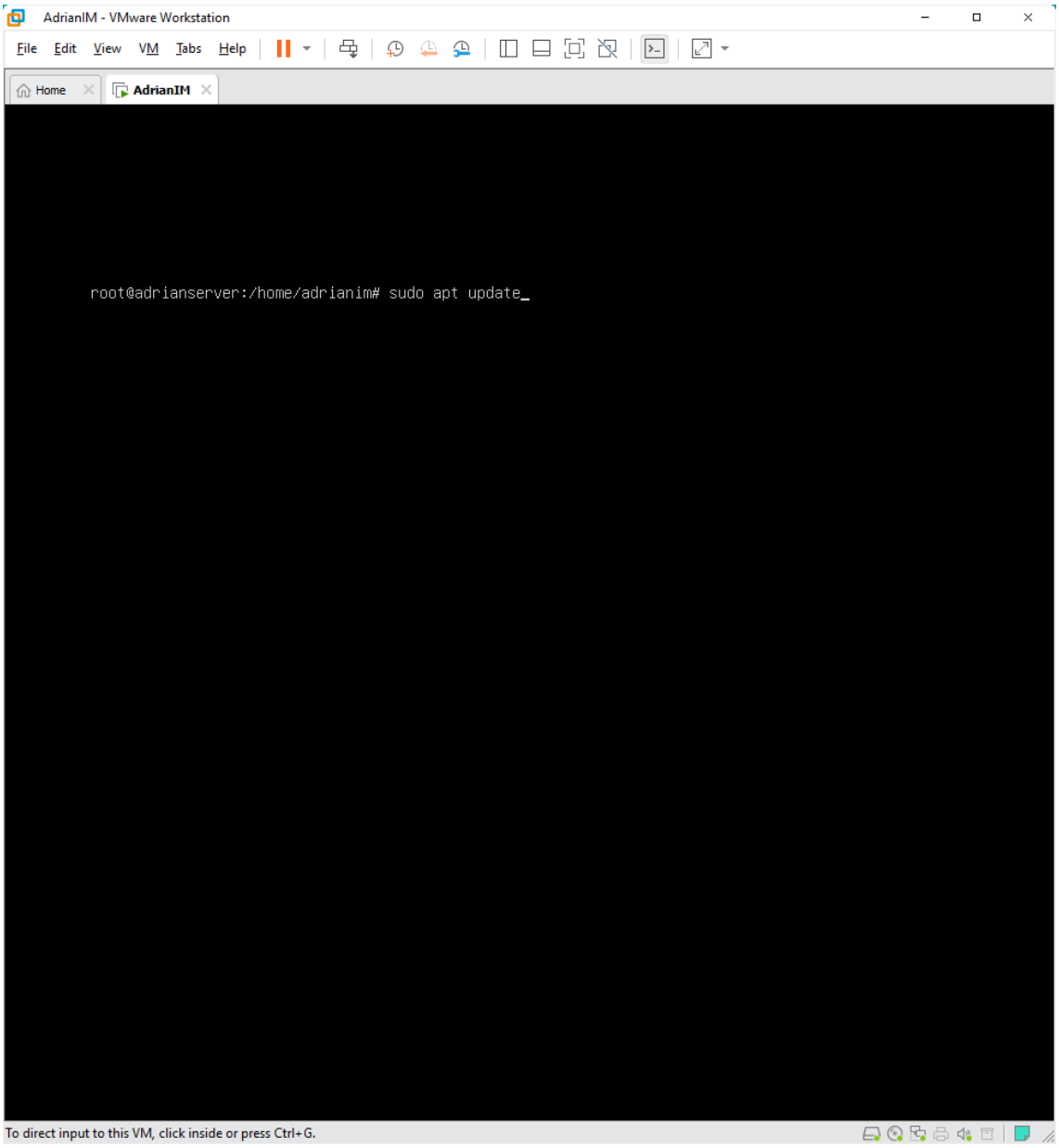
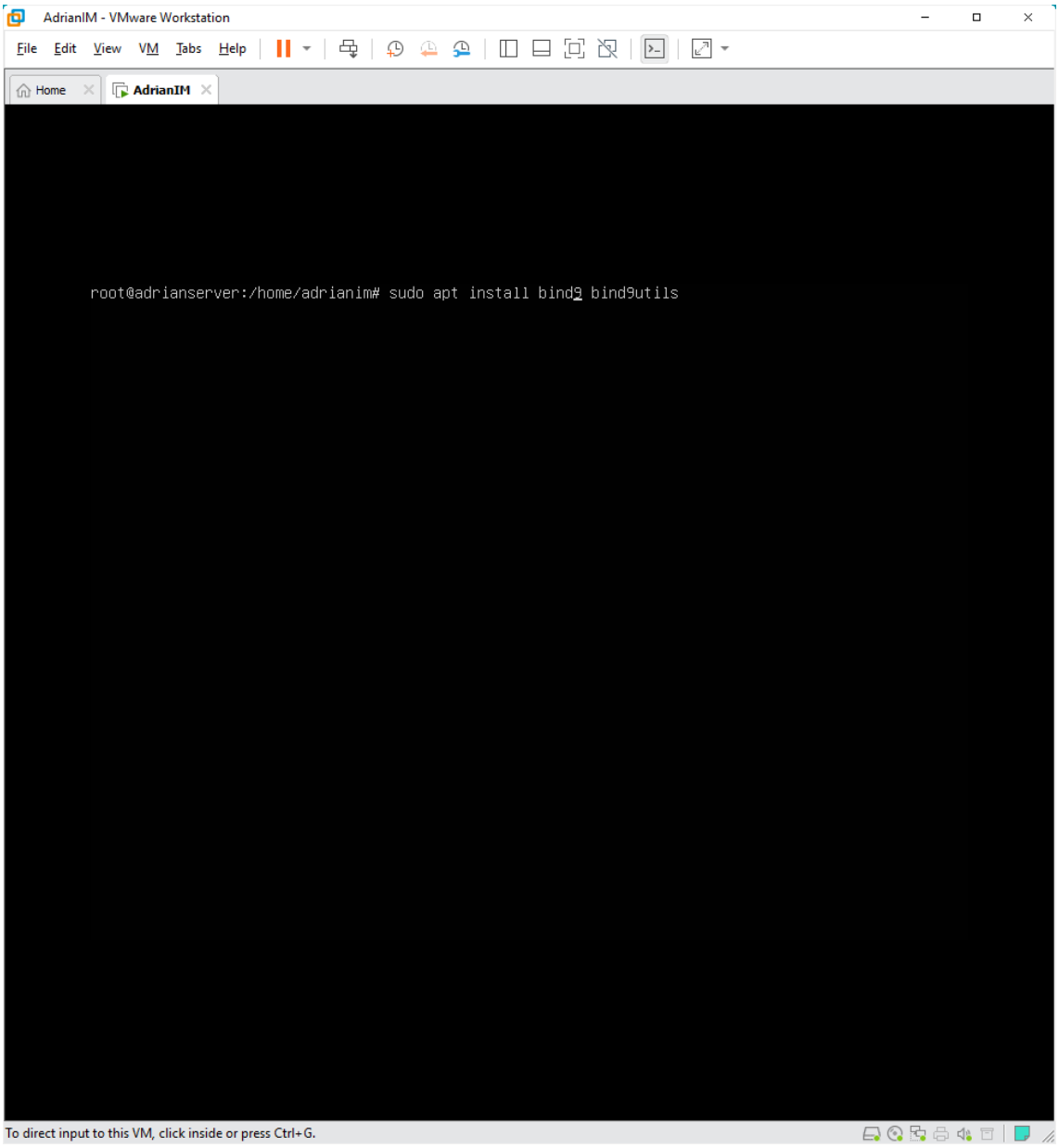
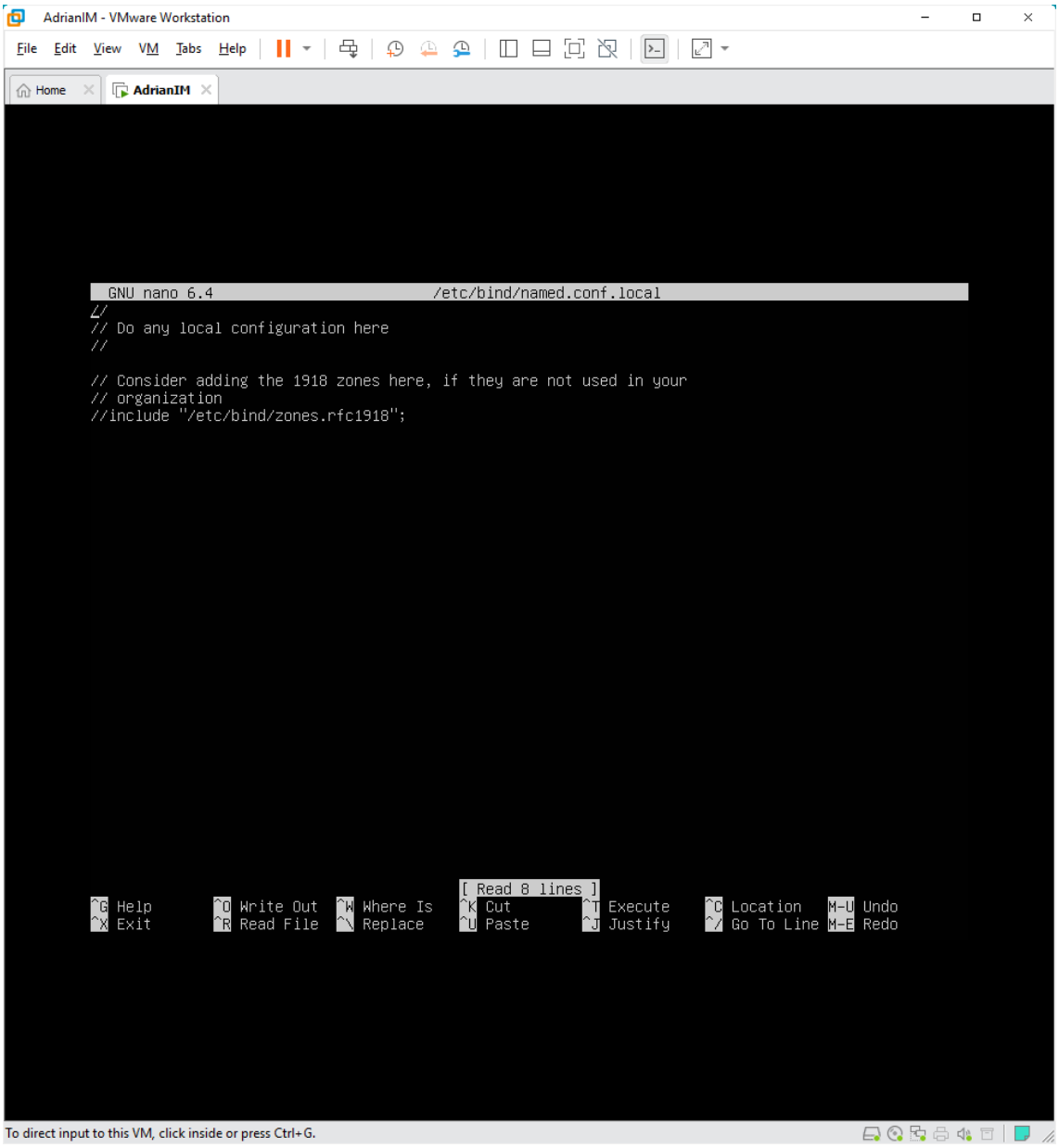
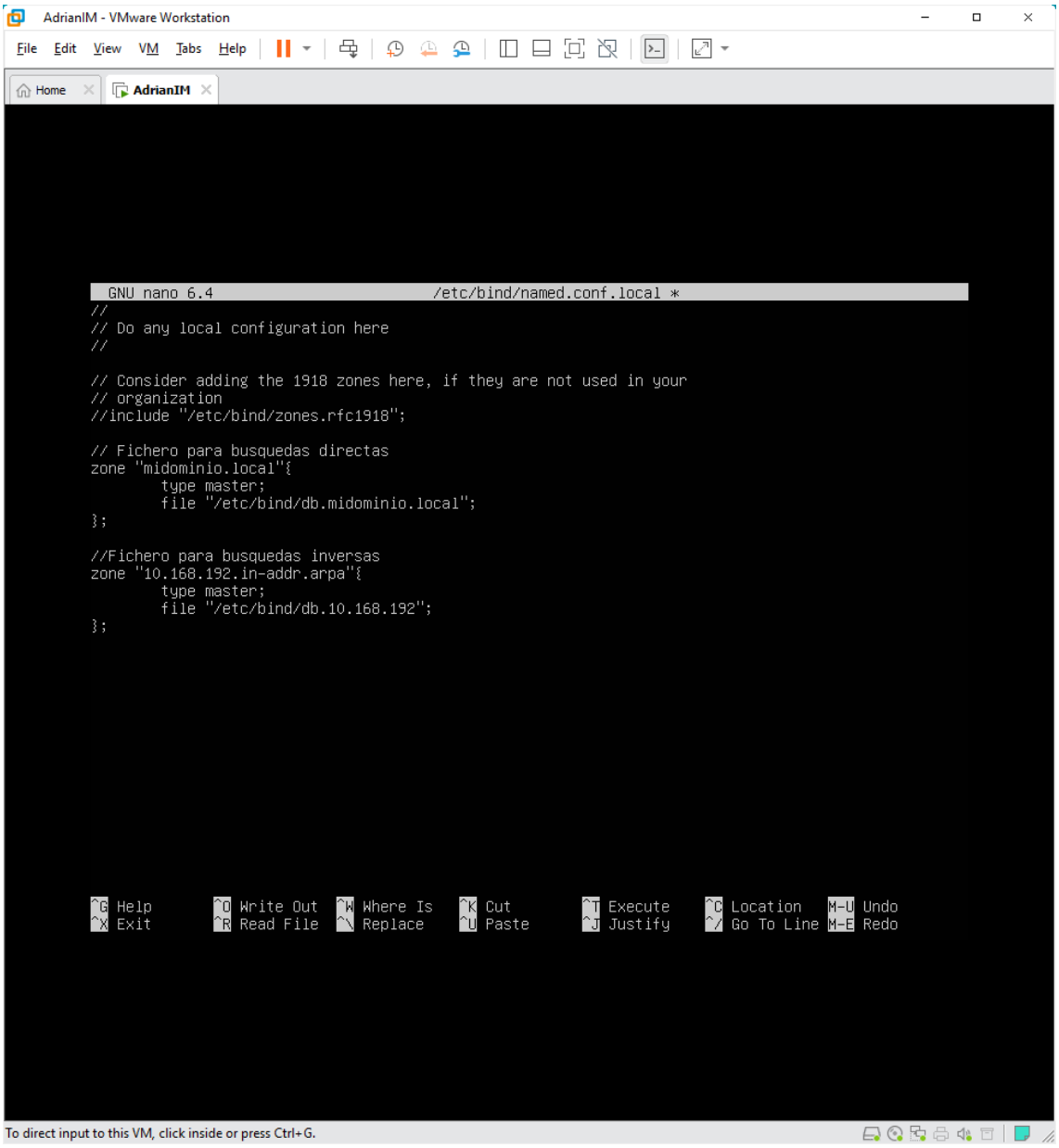
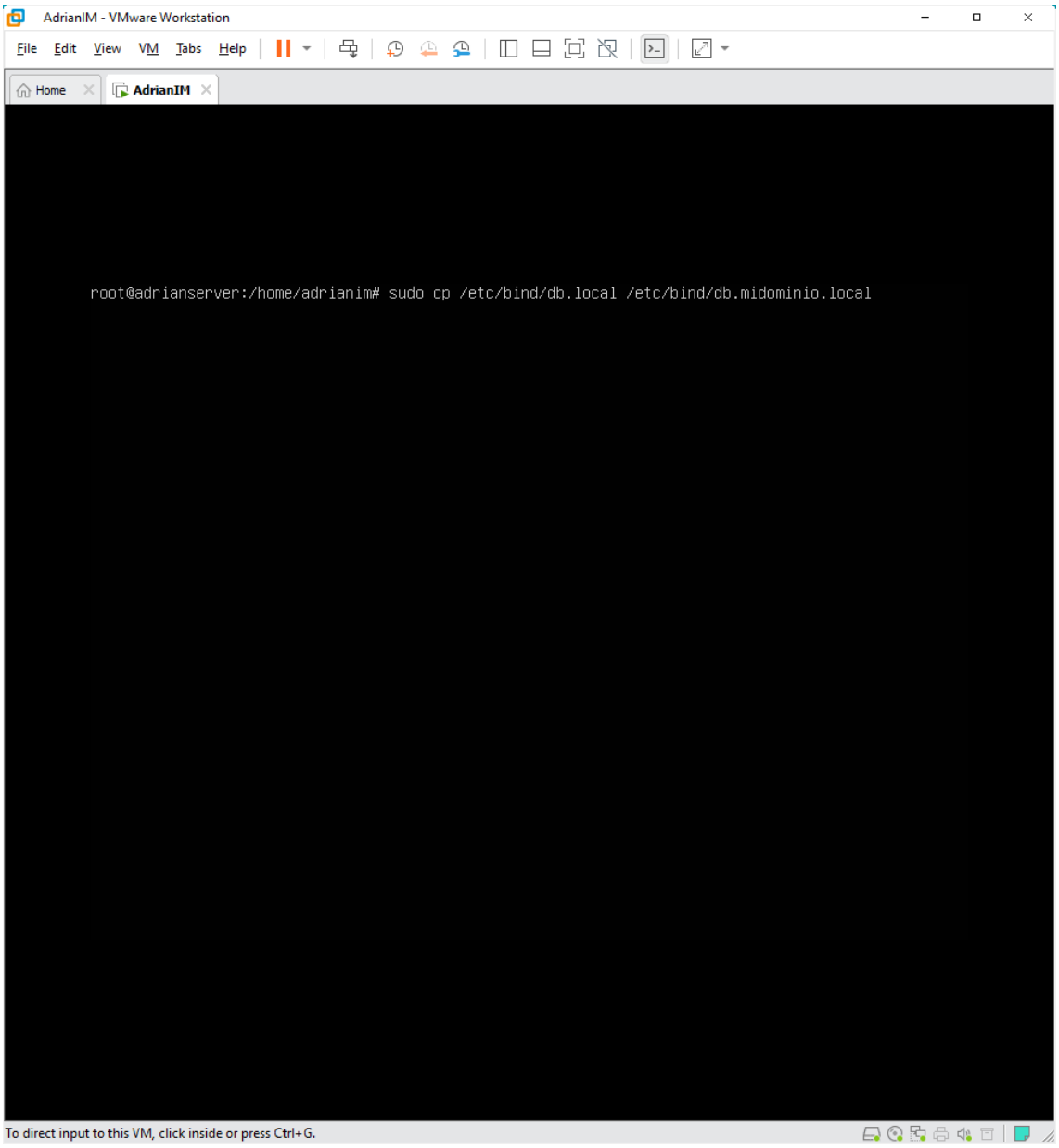

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo apt update
To direct input to this VM, click inside or press Ctrl+G.

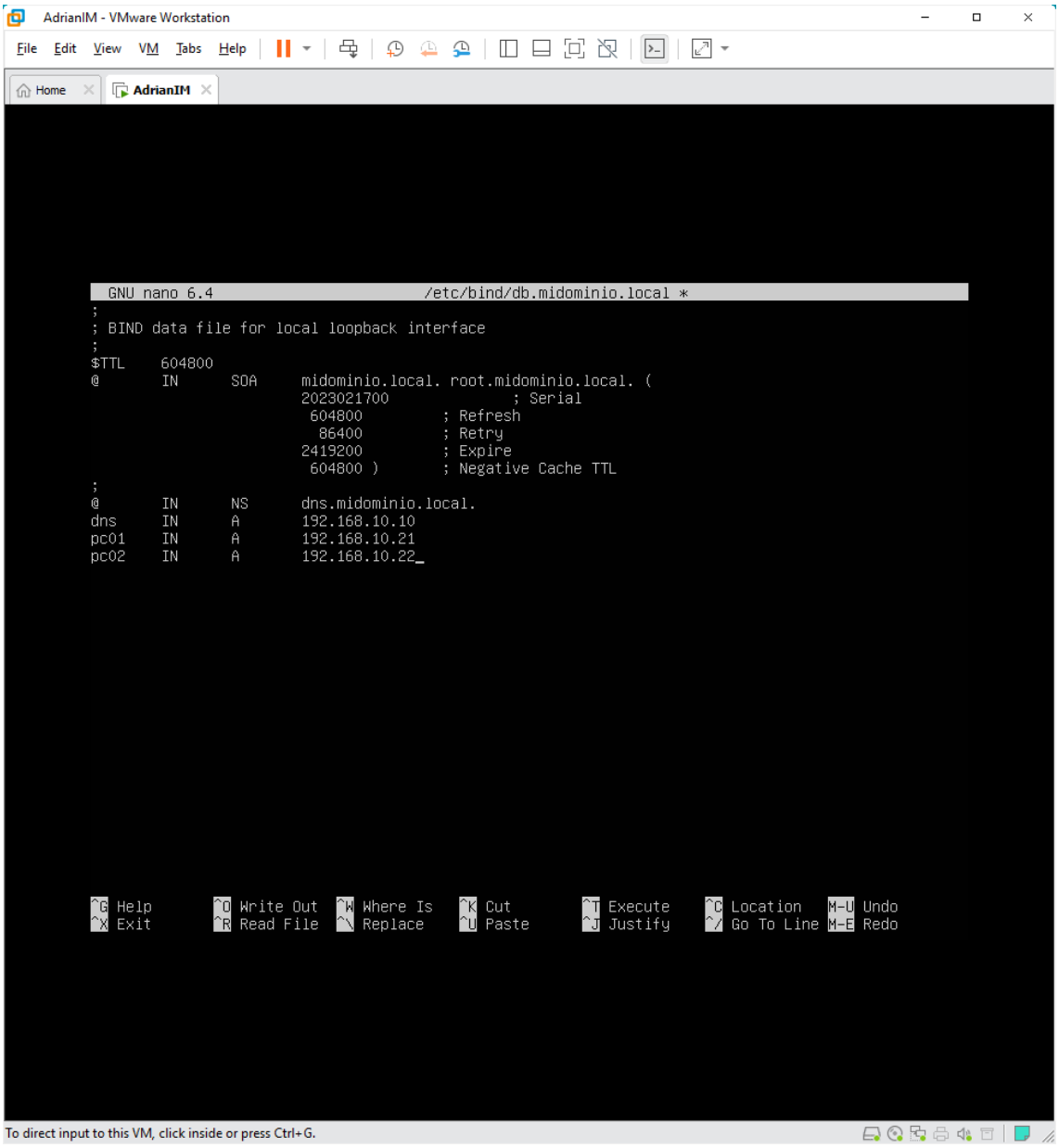


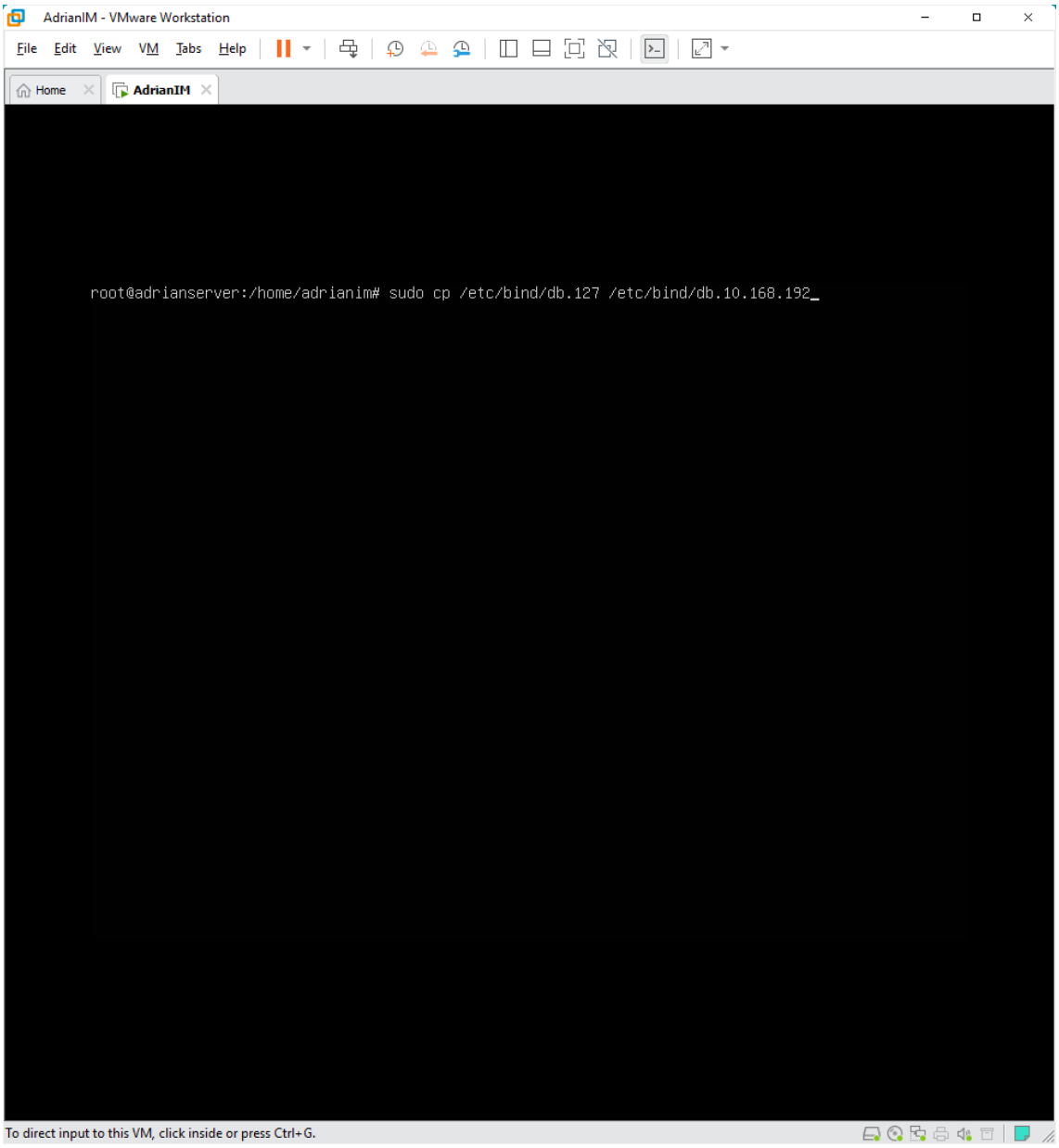
Nano /etc/bind/named.conf.local

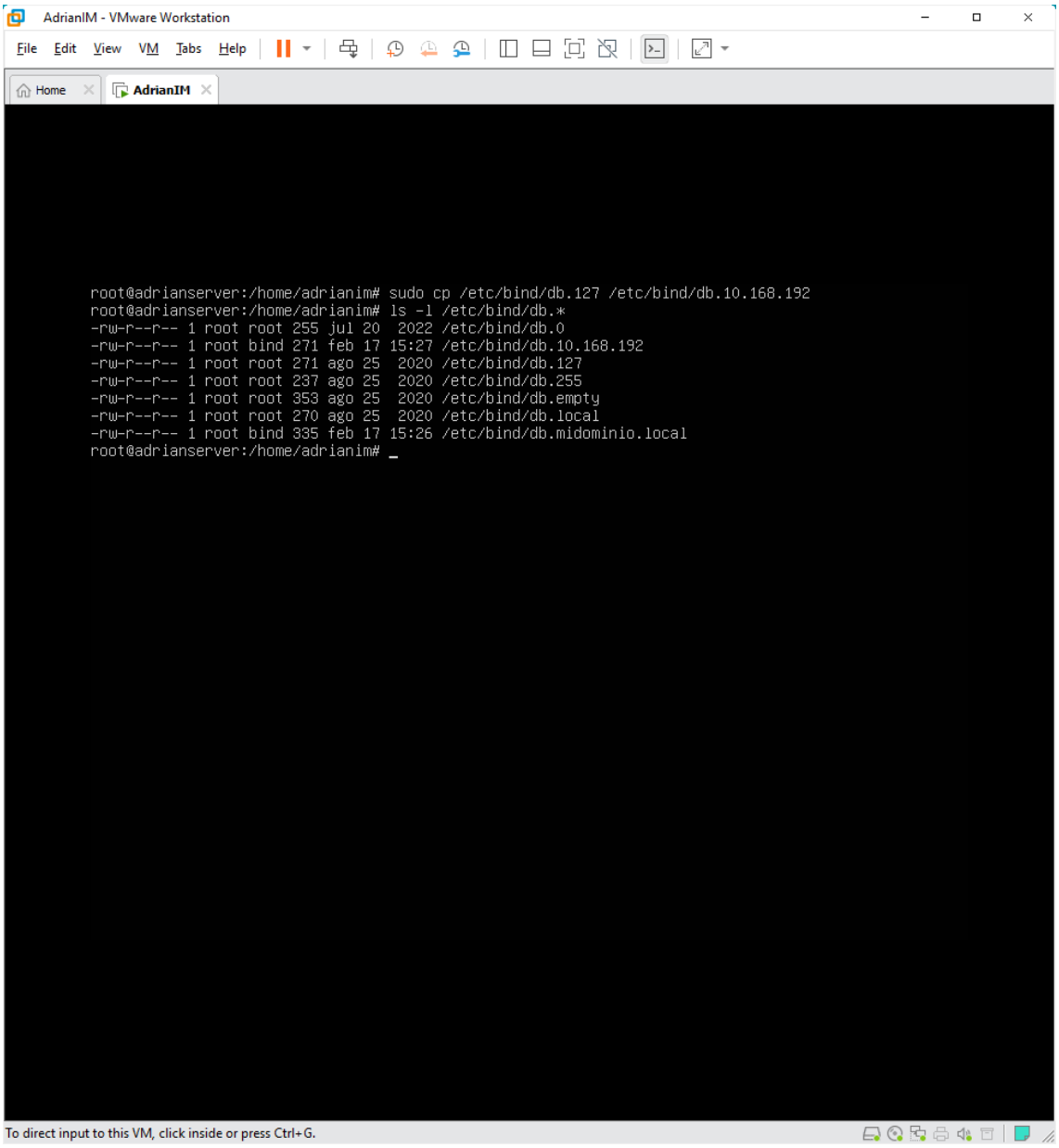

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/bind/named.conf.local
//
// Do any local configuration here
//
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";
[Read 8 lines]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

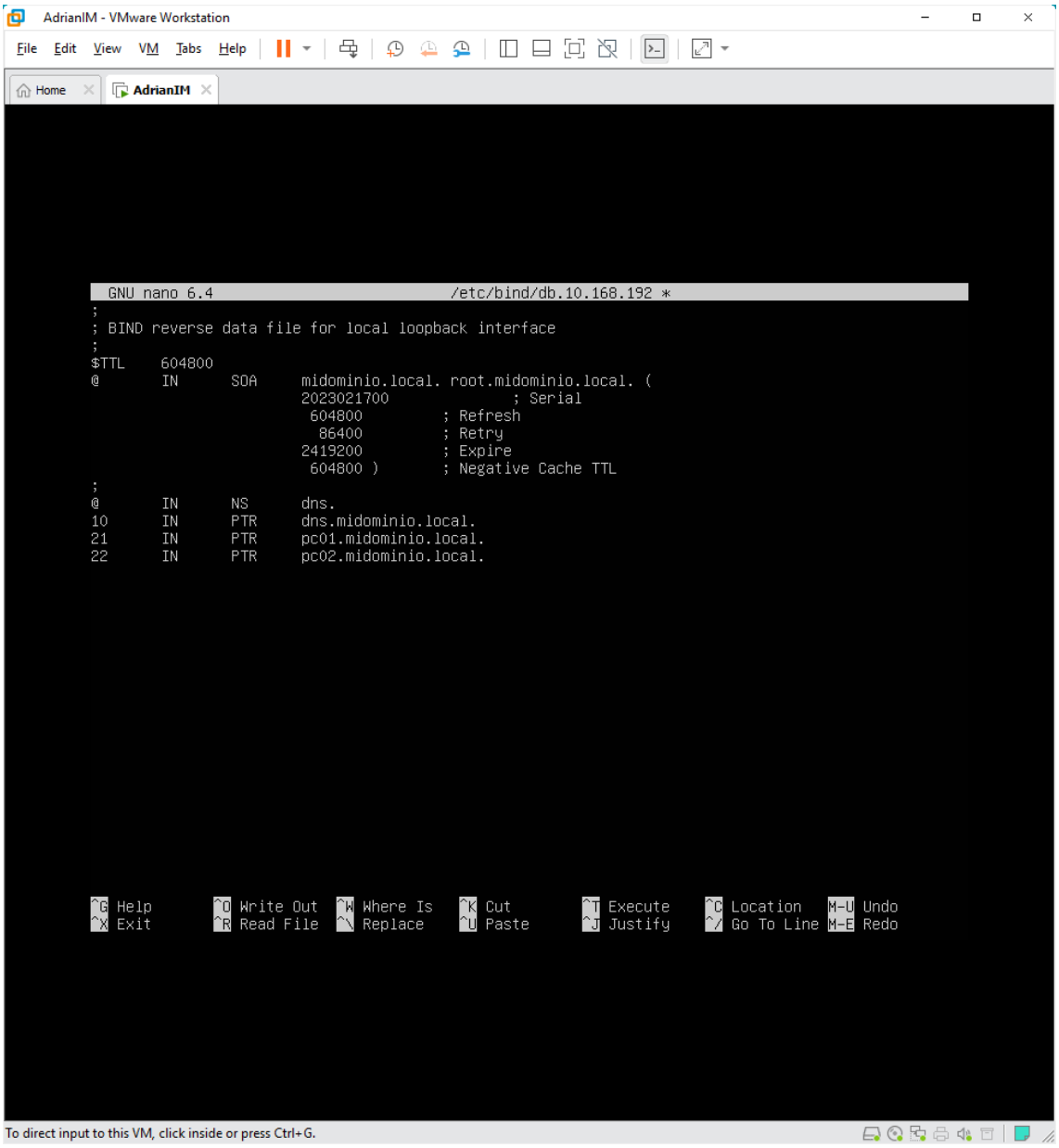

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/bind/named.conf.local *
//
// Do any local configuration here
//
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";
// Fichero para busquedas directas
zone "midominio.local"{
type master;
file "/etc/bind/db.midominio.local";
};
//Fichero para busquedas inversas
zone "10.168.192.in-addr.arpa"{
type master;
file "/etc/bind/db.10.168.192";
};
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

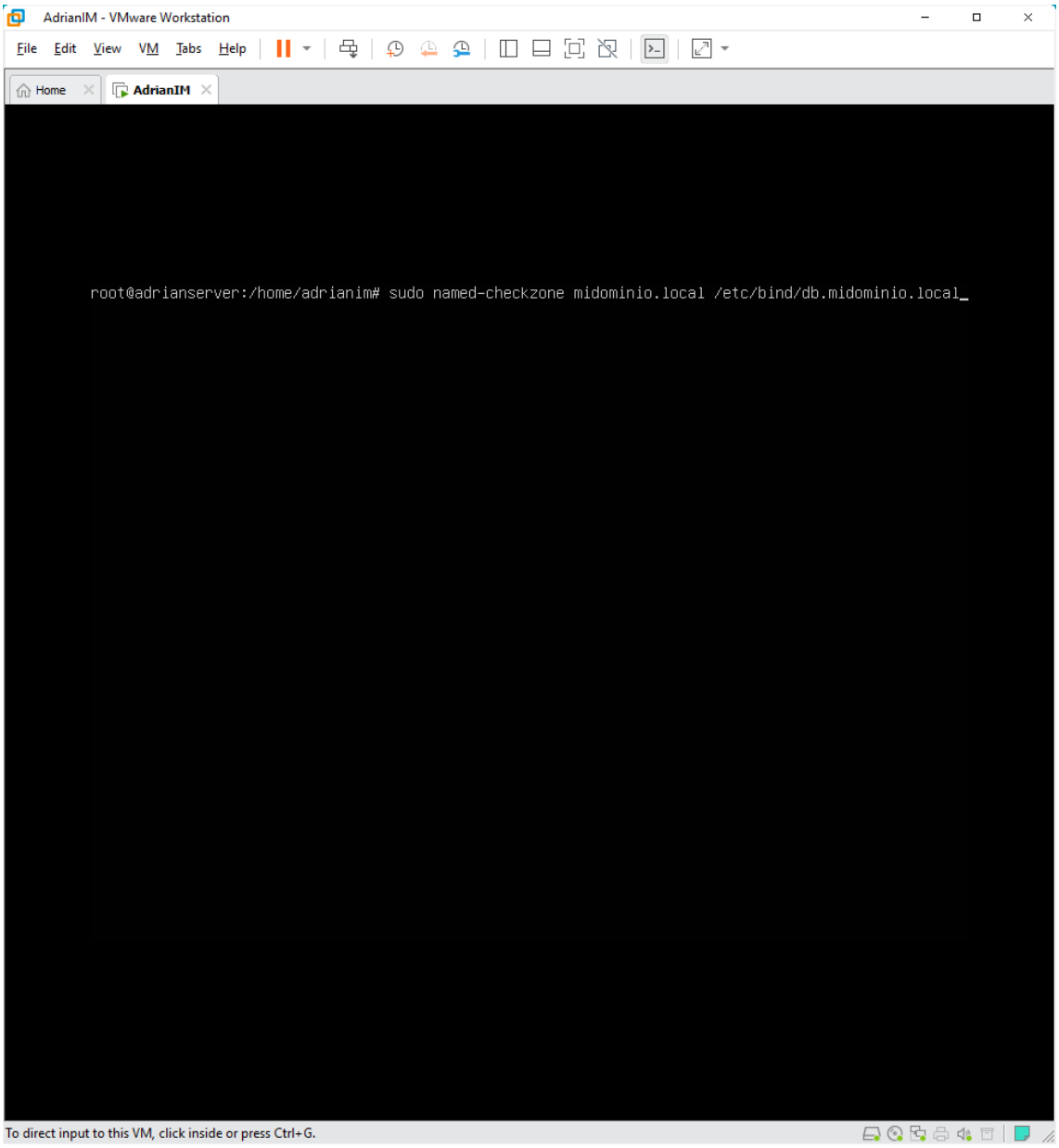

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo cp /etc/bind/db.local /etc/bind/db.midominio.local
To direct input to this VM, click inside or press Ctrl+G.

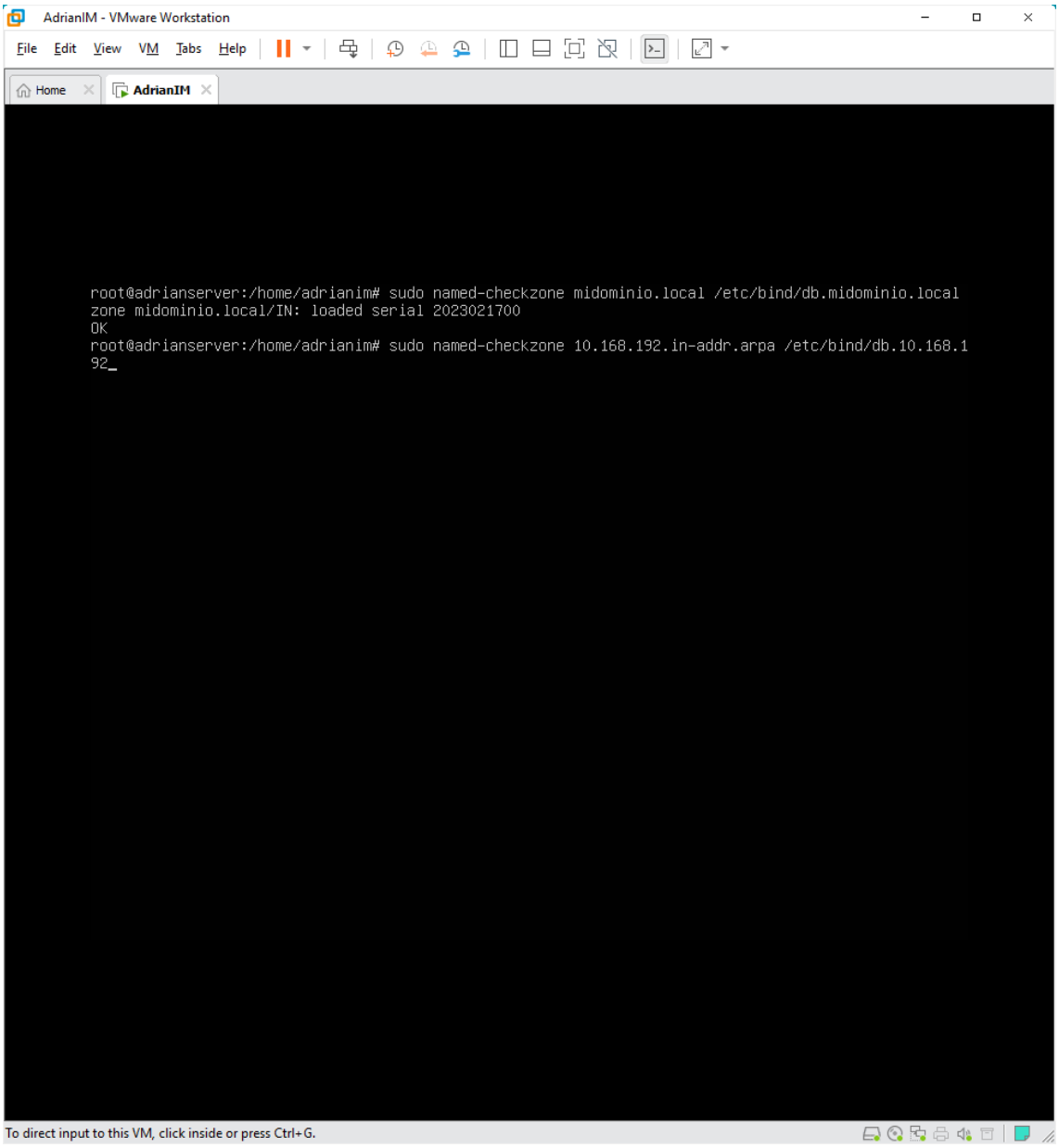

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/bind/db.midominio.local *
;
; BIND data file for local loopback interface
;
$TTL 604800
@ IN SOA midominio.local. root.midominio.local. (
2023021700 ; Serial
604800 ; Refresh
86400 ; Retry
2419200 ; Expire
604800) ; Negative Cache TTL
;
@ IN NS dns.midominio.local.
dns IN A 192.168.10.10
pc01 IN A 192.168.10.21
pc02 IN A 192.168.10.22
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

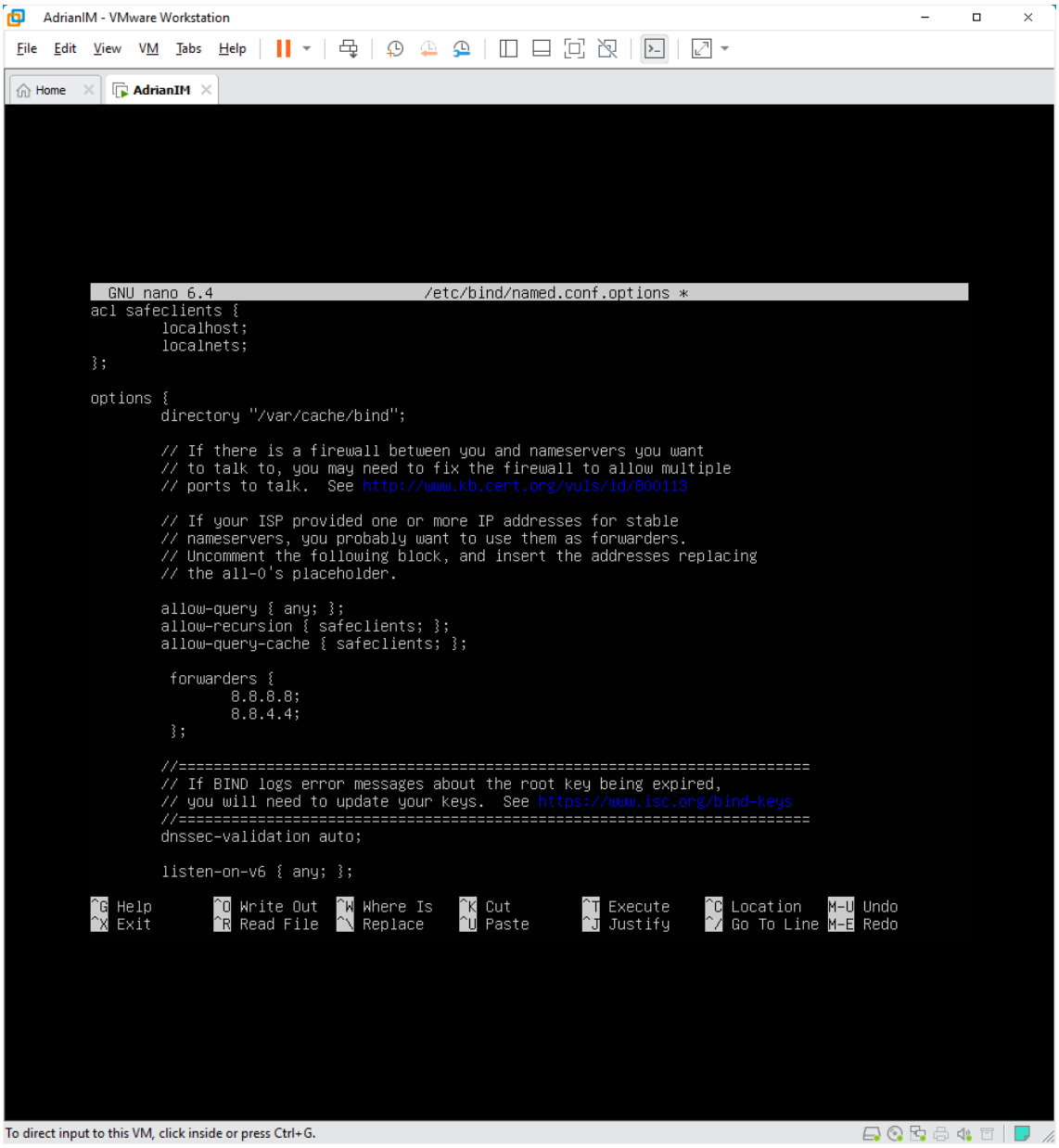

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo cp /etc/bind/db.127 /etc/bind/db.10.168.192_
To direct input to this VM, click inside or press Ctrl+G.

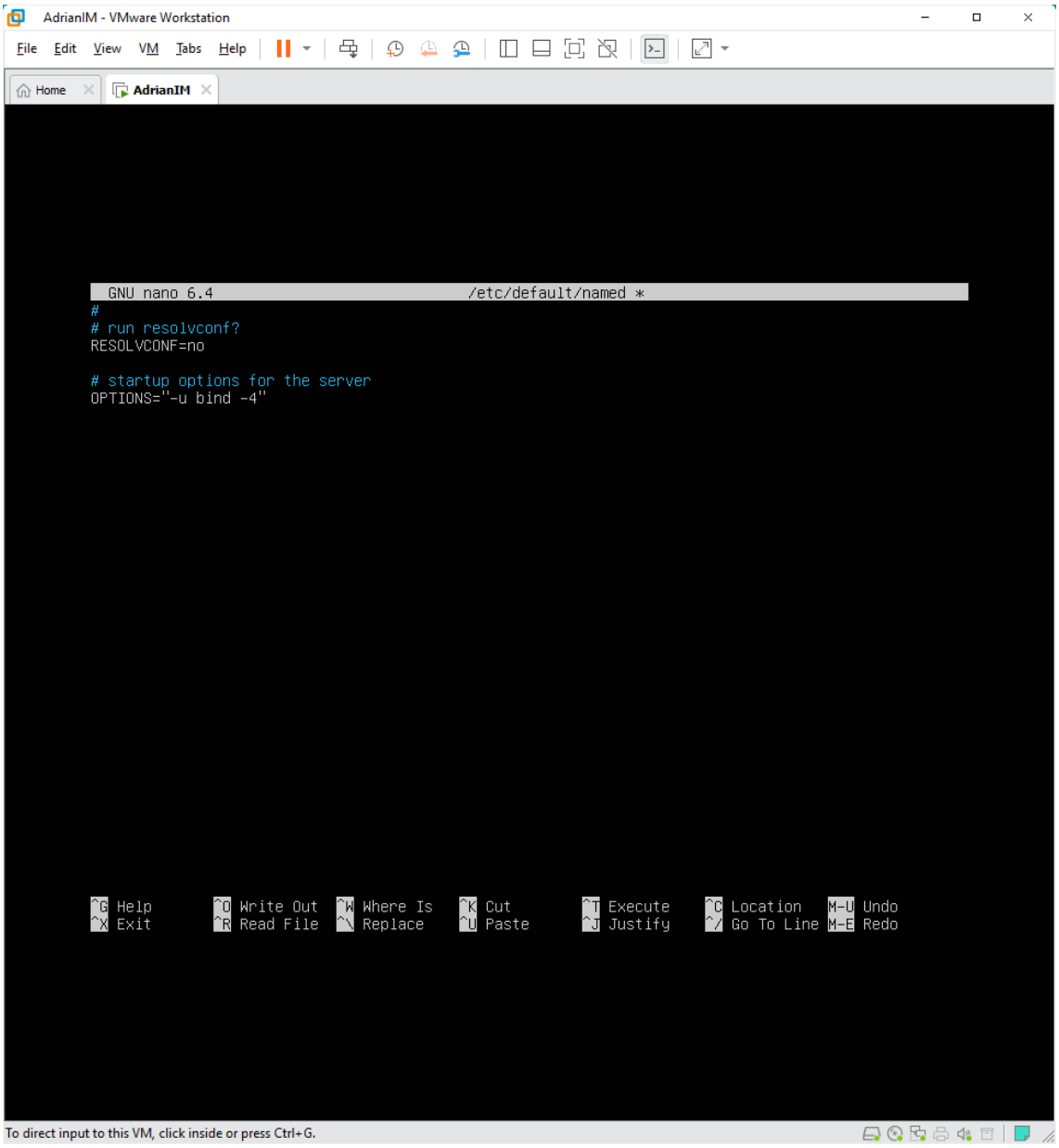

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo cp /etc/bind/db.127 /etc/bind/db.10.168.192
root@adrianserver:/home/adrianim# ls -l /etc/bind/db.*
-rw-r--r-- 1 root root 255 jul 20 2022 /etc/bind/db.0
-rw-r--r-- 1 root bind 271 feb 17 15:27 /etc/bind/db.10.168.192
-rw-r--r-- 1 root root 271 ago 25 2020 /etc/bind/db.127
-rw-r--r-- 1 root root 237 ago 25 2020 /etc/bind/db.255
-rw-r--r-- 1 root root 353 ago 25 2020 /etc/bind/db.empty
-rw-r--r-- 1 root root 270 ago 25 2020 /etc/bind/db.local
-rw-r--r-- 1 root bind 335 feb 17 15:26 /etc/bind/db.midominio.local
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.

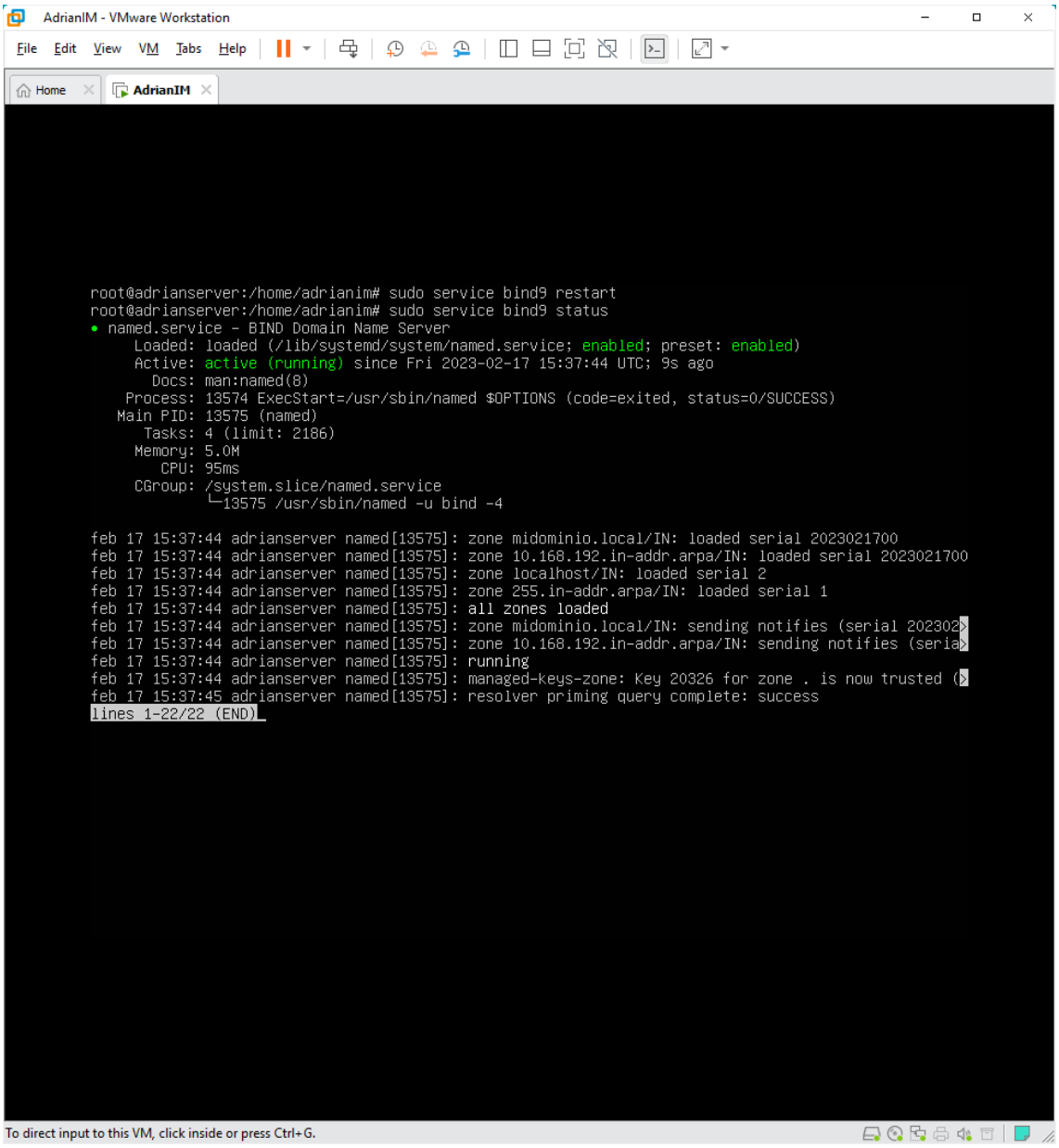

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/bind/db.10.168.192 *
;
; BIND reverse data file for local loopback interface
;
$TTL 604800
@ IN SOA midominio.local. root.midominio.local. (
2023021700 ; Serial
604800 ; Refresh
86400 ; Retry
2419200 ; Expire
604800) ; Negative Cache TTL
;
@ IN NS dns.
10 IN PTR dns.midominio.local.
21 IN PTR pc01.midominio.local.
22 IN PTR pc02.midominio.local.
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

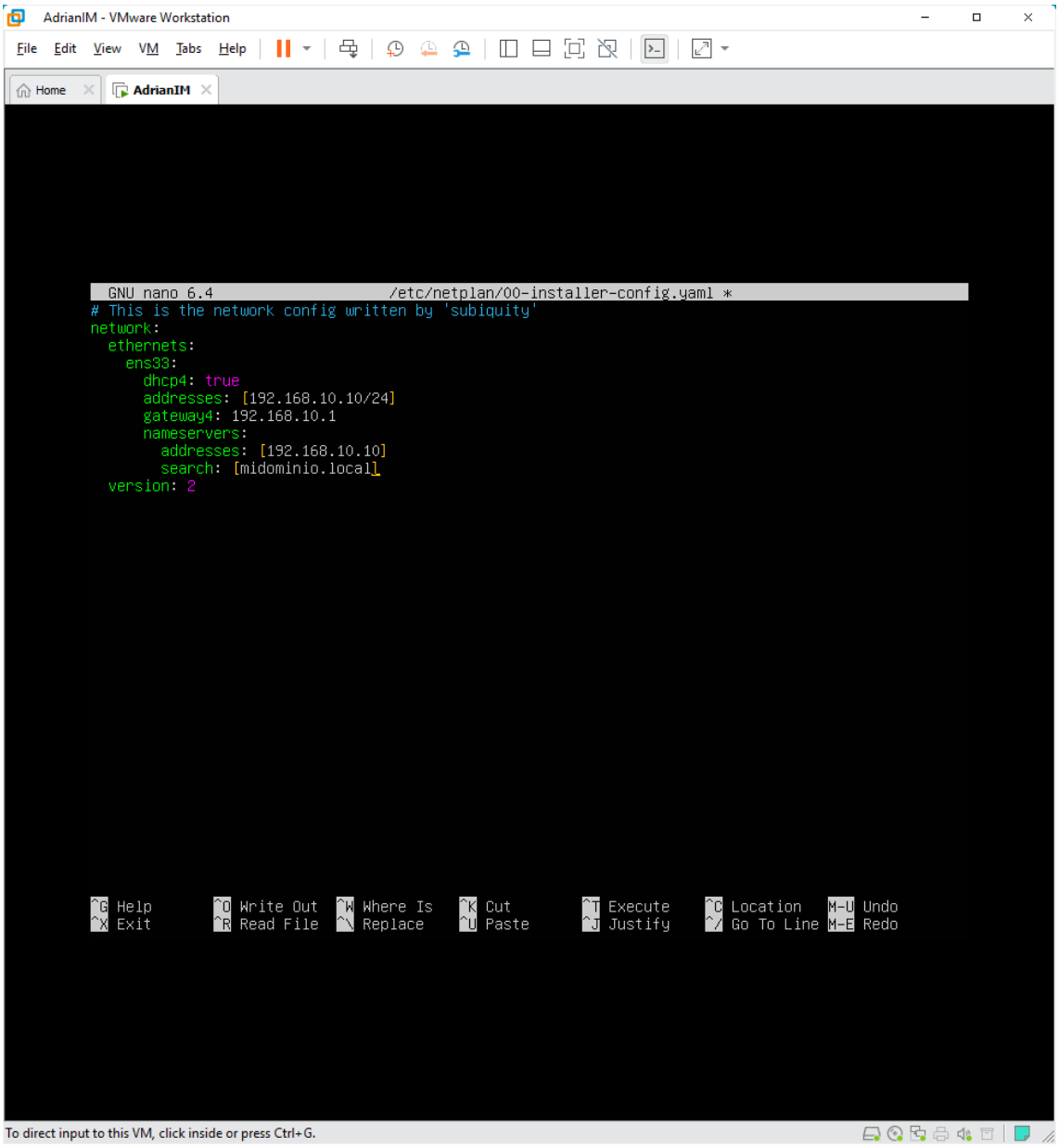

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo named-checkzone midominio.local /etc/bind/db.midominio.local
To direct input to this VM, click inside or press Ctrl+G.

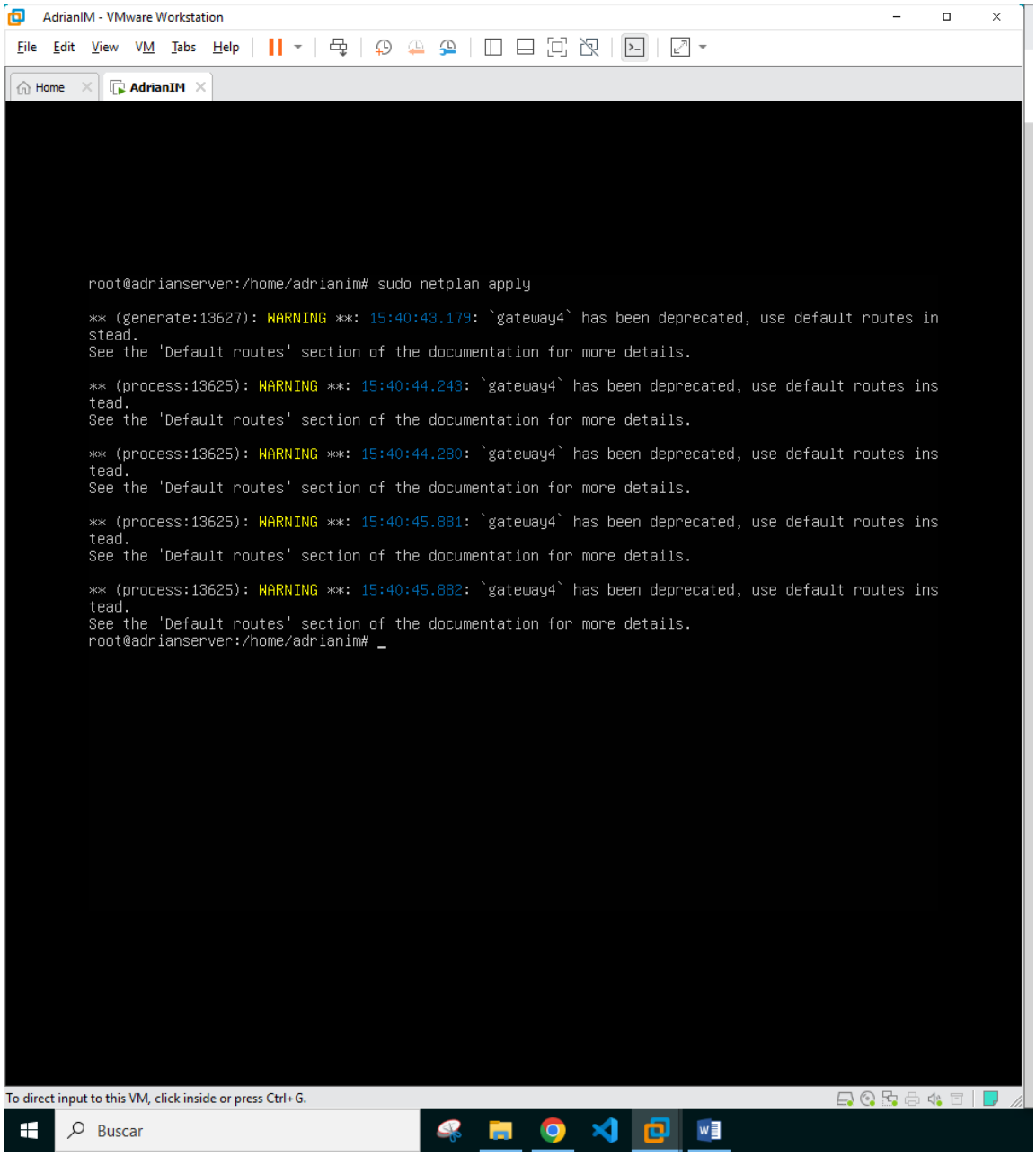

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo named-checkzone midominio.local /etc/bind/db.midominio.local
zone midominio.local/IN: loaded serial 2023021700
OK
root@adrianserver:/home/adrianim# sudo named-checkzone 10.168.192.in-addr.arpa /etc/bind/db.10.168.1
92
To direct input to this VM, click inside or press Ctrl+G.

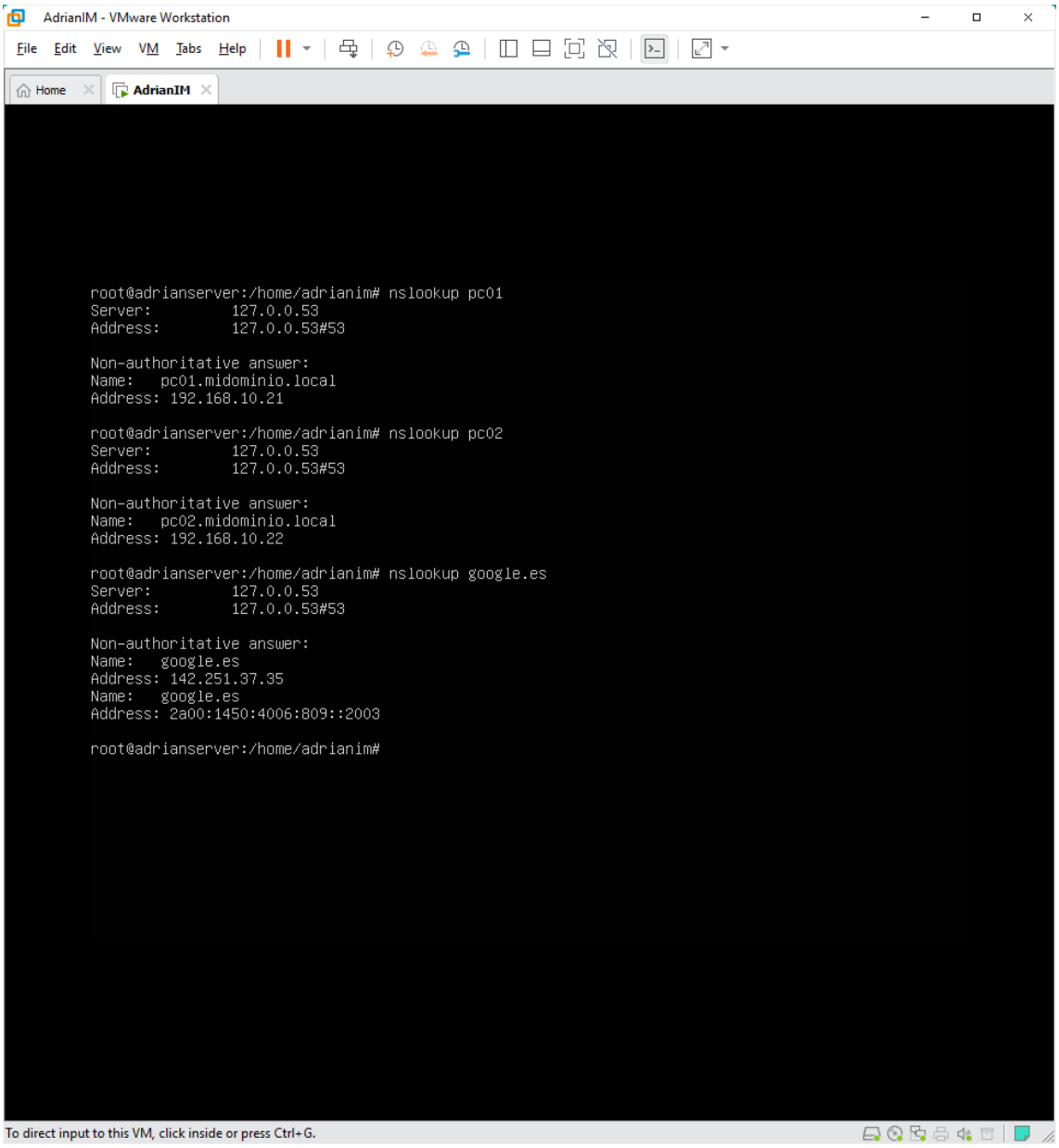

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/bind/named.conf.options *
acl safeclients {
localhost;
localnets;
};
options {
directory "/var/cache/bind";
// If there is a firewall between you and nameservers you want
// to talk to, you may need to fix the firewall to allow multiple
// ports to talk. See http://www.kb.cert.org/vuls/id/800113
// If your ISP provided one or more IP addresses for stable
// nameservers, you probably want to use them as forwarders.
// Uncomment the following block, and insert the addresses replacing
// the all-0's placeholder.
allow-query { any; };
allow-recursion { safeclients; };
allow-query-cache { safeclients; };
forwarders {
8.8.8.8;
8.8.4.4;
};
//==
// If BIND logs error messages about the root key being expired,
// you will need to update your keys. See https://www.isc.org/bind-keys
//==
dnssec-validation auto;
listen-on-v6 { any; };
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

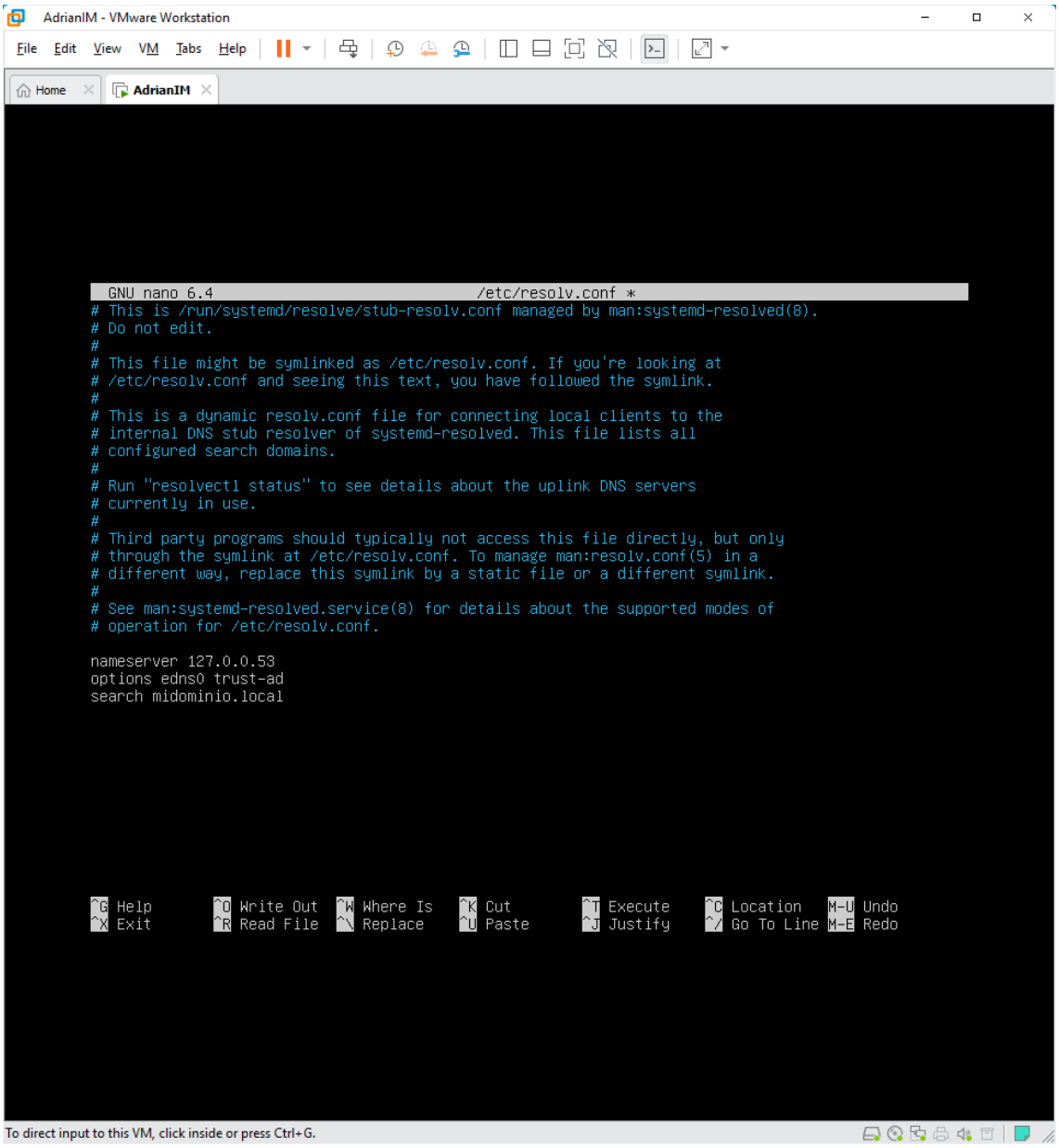

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/default/named *
#
# run resolvconf?
RESOLVCONF=no
# startup options for the server
OPTIONS="-u bind -4"
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

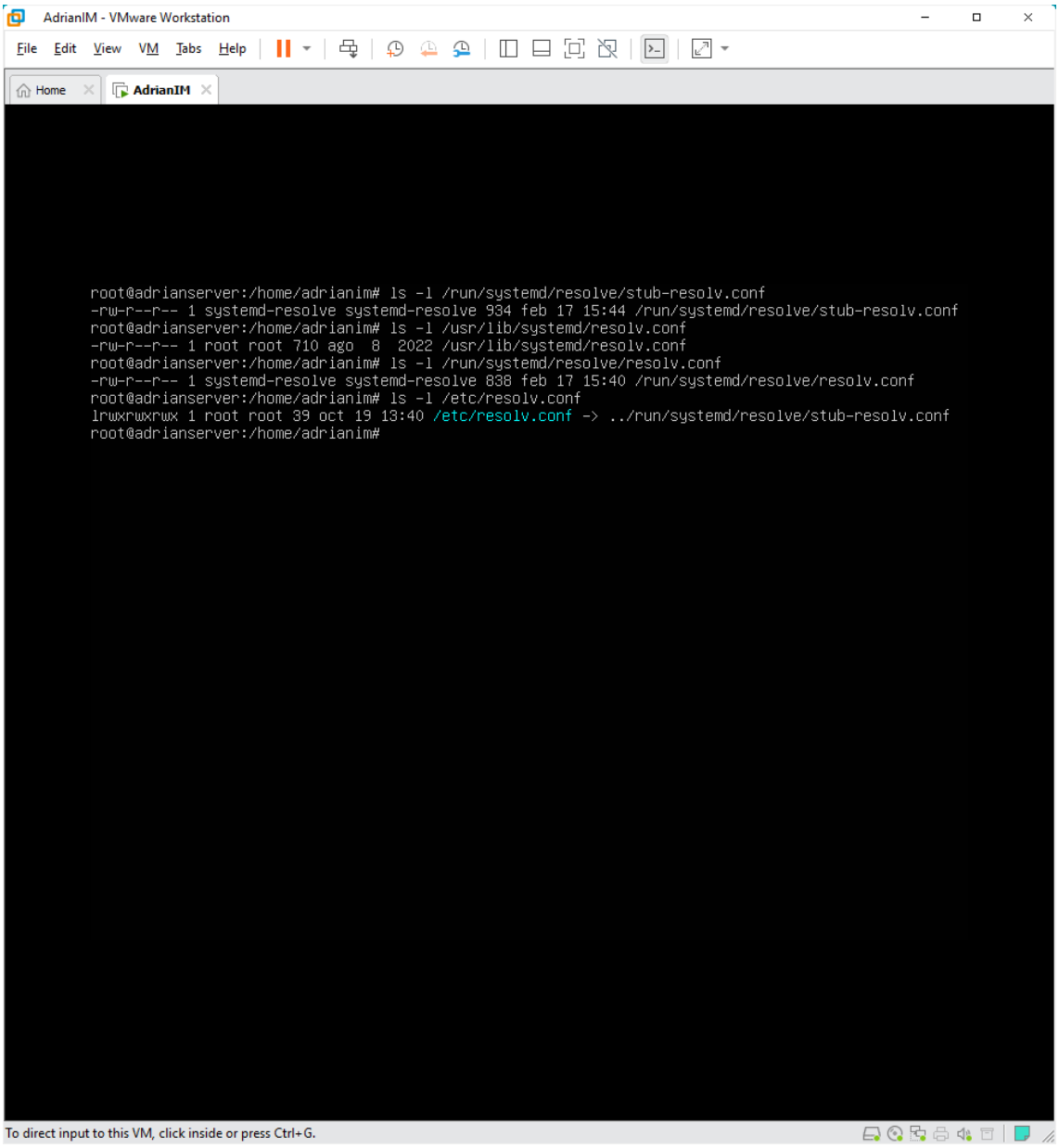

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo service bind9 restart
root@adrianserver:/home/adrianim# sudo service bind9 status
• named.service - BIND Domain Name Server
Loaded: loaded (/lib/systemd/system/named.service; enabled; preset: enabled)
Active: active (running) since Fri 2023-02-17 15:37:44 UTC; 9s ago
Docs: man:named(8)
Process: 13574 ExecStart=/usr/sbin/named $OPTIONS (code=exited, status=0/SUCCESS)
Main PID: 13575 (named)
Tasks: 4 (limit: 2186)
Memory: 5.0M
CPU: 95ms
CGroup: /system.slice/named.service
└─13575 /usr/sbin/named -u bind -4
feb 17 15:37:44 adrianserver named[13575]: zone midominio.local/IN: loaded serial 2023021700
feb 17 15:37:44 adrianserver named[13575]: zone 10.168.192.in-addr.arpa/IN: loaded serial 2023021700
feb 17 15:37:44 adrianserver named[13575]: zone localhost/IN: loaded serial 2
feb 17 15:37:44 adrianserver named[13575]: zone 255.in-addr.arpa/IN: loaded serial 1
feb 17 15:37:44 adrianserver named[13575]: all zones loaded
feb 17 15:37:44 adrianserver named[13575]: zone midominio.local/IN: sending notifies (serial 202302
feb 17 15:37:44 adrianserver named[13575]: zone 10.168.192.in-addr.arpa/IN: sending notifies (seria
feb 17 15:37:44 adrianserver named[13575]: running
feb 17 15:37:44 adrianserver named[13575]: managed-keys-zone: Key 20326 for zone . is now trusted (
feb 17 15:37:45 adrianserver named[13575]: resolver priming query complete: success
lines 1-22/22 (END)
To direct input to this VM, click inside or press Ctrl+G.

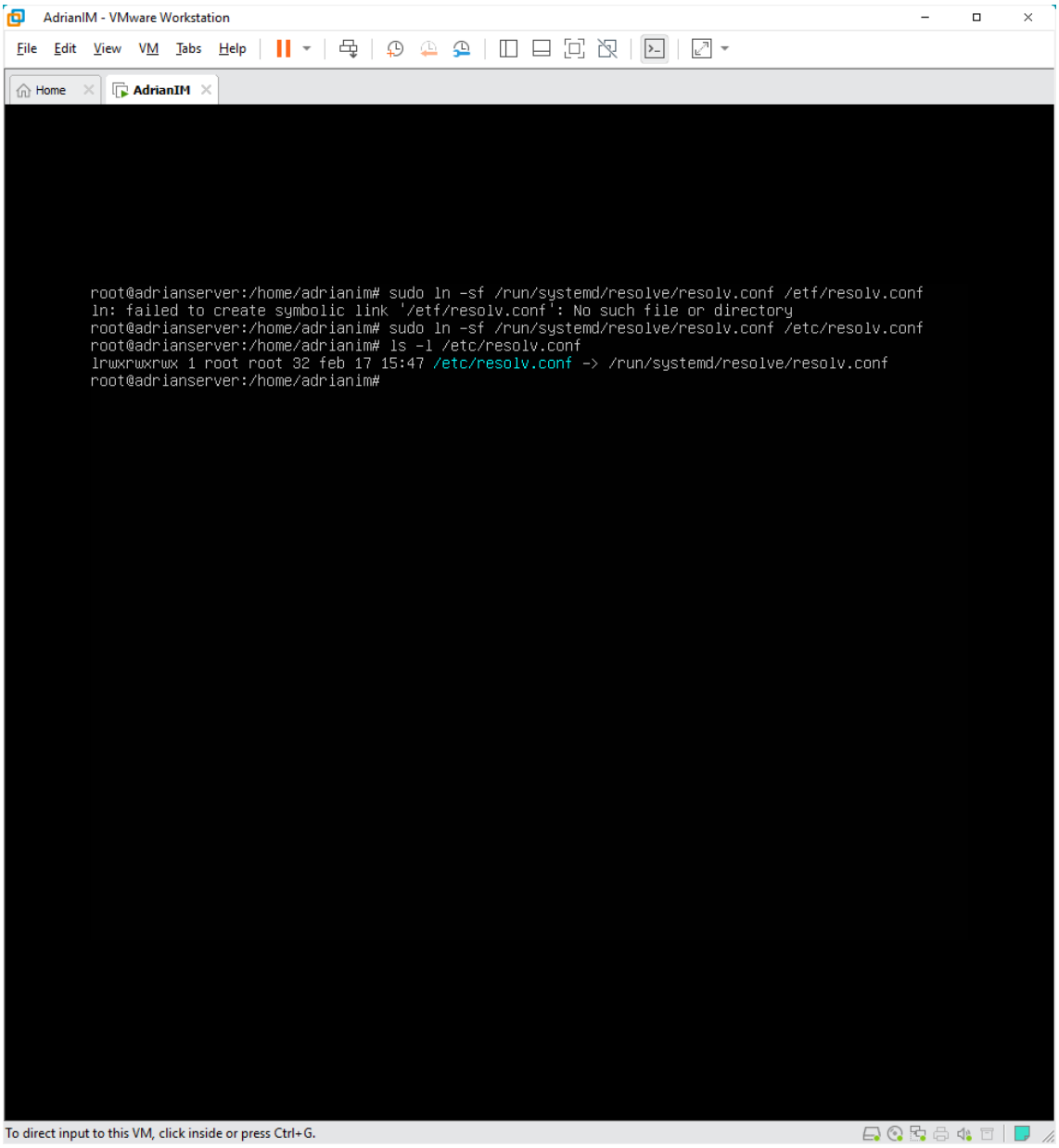

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/netplan/00-installer-config.yaml *
This is the network config written by 'subiquity'
network:
ethernets:
ens33:
dhcp4: true
addresses: [192.168.10.10/24]
gateway4: 192.168.10.1
nameservers:
addresses: [192.168.10.10]
search: [midominio.local]
version: 2
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.

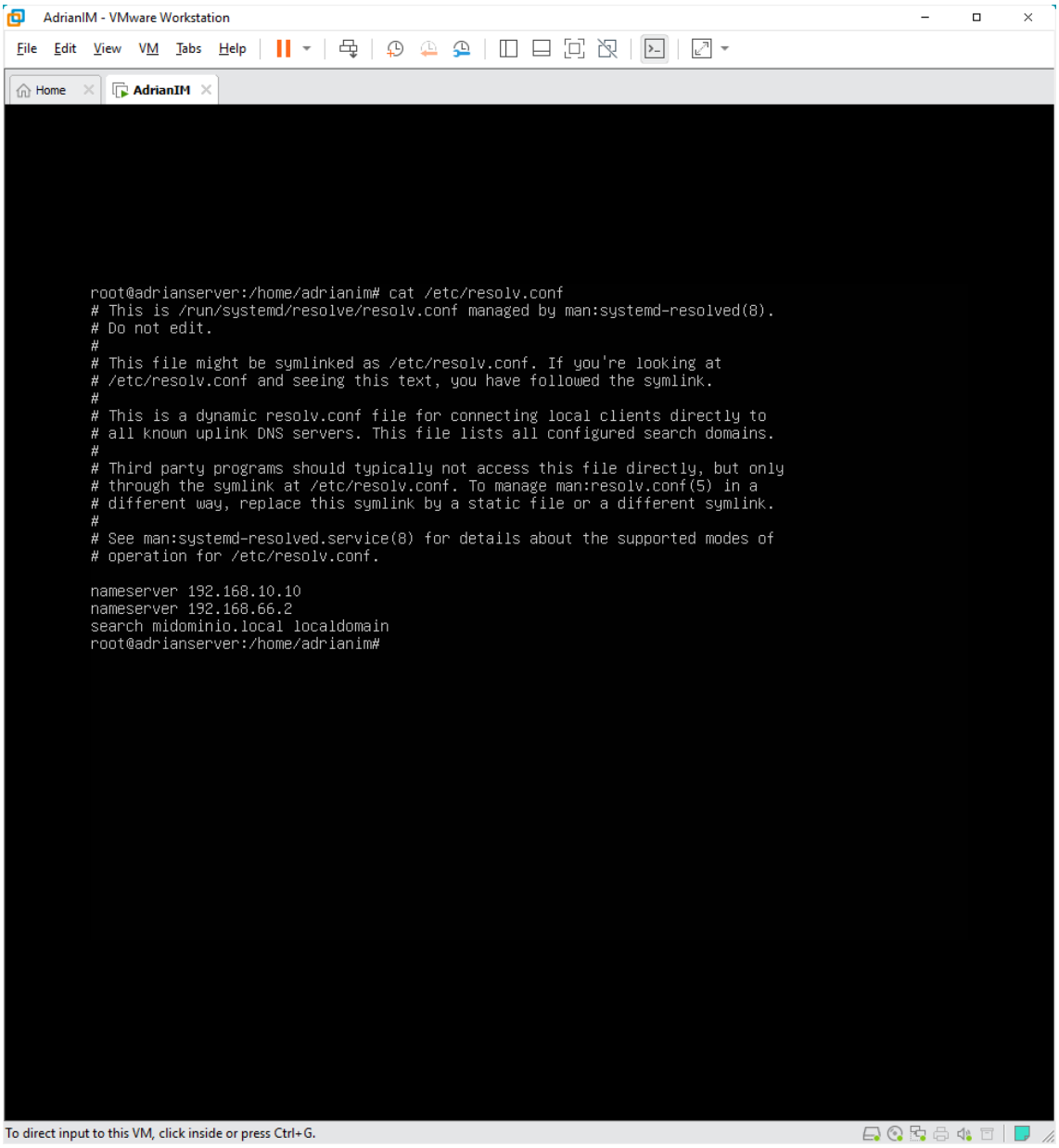

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo netplan apply
** (generate:13627): WARNING **: 15:40:43.179: `gateway4` has been deprecated, use default routes in
stead.
See the 'Default routes' section of the documentation for more details.
** (process:13625): WARNING **: 15:40:44.243: `gateway4` has been deprecated, use default routes ins
tead.
See the 'Default routes' section of the documentation for more details.
** (process:13625): WARNING **: 15:40:44.280: `gateway4` has been deprecated, use default routes ins
tead.
See the 'Default routes' section of the documentation for more details.
** (process:13625): WARNING **: 15:40:45.881: `gateway4` has been deprecated, use default routes ins
tead.
See the 'Default routes' section of the documentation for more details.
** (process:13625): WARNING **: 15:40:45.882: `gateway4` has been deprecated, use default routes ins
tead.
See the 'Default routes' section of the documentation for more details.
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.
Buscar

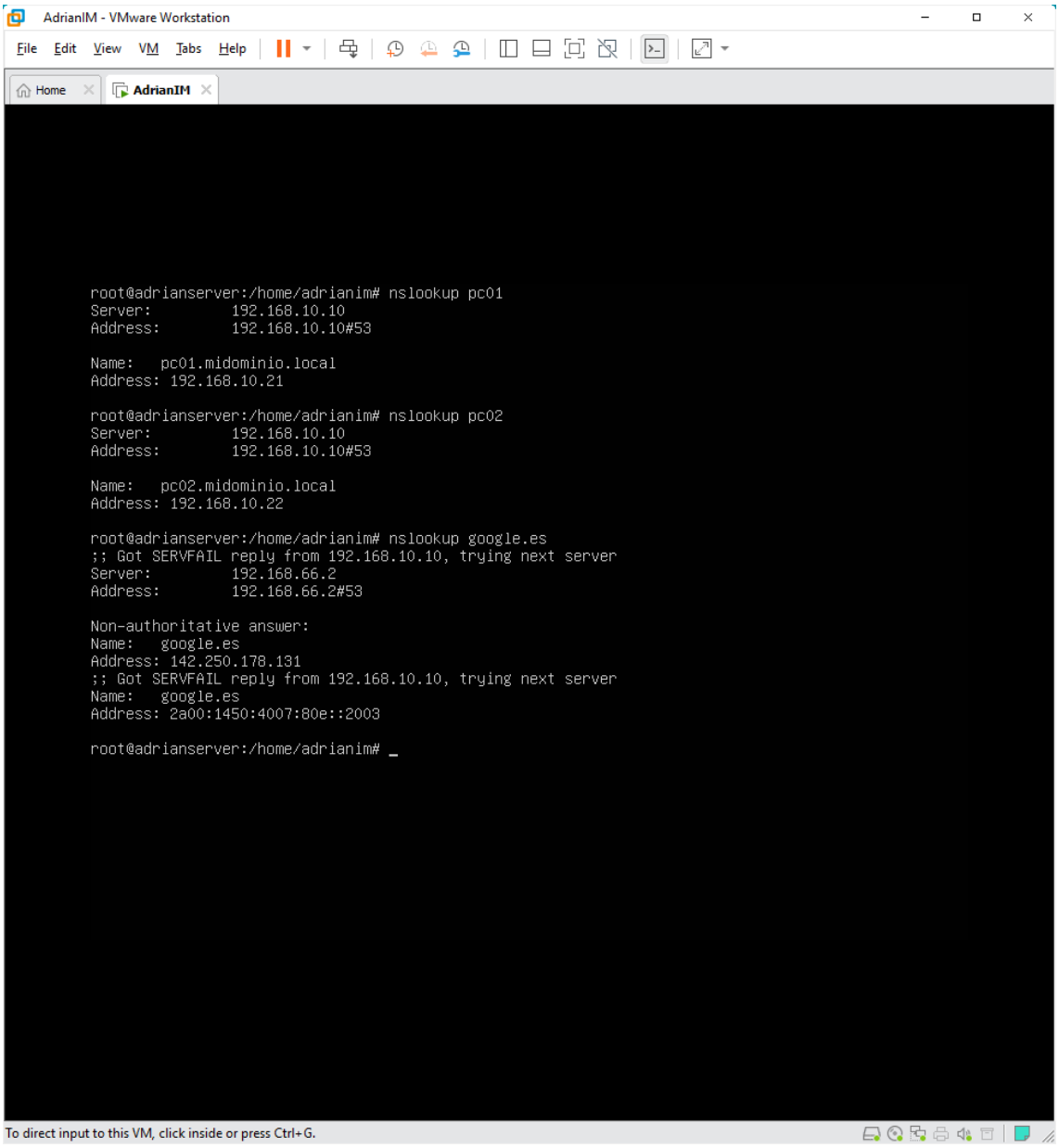

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# nslookup pc01
Server: 127.0.0.53
Address: 127.0.0.53#53
Non-authoritative answer:
Name: pc01.midominio.local
Address: 192.168.10.21
root@adrianserver:/home/adrianim# nslookup pc02
Server: 127.0.0.53
Address: 127.0.0.53#53
Non-authoritative answer:
Name: pc02.midominio.local
Address: 192.168.10.22
root@adrianserver:/home/adrianim# nslookup google.es
Server: 127.0.0.53
Address: 127.0.0.53#53
Non-authoritative answer:
Name: google.es
Address: 142.251.37.35
Name: google.es
Address: 2a00:1450:4006:809::2003
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.

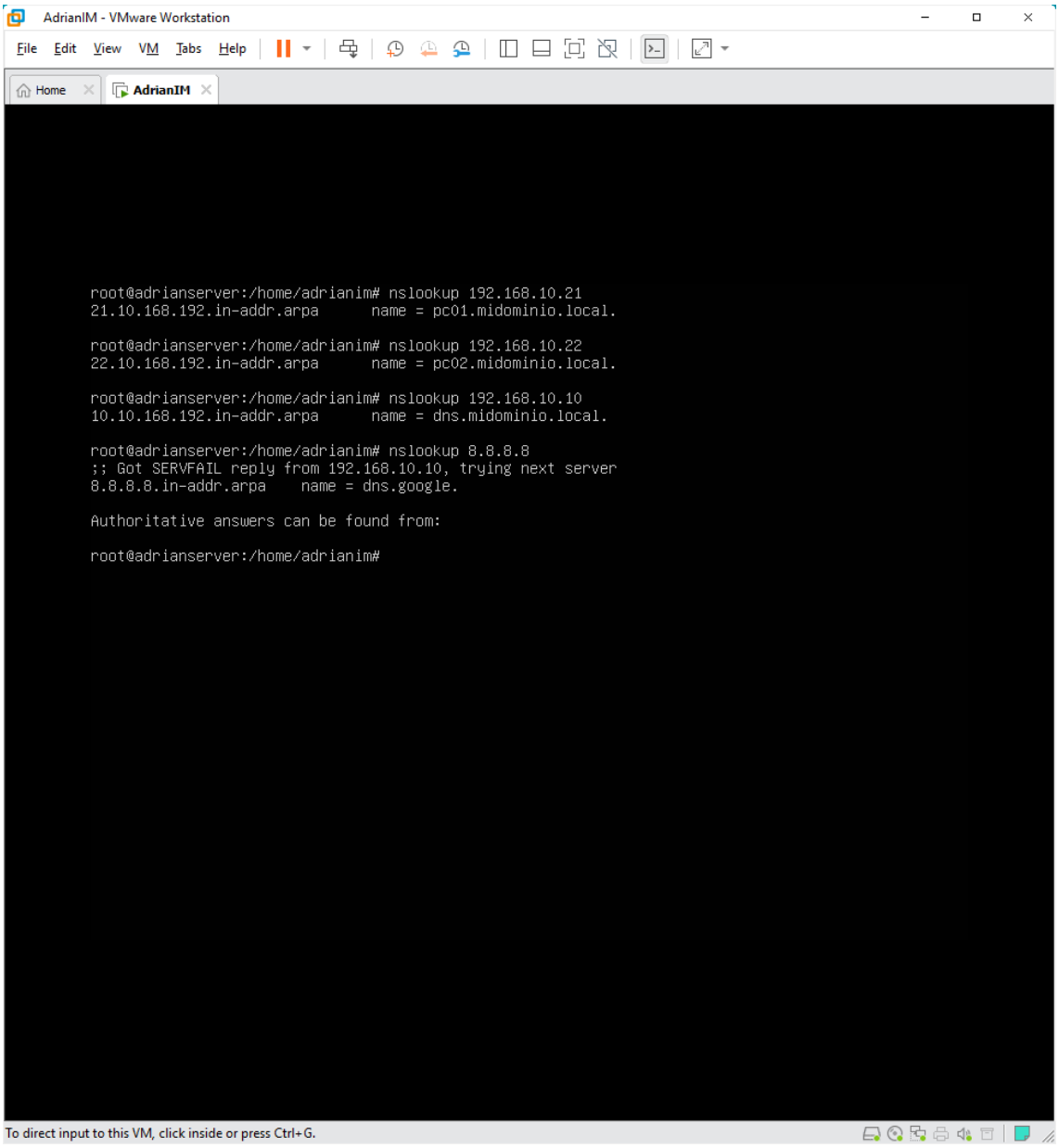

AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
GNU nano 6.4 /etc/resolv.conf *
This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
Do not edit.
#
This file might be symlinked as /etc/resolv.conf. If you're looking at
/etc/resolv.conf and seeing this text, you have followed the symlink.
#
This is a dynamic resolv.conf file for connecting local clients to the
internal DNS stub resolver of systemd-resolved. This file lists all
configured search domains.
#
Run "resolvectl status" to see details about the uplink DNS servers
currently in use.
#
Third party programs should typically not access this file directly, but only
through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
different way, replace this symlink by a static file or a different symlink.
#
See man:systemd-resolved.service(8) for details about the supported modes of
operation for /etc/resolv.conf.
nameserver 127.0.0.53
options edns0 trust-ad
search midominio.local
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
To direct input to this VM, click inside or press Ctrl+G.


AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# ls -l /run/systemd/resolve/stub-resolv.conf
-rw-r--r-- 1 systemd-resolve systemd-resolve 934 feb 17 15:44 /run/systemd/resolve/stub-resolv.conf
root@adrianserver:/home/adrianim# ls -l /usr/lib/systemd/resolv.conf
-rw-r--r-- 1 root root 710 ago 8 2022 /usr/lib/systemd/resolv.conf
root@adrianserver:/home/adrianim# ls -l /run/systemd/resolve/resolv.conf
-rw-r--r-- 1 systemd-resolve systemd-resolve 838 feb 17 15:40 /run/systemd/resolve/resolv.conf
root@adrianserver:/home/adrianim# ls -l /etc/resolv.conf
lrwxrwxrwx 1 root root 39 oct 19 13:40 /etc/resolv.conf -> ../run/systemd/resolve/stub-resolv.conf
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.


AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# sudo ln -sf /run/systemd/resolve/resolv.conf /etf/resolv.conf
ln: failed to create symbolic link '/etf/resolv.conf': No such file or directory
root@adrianserver:/home/adrianim# sudo ln -sf /run/systemd/resolve/resolv.conf /etc/resolv.conf
root@adrianserver:/home/adrianim# ls -l /etc/resolv.conf
lrwxrwxrwx 1 root root 32 feb 17 15:47 /etc/resolv.conf -> /run/systemd/resolve/resolv.conf
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.


AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# cat /etc/resolv.conf
This is /run/systemd/resolve/resolv.conf managed by man:systemd-resolved(8).
Do not edit.
#
This file might be symlinked as /etc/resolv.conf. If you're looking at
/etc/resolv.conf and seeing this text, you have followed the symlink.
#
This is a dynamic resolv.conf file for connecting local clients directly to
all known uplink DNS servers. This file lists all configured search domains.
#
Third party programs should typically not access this file directly, but only
through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
different way, replace this symlink by a static file or a different symlink.
#
See man:systemd-resolved.service(8) for details about the supported modes of
operation for /etc/resolv.conf.
nameserver 192.168.10.10
nameserver 192.168.66.2
search midominio.local localdomain
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.


AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# nslookup pc01
Server: 192.168.10.10
Address: 192.168.10.10#53
Name: pc01.midominio.local
Address: 192.168.10.21
root@adrianserver:/home/adrianim# nslookup pc02
Server: 192.168.10.10
Address: 192.168.10.10#53
Name: pc02.midominio.local
Address: 192.168.10.22
root@adrianserver:/home/adrianim# nslookup google.es
;; Got SERVFAIL reply from 192.168.10.10, trying next server
Server: 192.168.66.2
Address: 192.168.66.2#53
Non-authoritative answer:
Name: google.es
Address: 142.250.178.131
;; Got SERVFAIL reply from 192.168.10.10, trying next server
Name: google.es
Address: 2a00:1450:4007:80e::2003
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.


AdrianIM - VMware Workstation
File Edit View VM Tabs Help
Home
AdrianIM
root@adrianserver:/home/adrianim# nslookup 192.168.10.21
21.10.168.192.in-addr.arpa name = pc01.midominio.local.
root@adrianserver:/home/adrianim# nslookup 192.168.10.22
22.10.168.192.in-addr.arpa name = pc02.midominio.local.
root@adrianserver:/home/adrianim# nslookup 192.168.10.10
10.10.168.192.in-addr.arpa name = dns.midominio.local.
root@adrianserver:/home/adrianim# nslookup 8.8.8.8
;; Got SERVFAIL reply from 192.168.10.10, trying next server
8.8.8.8.in-addr.arpa name = dns.google.
Authoritative answers can be found from:
root@adrianserver:/home/adrianim#
To direct input to this VM, click inside or press Ctrl+G.