

Majordomo Liste Yöneticisi Kurulumu NASIL

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Özet

Majordomo internet üzerindeki eposta listelerinin idaresinde görev alan bir programdır.

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Geçmiş

1.0	Ekim 2002	Genco Yılmaz
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İlk sürüm – Belgenin özgün sürümü <https://genco.marketweb.net.tr/Belgeler/> adresinde bulunabilir.

1. Majordomo Nedir?

Kelime anlamı olarak konuşan ve düzenleme yapan kişi anlamına gelmektedir. Latince "Major Domus" = "Ev efendisi"

Majordomo internet üzerindeki eposta listelerinin idaresinde görev alan bir programdır. Eposta aracılığıyla gönderilen komutlar majordomo tarafından işleme alınır.

2. Majordomo kurulumu ve ayarları

2.1. Majordomo kurmak için nelere ihtiyacınız var?

1. Perl 4.036 sürümü ya da 5.002 (İsterseniz daha yüksek bir sürüm kullanın. Seçim sizin).
2. Bir C derleyici. gcc sizin için yeterli olacaktır :)

2.2. Majordomo programını nereden alacaksınız?

<http://www.greatcircle.com/majordomo/1.94.5/majordomo-1.94.5.tar.gz> adresinden ya da <http://genco.marketweb.net.tr/Documents/download/majordomo-1.94.5.tar.gz> adresinden programın güncel sürümlerini edinebilirsiniz.

2.3. Kurulum Hazırlık

İlk önce sistemimize `majordomo` kullanıcısını ekleyelim. Kullanıcıyı sisteme eklerken ev dizinini `/usr/local/majordomo` olarak ayarlayınız. Program bu dizin altına kurulacak.

```
# adduser majordomo
```

Majordomo sizin belirlemiş olduğunuz bir UID ve GID ile çalışmak durumundadır. Örneğin benim kullandığım sistem **Slackware 7.1** ve majordomo kullanıcısını UID: 1042, GID: 12 olacak şekilde oluşturuyorum.

Burada 12 no'lu grup kimliği `mail` grubuna ait, siz isterseniz majordomo kullanıcısını başka bir gruba dahil edebilirsiniz.

Majordomo'nun `resend` programının düzgün şekilde çalışabilmesi için, majordomo kullanıcısı `sendmail`'in yapılandırma dosyasında `Trusted User` olarak tanımlanmalıdır. Bunun için `/etc/mail/sendmail.cf` dosyası içinde

```
Troot
Tdaemon
Tuucp
```

satırlarının altına `Tmajordomo` yazalım. Daha sonra `sendmail` sürecine `HUP` sinyalini gönderelim.

```
# kill -HUP `head -n 1 /var/run/sendmail.pid`
```

İndirmiş olduğumuz paketi aşağıdaki komut ile `/usr/local` dizini altına açıyoruz ve `/usr/local/majordomo-1.94.5` dizini oluşturuyor. Şimdi aşağıdaki işlemleri sırasıyla yapalım.

```
# tar -zxvf majordomo-1.94.5.tar.gz -C /usr/local
# mv /usr/local/majordomo-1.94.5 /usr/local/majordomo
```

dizininin adını `majordomo` olarak değiştirdik.

```
# chown -R majordomo:mail /usr/local/majordomo
```

Kullanıcı ve grup ayarlarını yaptık.(Ben grup olarak mail tanımladım, siz majordomo'yu hangi gruba atadıysanız burada o grubu yazıyorsunuz.

```
#su - majordomo
```

majordomo kullanıcısı olduk. Şimdi ev dizinimize bakıyoruz.

```
$ pwd
```

komutunun çıktısı /usr/local/majordomo olması gerekir.

2.4. Makefile Dosyasının Yapılandırılması

/usr/local/majordomo/Makefile dosyasını aşağıdaki gibi düzenleyelim.



Dikkat

Perl programının dosya yolunu düzeltmek durumunda kalabilirsiniz. Öntanımlı olarak /bin/perl yazıyor, fakat ben de /usr/bin/perl yolundaydım.Diğer kısımları da aşağıdaki dosyaya bakarak değiştirebilirsiniz.

```
# This is the Makefile for Majordomo.
#
#----- Configure these items -----#
#
# Put the location of your Perl binary here:
PERL = /usr/bin/perl/usr/bin/perl

# What do you call your C compiler?
CC = cc

# Where do you want Majordomo to be installed? This CANNOT be the
# current directory (where you unpacked the distribution)
W_HOME = /usr/local/majordomo
W_HOME = /usr/local/majordomo

# Where do you want man pages to be installed?
MAN = $(W_HOME)/man

# You need to have or create a user and group which majordomo will run as.
# Enter the numeric UID and GID (not their names!) here:
W_USER = 1042
W_GROUP = 12

# These set the permissions for all installed files and executables (except
# the wrapper), respectively. Some sites may wish to make these more
# lenient, or more restrictive.
FILE_MODE = 644
EXEC_MODE = 755
HOME_MODE = 751

# If your system is POSIX (e.g. Sun Solaris, SGI Irix 5 and 6, Dec Ultrix MIPS,
# BSDI or other 4.4-based BSD, Linux) use the following four lines. Do not
# change these values!
WRAPPER_OWNER = root
```

```
WRAPPER_GROUP = $(W_GROUP)
WRAPPER_MODE = 4755
POSIX = -DPOSIX_UID=$(W_USER) -DPOSIX_GID=$(W_GROUP)
# Otherwise, if your system is NOT POSIX (e.g. SunOS 4.x, SGI Irix 4,
# HP DomainOS) then comment out the above four lines and uncomment
# the following four lines.
# WRAPPER_OWNER = $(W_USER)
# WRAPPER_GROUP = $(W_GROUP)
# WRAPPER_MODE = 6755
# POSIX =

# Define this if the majordomo programs should *also* be run in the same
# group as your MTA, usually sendmail. This is rarely needed, but some
# MTAs require certain group memberships before allowing the message sender
# to be set arbitrarily.
# MAIL_GID = numeric_gid_of_MTA

# This is the environment that (along with LOGNAME and USER inherited from the
# parent process, and without the leading "W_" in the variable names) gets
# passed to processes run by "wrapper"
W_SHELL = /bin/sh
W_PATH = /bin:/usr/bin:/usr/ucb
W_MAJORDOMO_CF = $(W_HOME)/majordomo.cf

# A directory for temp files..
TMPDIR = /usr/tmp

#-----YOU SHOULDN'T HAVE TO CHANGE ANYTHING BELOW THIS LINE.-----
```

2.5. majordomo.cf Dosyasının Yapılandırılması

Yine aynı dizindeki `/usr/local/majordomo/sample.cf` dosyasını `majordomo.cf` dosyasına kopyalayalım (majordomo.cf dosyası var olmak zorunda değildir).

```
$ cp sample.cf majordomo.cf
```

Ve `majordomo.cf` dosyasını aşağıdaki şekilde sizin sisteminize uyarlayarak düzenleyiniz. (sendmail programının yoluna dikkat!)



Uyarı

smtp makina adresi olarak aşağıda yazılmış olan `olympus.gen.tr` sizin smtp makina adresine çeviriniz.

```
# A sample configuration file for majordomo. You must read through this and
# edit it accordingly!
#

# $whereami -- What machine am I running on?
#
$whereami = "olympus.gen.tr";

# $whoami -- Who do users send requests to me as?
#
```

```
$whoami = "Majordomo\@$whereami";

# $whoami_owner -- Who is the owner of the above, in case of problems?
#
$whoami_owner = "Majordomo-Owner\@$whereami";

# $homedir -- Where can I find my extra .pl files, like majordomo.pl?
# the environment variable HOME is set by the wrapper
#
if ( defined $ENV{"HOME"} ) {
    $homedir = $ENV{"HOME"};
} else {
    $homedir = "/usr/local/majordomo";
}

# $listdir -- Where are the mailing lists?
#
$listdir = "$homedir/lists";

# $digest_work_dir -- the parent directory for digest's queue area
# Each list must have a subdirectory under this directory in order for
# digest to work. E.G. The bblisa list would use:
# /usr/local/mail/digest/bblisa
# as its directory.
#
$digest_work_dir = "/usr/local/mail/digest";

# $log -- Where do I write my log?
#
$log = "$homedir/Log";

# $sendmail_command -- Pathname to the sendmail program
# usually /usr/lib/sendmail, but some newer BSD systems
# seem to prefer /usr/sbin/sendmail
#
#$sendmail_command = "/usr/lib/sendmail";
$sendmail_command = "/usr/bin/sendmail";
```

2.6. Kurulum

```
$ make wrapper
```

komutunu vererek `wrapper` programının uygun şekilde derlenebildiğini sınıyoruz.

```
$ make install
```

Sıra `wrapper`'ı yüklemeye geldi. İlk önce `root` olalım.

```
$ su root
# make install-wrapper
```

Komutunu `root` olarak çalıştıralım. Çünkü `wrapper` programı `setuid` olarak yüklenmek zorundadır.

`/etc/mail/aliases` dosyasının içine şu satırları yazalım:

```
majordomo: "|/usr/local/majordomo/wrapper majordomo"
majordomo-owner: can@olympus.gen.tr,
owner-majordomo: can@olympus.gen.tr,
```

**Uyarı**

`can@olympus.gen.tr` adresini kendi adresiniz şeklinde değiştiriniz.

Değişikliklerin etkin olması için `newaliases` komutunu çalıştırıyoruz.

```
# newaliases
```

2.7. Kurulumun Sınanması

Programların ve izinlerin düzgün şekilde çalışıp çalışmadığını sınamak için sistemdeki herhangi bir kullanıcı ile (majordomo ve root dışında normal bir kullanıcı) majordomo ev dizinine geçelim.

```
$ cd /usr/local/majordomo
```

sonra aşağıdaki komutu çalıştıralım.

**Dikkat**

`/usr/local/majordomo` dizininde izin listelemesi yapamazsınız.

Bu nedenle `ls` komutunu vermeden aşağıdaki komutu çalıştıralım.

```
$ ./wrapper config-test
```

Bu komutun çıktısı hemen hemen aşağıdaki şekilde olacaktır.

```
-----
----- Config-test for Majordomo -----
-----

----- Obvious things: -----
----- environment variables -----
HOME=/usr/local/majordomo-1.94.5
LOGNAME=majordomo
MAJORDOMO_CF=/usr/local/majordomo-1.94.5/majordomo.cf
PATH=/bin:/usr/bin:/usr/ucb
SHELL=/bin/sh
USER=majordomo
----- euid/egid checks -----
effective user = majordomo (uid 1111)
effective group = users users (gid 100 100 )
----- uid/gid checks -----
real user = majordomo (uid 1111)
real group = users users (gid 100 100 )
-----

Non obvious things that cause headaches:

-----
Good: 'require'd /usr/local/majordomo-1.94.5/majordomo.cf okay.
Good: found ctime.pl okay.
Good: found majordomo_version.pl okay.
Good: found majordomo.pl okay.
Good: found shlock.pl okay.
Good: found config_parse.pl okay.
```

You're running Majordomo Version 1.94.5.

====> Majordomo home directory is /usr/local/majordomo-1.94.5.

----- Include directories -----

/usr/local/majordomo-1.94.5
/usr/lib/perl5/i386-linux
/usr/lib/perl5
/usr/lib/perl5/site_perl/i386-linux
/usr/lib/perl5/site_perl
/usr/lib/perl5/site_perl
.

----- Home -----

Good: chdir to /usr/local/majordomo-1.94.5 succeeded.

Good: Created a mock lock file.

----- temp directory -----

Good: Created a temp file in \$TMPDIR (/usr/tmp).

----- list directory -----

Hmmm, list directory /usr/local/majordomo-1.94.5/lists doesn't exist
or isn't a directory.

Let me try to make it for you...

Good: list directory /usr/local/majordomo-1.94.5/lists created.

----- log -----

Logfile /usr/local/majordomo-1.94.5/Log didn't exist, trying to create...
okay, now chmod'ing..

Good: logfile /usr/local/majordomo-1.94.5/Log exists and is writeable.

----- Mailers -----

You have defined a mailer for delivery.

Attempting to verify that this is a valid mailer...looks okay.

You have defined a mailer for delivering administrative messages.

Attempting to verify that this is a valid mailer...looks okay.

----- Checking majordomo.cf -----

Checking to see if there are new variables that should be in
your majordomo.cf file...Nope, none that I see.

Have you configured where Majordomo is?

\$whereami is olympos.gen.tr

Good: yup!

----- end of tests -----

Nothing bad found! Majordomo _should_ work correctly.

If it doesn't, check your configuration file

(/usr/local/majordomo-1.94.5/majordomo.cf)

closely, and if it still looks okay, consider asking the majordomo-users
mailing list at "majordomo-users@greatcircle.com" for assistance. Be sure
and fully specify what your problems are, and what type of machine (and
operating system) you are using.

Enjoy!

I see you haven't registered this version of Majordomo.

By registering, you will be notified of patches and further releases

of Majordomo. Shall I send email to majordomo-registration@greatcircle.com


```
to register this version? (I'll cc Majordomo-Owner@olympus.gen.tr)
[yes]
```

Majordomo programınızı kayıt ettirmek istiyorsanız <enter>'a basabilirsiniz.

Son adımlara geldik. `majordomo` adresine ileti gövdesinde sadece `lists` yazan bir komut gönderelim. Komuta karşılık `majordomo`'dan aşağıdaki cevabı alıyorsak işimiz hemen hemen tamamdır.

```
>>>> lists
Majordomo@olympus.gen.tr serves the following lists:

Use the 'info <list>' command to get more information
about a specific list.
>>>>
```

3. Yaşanabilecek Olası Sorunlar

Okumanızı tavsiye ederim.

- Majordomo'da dizinler ve dosyalar 770 ya da 775 izinlerinde olmak durumundadırlar. Fakat 755 de işi görmektedir. Bütün kurulum bittikten sonra şu şekilde bir hata alabilirsiniz. (ki ben aldım):

```
----- Transcript of session follows -----
550 5.2.4:include:/usr/local/majordomo/lists/deneme... Cannot open ~
      /usr/local/majordomo/lists/deneme: Group writable directory
```

Aşağıdaki komut ile `lists` dizinimizin kipini 755 yapıyoruz. Sorun düzeliyor.

```
$ chmod 755 /usr/local/majordomo/lists
```

- "Sendmail Restricted Shell" kullanan bir sistem çalıştırıyorsanız ek birkaç işlem yapmak durumundasınız. Sendmail, `smrsh` kullandığından çalıştırılabilir programların hepsi `/etc/smrsh` dizini altında bulunmak zorundadır.(Red Hat'ta hep bu işlemi yapmak zorunda kalmıştım). Aşağıdaki komutlarla `/etc/smrsh` dizinine `/usr/local/majordomo/wrapper` programından sembolik bağ vermiş olacağız.

```
# ln -s /usr/local/majordomo/wrapper /etc/smrsh/wrapper
```

Buna benzer birçok sorunun cevabı <http://www.greatcircle.com/majordomo/majordomo-faq.html> adresinde bulunmaktadır. Bunlar benim yaşadıklarım.

4. Yeni liste açılması

arkadas adında bir yeni liste açacağımızı düşünelim.

```
$touch /usr/local/majordomo/lists/arkadas
```

Bu komut ile eposta adreslerinin tutulacağı dosyayı oluşturuyoruz.

```
$touch /usr/local/majordomo/lists/arkadas.info
```

`arkadas.info` dosyasını oluşturuyoruz. Bu dosya içine yazdıklarınız liste için tanıtım iletisi niteliğindedir.

Majordomo kurulumunuza göre aşağıdaki satırları `/etc/mail/aliases` dosyasına ekleyip `newaliases` komutunu çalıştıralım.

```
arkadas: "|/usr/local/majordomo/wrapper resend -l arkadas arkadas-list"
arkadas-list: :include:/usr/local/majordomo/lists/arkadas
```

```
arkadas-test: can@olympus.gen.tr,  
arkadas-owner: can@olympus.gen.tr,  
owner-arkadas: can@olympus.gen.tr,  
arkadas-approval: can@olympus.gen.tr,  
arkadas-request: "|/usr/local/majordomo/wrapper majordomo -l arkadas"
```

(Aman newaliases komutunu çalıştırmayı unutmayın:)

Aşağıdaki satırı eposta iletimizin gövdesinde majordomo adresine göndererek `config` dosyamızı oluşturalım.

```
config arkadas arkadas.admin
```

Bu komut size `/usr/local/majordomo/lists/arkadas.config` adında öntanımlı bir yapılandırma dosyası oluşturacaktır.

Şimdi listenizi test edebilirsiniz. Majordomo adresine

```
subscribe can@olympus.gen.tr
```

komutunu gönderin. Üyelik için bir doğrulama satırı alacaksınız. Bu satırı tekrar aynı adrese gönderdiğinizde üyeliğiniz onaylanacaktır.

ŞİMDİ.. `arkadas.config` dosyasını değiştirmeyi göreceğiz.

Yönetici parolası nasıl değiştirilir?

`arkadas.config` dosyasının içinde

```
admin_passwd = default.arkadas
```

yazan bir satır bulacaksınız. `default.arkadas` kelimesini yeni parolanızla değiştirebilirsiniz.

lists komut çıktısında gelen tanımlamaları nasıl değiştiririm?

Majordomo'ya `lists` komutu gönderildiğinde listenin ne olduğu ilgili bir açıklama satırı görürsünüz. `description = öğrencilerin listesi` satırında "öğrencilerin listesi" dizgesini kendi listenize göre değiştirin.

İletilere nasıl dipnot ekleyebilirim?

Dosya içinde iki `END` satırı arasına yazacağınız herşey gönderilen her iletinin alt kısmına eklenir.

```
message_footer << END  
  
BENİM YENİ  
DİPNOTUM  
  
END
```



Uyarı

Bu kısımda yeralan her `--` açıklama olarak ele alınıp yoksayılacağından yazarken dikkatli olun.

Listeye üye olmayanlarda listeye mesaj atabiliyor. Bunu nasıl engellerim?

`restrict_post = arkadas` satırını yerleştirmeniz, sadece liste üyelerinin mesaj atmasını sağlar.

Her epostanın konu satırına nasıl önek yapabilirim?

`subject_prefix = konu_öneki`

Herkesin listeme üye olmasını istemiyorum, benden onay almalarını istiyorum

`subscribe_policy = closed` satırı liste yöneticisinden onay alınmasını sağlar.

5. Majorcool Kurulumu ve Ayarları

Majorcool programı listeye web tabanlı erişim sağlar. Majorcool programını <http://ncrinfo.ncr.com/pub/contrib/unix/MajorCool/majorcool.tar.gz> ya da <http://genco.marketweb.net.tr/Documents/download/majorcool.tar.gz> adreslerinden alabilirsiniz.

İlk önce majorcool programı için bir dizin yaratalım.

```
# mkdir /usr/local/majordomo/majorcool
```

Elimizdeki tar dosyasını bu dizine açalım.

```
# tar -zxvf majorcool.tar.gz -C /usr/local/majordomo/majorcool/
```

Aşağıdaki dosyaları açıp PERLBIN yazan ilk satırı perl programınızın yolu ile değiştirin.

1. /usr/local/majordomo/majorcool/majorcool.cgi
2. /usr/local/majordomo/majorcool/majorcool.pl

Aynı zamanda /usr/local/majordomo/majorcool/Configure dosyası içindeki

```
PERLBIN="/usr/local/bin/perl" # How to start a perl script
```

yazan satırda /usr/local/bin/perl'ü kendi perl yolunuzla değiştiriniz.

Majorcool dizinine geçip Configure betiğini çalıştıralım.

```
# cd /usr/local/majordomo/majorcool
# sh Configure
```

Betik çalıştıktan sonra karşınıza gelecek sorular ve cevapları aşağıda.

- 1) What is the installation directory of Majordomo?
/usr/local/majordomo
- 2) What is the path to your Majordomo configuration file?
/usr/local/majordomo/majordomo.cf
- 3) Where would you like temp files created when MajorCool runs?
/tmp
- 4) What is the root directory for your Web server?
/usr/local/apache/htdocs
Bu dizin sizin web sunucunun kök dizini olmalı
- 5) Where is the cgi-bin directory for your Web server?
/usr/local/apache/cgi-bin
Buradaki dizin adresi sizin cgi-bin dizininizin yolu olmalı
- 6) What is your server's URL for '/usr/local/apache/cgi-bin' ?
/cgi-bin
- 7) Where is the image directory for your Web server?
/usr/local/apache/icons
Apache icons dizinin yolu majorcool için yeterli olmaktadır
- 8) What is your server's URL for '/usr/local/apache/icons' ?
/icons
- 9) Where is the root directory for documents on your Web server?

/usr/local/apache/htdocs

10) What are you going to call this MajorCool CGI?
majorcool

11) *Bundan sonra sorulan header ve footer kısımlarını boş bıraktım isterseniz siz birşeyler yazabilirsiniz.*

12) Where in /usr/local/apache/htdocs should the Help file be installed?
/mc_default_help.htm

13) What scheme will the Web server be using?
http

14) Which user-id?
nobody

Yüklenen dosyalar genelde cgi-bin dizininde ve kök dizininde olduğundan dosyaların iyeliğini nobody kullanıcısına veriyorum

15) Which group-id?
nogroup

Nobody hangi gruba dahil ise bu soruya cevap olarak onu yazıyorsunuz

16) What is the name you call your site?
Majoolcool Site

majorcool html dosyasının <title> kısmında yazmasını istediğiniz satırı yazın

17) What URL should be used for the site home?
http://www.olympus.gen.tr/cgi-bin/majorcool
*Buraya kendi web sunucunuzun adresini yazıyorsunuz.
Örneğin http://sizinwebsunucu/cgi-bin/majorcool*

18) Provide end-user BROWSE access [Y]?
Her kullanıcıya bütün listeleri görebilme hakkı vermek istiyorsanız "Y" deyin.

19) Provide administrator MODIFY access [Y]?
Kendinize yönetici olarak değiştirme tuşunu etkin kılmak istiyorsanız "Y" deyin.

20) Provide list CREATE access [Y]?
Liste yaratabilmek istiyorsanız "Y" deyin.

21) Provide list RENAME access [Y]?
Yeniden adlandırabilme iznini vermek istiyorsanız "Y" deyin.

22) Provide list DELETE access [Y]?
Silme izni istiyorsanız "Y" deyin.

23) Where do you want to keep the Key Cache file?
/usr/local/majordomo/.majordomo_keys

24) Which address mapping function will you use?
simple

*Burada simple yerine karşınıza çıkan diğer seçenekleri de yazabilirsiniz.
Diğer seçeneklerde direk olarak eposta adres karşılaştırması yerine DNS/smtp doğrulaması yapabiliyor ve bir adresi birkaç adrese bağlama imkanı elde edebiliyorsunuz.*

25) Program to execute (if applicable)?

Burayı boş bırakarak default programı çalıştırıyoruz ve biraz sonra gelen RENAME, DELETE sorularında da aynı işlemi yaparal boş bırakıyoruz.

26) Require administrators to type the list name [N]?
Yöneticinin liste adı yazmasına gerek kalmasın istiyorsanız N deyin.

27) Require admin password change to be confirmed [Y]?
Yönetici parolası için doğrulama gereksin diyorsanız Y deyin.

28) Do list members see noadvertised lists [N]?
ne anlama geliyor bilemiyorum.

29) Do you trust that users are who they say [N]?
Kim olduklarını söyleyen kullanıcılara güvenmek istemiyorsanız N deyin.

30) Do you want to use instruct mode (aka paranoia mode) [N]?
*Öğretici kipi kullanmak istemiyorsanız N diyelim.
Bundan sonraki sorularda öntanımlı değerleri kullanabilirsiniz.*

31) Perform sub/unsub by having requester use e-mail [N]?

32) Allow admins to get config file (sent via e-mail) [Y]?

33) Save Majordomo comments in list config file [Y]?

34) Use 'server push' effects if supported [Y]?

35) Return to prior screen after Prefs session [N]?

36) Allow Internet 'spiders' to index this CGI [Y]?

37) Update interval?
[50]:

38) Accept the new version? [yes|no|list|edit|diff]? yes

Bundan sonra majorcool programı test edilecektir. Program `default.sh` adında bir dosya oluşturur ve girdiğiniz bilgiler kayıt edilir. Program test edilirken bir sorun yaşarsanız aynı bilgileri girmek durumunda kalmıyacaksınız.

Belgede herhangi bir hata ile karşılaşırsanız <gyilmaz (at) marketweb.net.tr> adresine yazabilirsiniz.

Saygılar

6. Yasal Açıklamalar

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Linux, Linus Torvalds adına kayıtlı bir ticarî isimdir.

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