



Mahremiyeti ve Anonimliği Koruyan Özgür Yazılım Araçları

Erdem Bayer

ebayer@bayer.gen.tr

Mustafa Akgül Özgür Yazılım Yaz Kampı 2019

Uyarılar



Motivasyon



Glenn Greenwald





Başlangıç

<https://www.privacytools.io/>



Kendim barındırabileceğim çözümler

<https://github.com/Kickball/awesome-selfhosted>



VPN-at-home

OpenVPN sunucu kurulum aracı

<https://github.com/ezaquarii/vpn-at-home>

OpenVPN ve DNS sunucu kurulumu

SSH erişimi yeterli

Sunucu ve istemci ayarları otomatik yaratılır

VPN-at-home

The screenshot shows the VPN@Home 2.0.0 web interface in a browser window. The address bar shows 'localhost:8000/#/'. The navigation menu includes Home, Settings, Admin, Vultr, and Support Us. The user is logged in as 'admin@mydomain.com'. A notification bar at the top says 'Check your SSH deployment key in Settings → SSH keys.' Below this are two tables: 'OpenVPN Servers' and 'OpenVPN Clients'. The 'OpenVPN Servers' table has columns for Name, Created, Expires, and E-Mail. It lists 'Office' and 'Home' servers. The 'OpenVPN Clients' table has columns for Name, Created, Expires, and E-Mail. It lists 'Laptop @ Office', 'Workstation @ Office', 'Phone @ Home', and 'Tiffany @ Home' clients. A context menu is open over the 'OpenVPN Clients' table, showing options: 'Download config', 'Deploy to server', and 'Delete'.

| OpenVPN Servers | Created | Expires | E-Mail | |
|-----------------|-------------------|-----------|--------------------|---|
| Office | a few seconds ago | in a year | admin@mydomain.com | ⋮ |
| Home | a few seconds ago | in a year | admin@mydomain.com | ⋮ |

| OpenVPN Clients | Created | Expires | E-Mail | |
|----------------------|-------------------|-----------|--------------------|---|
| Laptop @ Office | a few seconds ago | in a year | admin@mydomain.com | ⋮ |
| Workstation @ Office | a few seconds ago | in a year | admin@mydomain.com | ⋮ |
| Phone @ Home | a few seconds ago | in a year | admin@mydomain.com | ⋮ |
| Tiffany @ Home | a few seconds ago | in a year | admin@mydomain.com | ⋮ |

- Download config
- Deploy to server
- Delete

VPN-at-home

The screenshot shows a web browser window with the address bar displaying 'localhost:8000/#/'. The page title is 'VPN@Home 2.0.0'. The navigation menu includes 'Home', 'Settings', 'Admin', 'Vultr', and 'Support Us'. The user is logged in as 'admin@mydomain.com'. A modal window titled 'Deploy OpenVPN server' is open, displaying the following terminal output:

```
PLAY [all] *****
TASK [Find suitable Python interpreter] *****
ok: [home.mydomain.com]
TASK [Use Python interpreter "/usr/local/bin/python"] *****
ok: [home.mydomain.com]
TASK [Gather facts] *****
ok: [home.mydomain.com]
TASK [Deploy OpenVPN server] *****
TASK [openvpn : include] *****
included: /srv/vpnathome/ansible/roles/openvpn/tasks/main_OpenBSD.yml for home.mydomain.com
TASK [openvpn : Set installurl] *****
```

At the bottom right of the modal, there are two buttons: a red 'Cancel' button and a green button with a circular arrow icon, indicating a refresh or retry action.



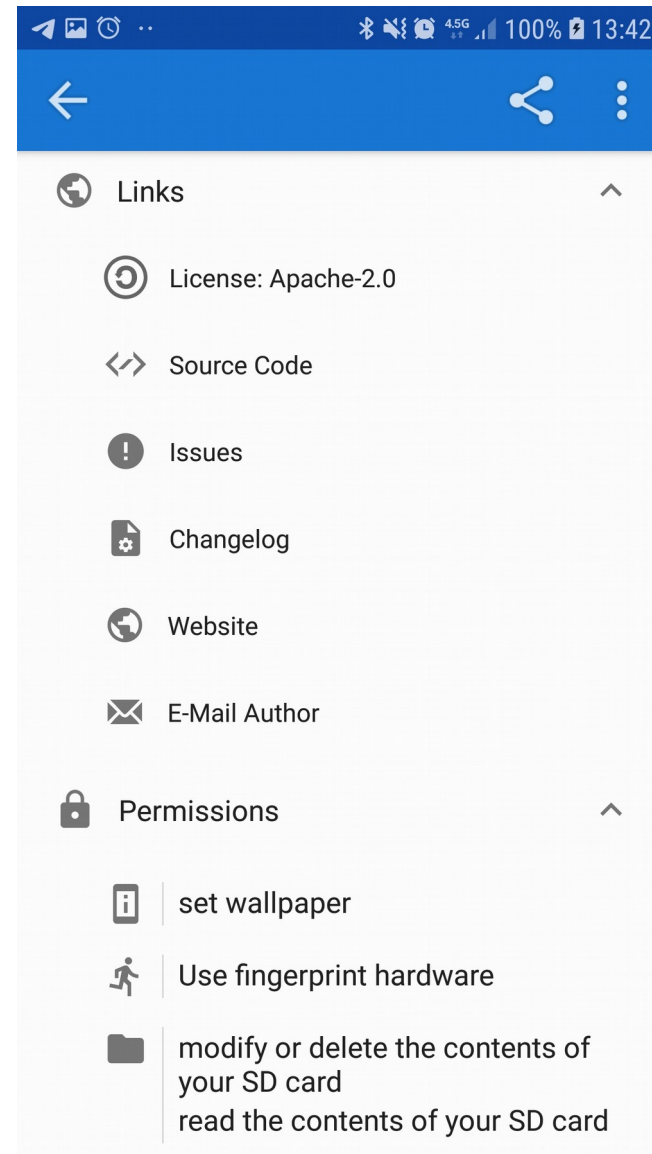
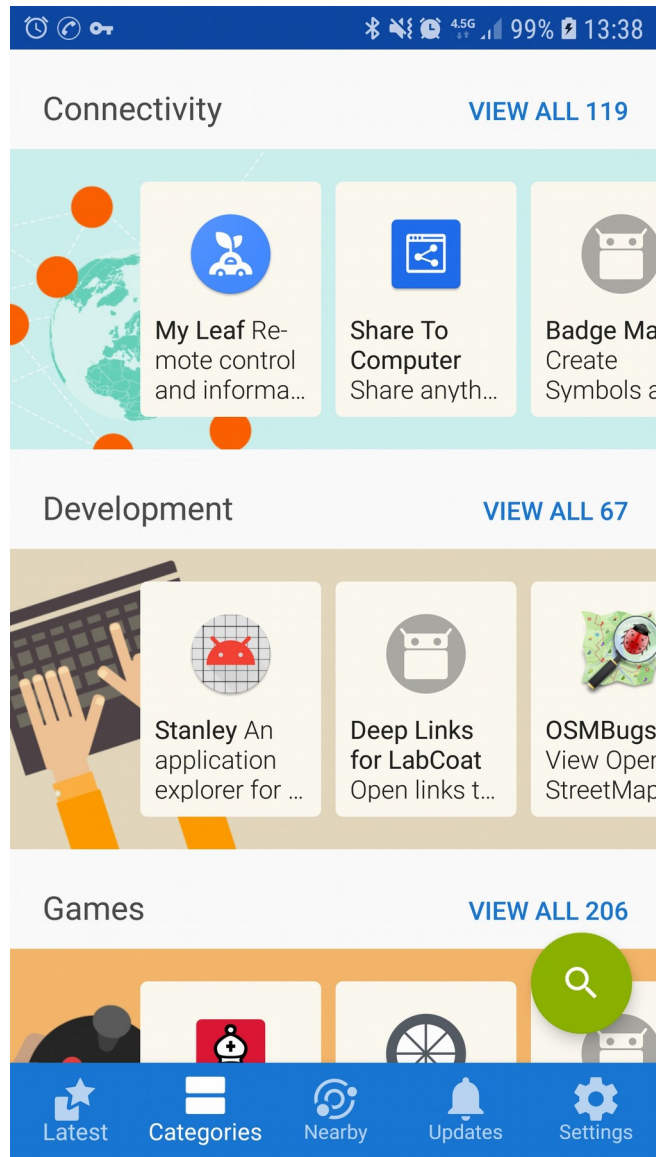
F-Droid

Android için özgür yazılım marketi

<https://f-droid.org>

Birçok özgür yazılımı Google servislerini kullanmadan kurabilir ve güncelleyebiliriz.

F-Droid



Firefox ve eklentiler

<https://www.mozilla.org/en-US/firefox/new/>

Özgür yazılım

Mobil uygulama

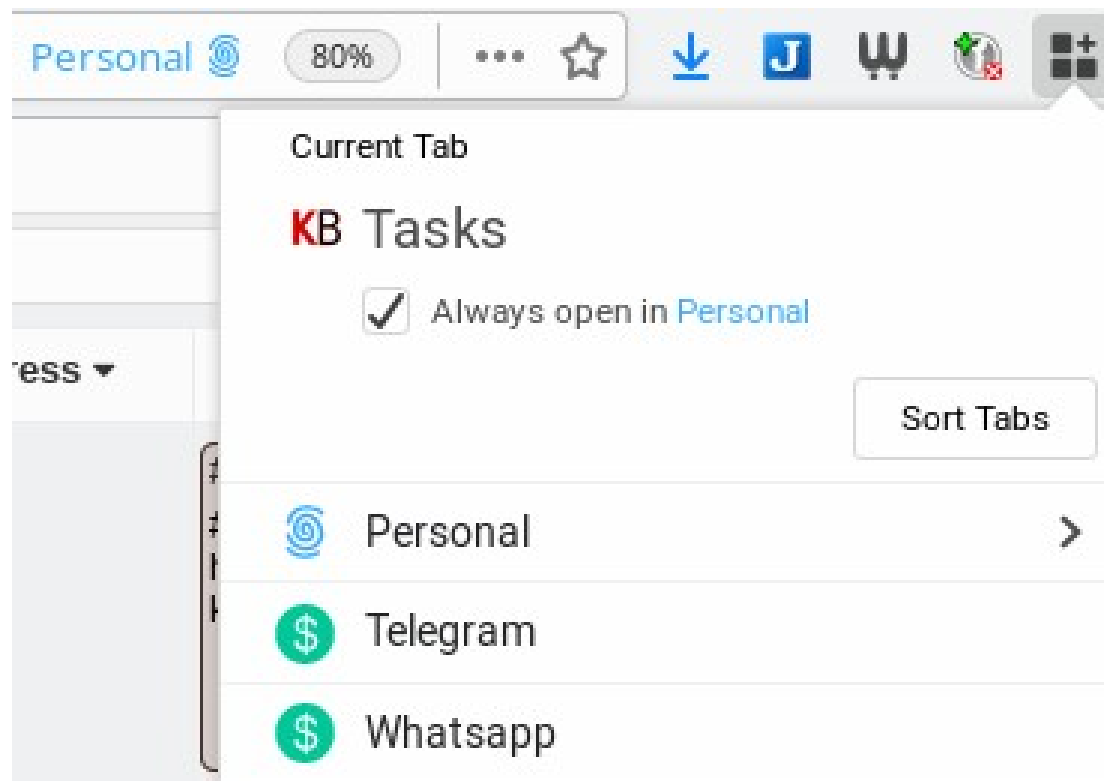
Firefox hesapları ile cihazlar arası aktarım

Mahremiyeti korumak için fazladan özelleştirebilme

Eklentiler ile daha fazla özellik

Firefox Multi-Account Containers

<https://github.com/mozilla/multi-account-containers>





Firefox temporary containers

Ziyaret edilecek sayfalar için ayrı geçici container alanları yaratır

<https://addons.mozilla.org/en-US/firefox/addon/temporary-containers/>

<https://github.com/stoically/temporary-containers>

Firefox temporary containers

General Isolation Advanced Statistics Export/Import

Automatic Mode ⓘ

Show popup when clicking the toolbar icon ⓘ

Notifications when deleting Temporary Containers

Container Name Prefix

tmp

Container Color

red

Random Container Color

Container Icon

circle

Random Container Icon

Container Number

Reuse available numbers

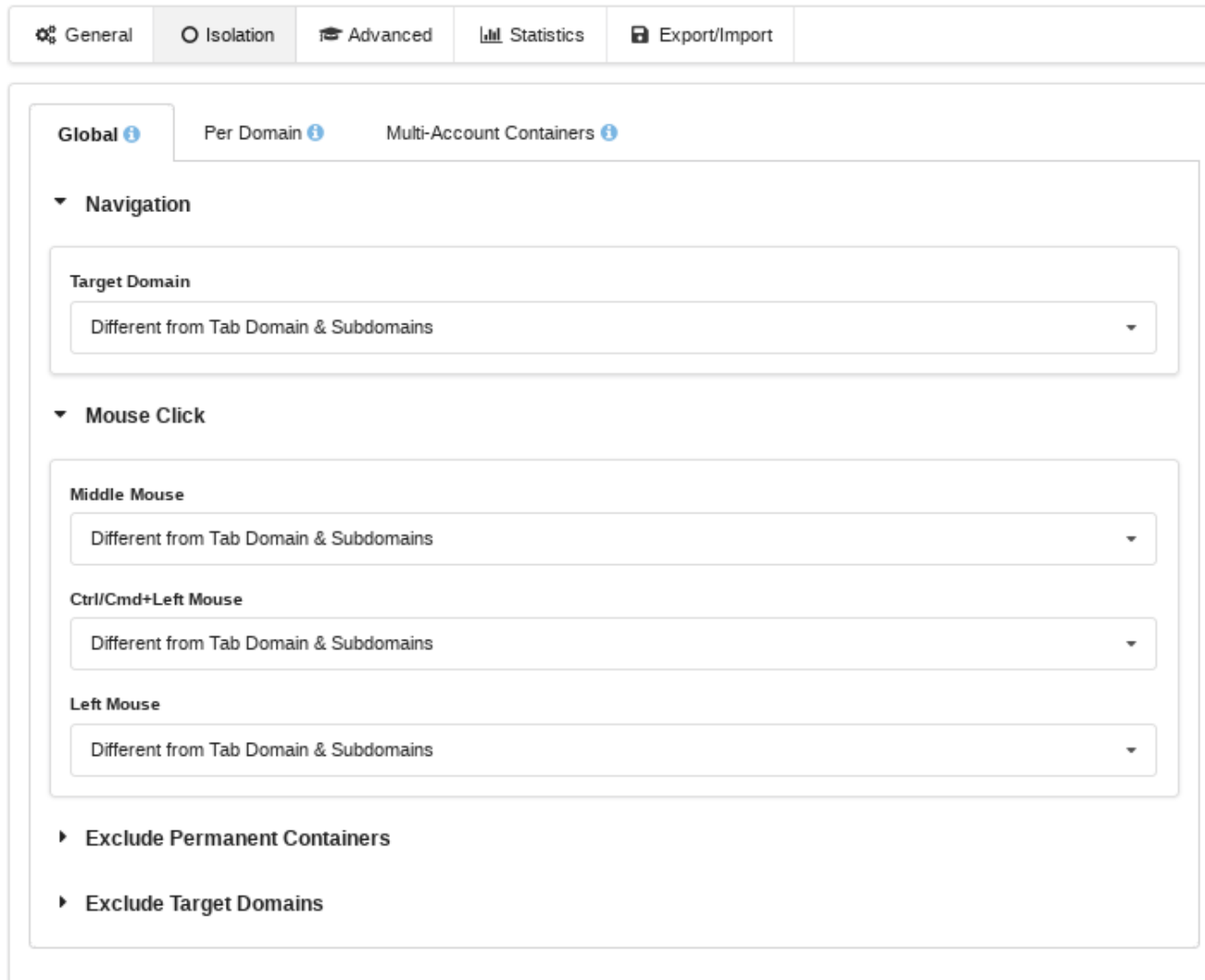
Delete no longer needed Temporary Containers

15 minutes after the last tab in it closes (default)

Toolbar Icon Color

default

Firefox temporary containers



The image shows the Firefox temporary containers settings interface. At the top, there are tabs for 'General', 'Isolation', 'Advanced', 'Statistics', and 'Export/Import'. The 'Isolation' tab is selected. Below the tabs, there are three sub-sections: 'Global', 'Per Domain', and 'Multi-Account Containers'. The 'Global' section is active and contains a 'Navigation' section with a 'Target Domain' dropdown menu set to 'Different from Tab Domain & Subdomains'. Below this is a 'Mouse Click' section with three dropdown menus: 'Middle Mouse', 'Ctrl/Cmd+Left Mouse', and 'Left Mouse', all set to 'Different from Tab Domain & Subdomains'. At the bottom of the 'Global' section, there are two expandable sections: 'Exclude Permanent Containers' and 'Exclude Target Domains'.

General Isolation Advanced Statistics Export/Import

Global Per Domain Multi-Account Containers

Navigation

Target Domain

Different from Tab Domain & Subdomains

Mouse Click

Middle Mouse

Different from Tab Domain & Subdomains

Ctrl/Cmd+Left Mouse

Different from Tab Domain & Subdomains

Left Mouse

Different from Tab Domain & Subdomains

Exclude Permanent Containers

Exclude Target Domains



Privacy badger

Otomatik izleyici engelleyici

<https://www.eff.org/privacybadger>

<https://addons.mozilla.org/en-US/firefox/addon/privacy-badger17/>

Firefox / Firefox Mobile / Chrome

Otomatik öğrenme



Ublock Origin

Genel amaçlı engelleyici

<https://addons.mozilla.org/en-US/firefox/addon/ublock-origin/>

<https://github.com/gorhill/uBlock>

Firefox / Firefox Mobile / Chrome



Cookie AutoDelete

Otomatik çerez temizleyici

<https://addons.mozilla.org/en-US/firefox/addon/cookie-autodelete/>

<https://github.com/Cookie-AutoDelete/Cookie-AutoDelete>

Firefox / Firefox Mobile / Chrome



StartPage / ixquick

<https://www.startpage.com/>

<https://www.ixquick.com/>



StartPage / ixquick

European Privacy Seal

2008, 2009, 2011, 2013 ve 2015

<https://www.european-privacy-seal.eu/EPS-en/lxquick-startpage>



DuckDuckGo

<https://duckduckgo.com/>

<https://github.com/duckduckgo>



searx

<https://asciimoo.github.io/searx/>

<https://github.com/asciimoo/searx>



searx

duckduckgo, gigablast, google (images, news, videos, scholar, google play), startpage, ixquick, yahoo, yandex, wikipedia, bing (images, news, videos),

bitbucket, flickr, gitlab, github, openstreetmap, stackoverflow, spotify, youtube, dailymotion, vimeo



searx

~100 adet halka açık kurulum

<https://github.com/asciimoo/searx/wiki/Searx-instances>



searx

Tor üzerinden kullanım olanađı

Farklı dillerde arama yapabilme

Kullanılan arama motorunun yerel sürümünü kullanabilme (türkçe için [google.com.tr](https://www.google.com.tr) veya tr.wikipedia.org kullanabilir)



searx

kendimiz barındırabiliriz

Harici arama motorlarını kullanabilmek için adaptör desteği (searx/engines)

Bilgi sızmasını engellemek için içerik filtresi

<https://github.com/asciimoo/morty>

searx

searx about preferences

özgür yazılım

Anytime

General Files Images It Map Music News Science Social Media Videos

W **Özgür yazılım**
Özgür yazılım (İngilizcesi free software), kullanıcısına çalıştırma, kopyalama, dağıtma, inceleme, değiştirme ve geliştirme özgürlükleri tanıyan yazılım türüdür.
https://tr.wikipedia.org/wiki/%C3%96zg%C3%BCr_yaz%C4%B1%C4%B1m google wikipedia cached ↑proxied

Özgür Yazılım A.Ş. – Şeffaf Teknoloji, Özel Çözümler
Web temelli bir sistem olan Redmine, başta bilgisayar **yazılımı** projeleri olmak üzere farklı sektörlerde onbinlerce projenin geliştirme altyapısının önemli bir ...
<https://ozguryazilim.com.tr/> google cached ↑proxied

Özgür Yazılım Tanımı - GNU Projesi - Özgür Yazılım Vakfı - Gnu.org
Bu **özgür yazılım** tanımını, belirli bir yazılımın, **özgür yazılım** olarak sayılmasının koşullarını açıkça göstermek için yapıyoruz. Arada sırada açıklık getirmek ...
<https://www.gnu.org/philosophy/free-sw.tr.html> google cached ↑proxied

Özgür Yazılım A.Ş. (@ozguryazilimas) | Twitter
The latest Tweets from **Özgür Yazılım A.Ş. (@ozguryazilimas)**. Şirketinizin özgür veya açık kaynak kodlu yazılımlarla ilgili ihtiyaçlarının profesyonel ve tecrübeli ...
<https://twitter.com/ozguryazilimas> google cached ↑proxied

Özgür Yazılım ve Linux Günleri
Bilimler Linux Kullanıcıları Derneği tarafından yılda bir kez düzenlenir. Türkiye'de

Özgür yazılım
Özgür yazılım (İngilizcesi free software), kullanıcısına çalıştırma, kopyalama, dağıtma, inceleme, değiştirme ve geliştirme özgürlükleri tanıyan yazılım türüdür. Ters, sahipli yazılımdır (İngilizcesi proprietary software).

Wikipedia

Linux ve Özgür Yazılım Şenliği
Tanım bulunamadı



Alternatifler

YaCy

gigablast

seeks



NewPipe

Android için Youtube önyüzü

<https://github.com/TeamNewPipe/NewPipe/>

Google servislerini ve Youtube API kullanmaz

Video arama

Yorumları ve benzer videoları gösterme

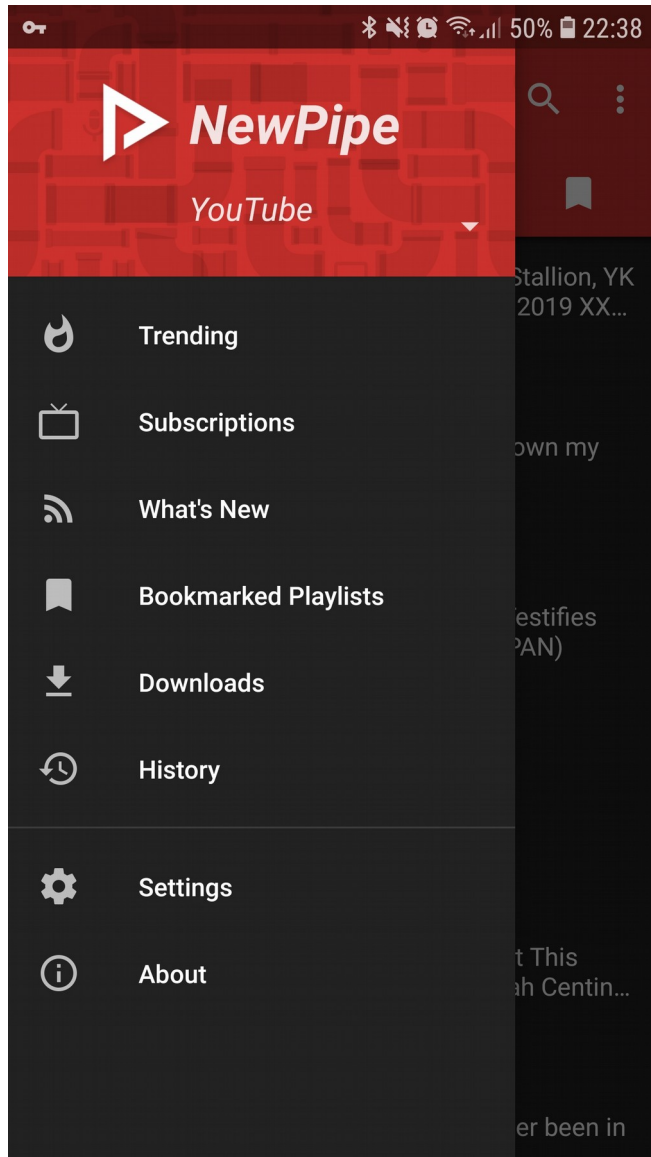
yerel arama ve izleme geçmişi



NewPipe

Popup ve arkaplanda çalışma
videoyu harici oynatıcıda açabilme
video ve ses dosyası olarak indirme
kanal arama, gösterme, abone olma
oynatma listeleri
birden fazla servisi kullanabilme

NewPipe





NewPipe

alternatifler

<https://github.com/ram-on/SkyTube>



Freetube

Masaüstü youtube istemcisi

<https://freetubeapp.io/>

<https://github.com/FreeTubeApp/FreeTube>

Windows / Mac / Linux

Firefox ve Chrome için eklenti

Freetube

The screenshot displays the Freetube Player interface. At the top, there is a search bar labeled "Search / Go to URL" and the "FreeTube" logo. A left sidebar contains navigation options: Subscriptions, Trending, Most Popular, Favorites, History, Settings, and About. The main content area is titled "Video History" and shows a grid of video thumbnails. Each thumbnail includes a "WATCHED" overlay and a refresh icon. The visible video titles and their details are:

- Pavarotti and Domingo** (52:40) by YaleCourses, 35,949 views - Dec 8th, 2012
- Lecture 10. Sonata: Allegro and** (52:55) by YaleCourses, 53,183 views - Dec 8th, 2012
- Lecture 9. Sonata: Allegro Form** (49:20) by YaleCourses, 105,365 views - Dec 8th, 2012

Other thumbnails include an airplane and a lecture with a chalkboard.



Freetube

alternatifler

<https://github.com/flaviotordini/minitube>



Invidious

Youtube önyüzü

<https://github.com/omarroth/invidious>

<https://invidio.us>

[https://addons.mozilla.org/en-US/firefox/addon/
alternate-tube-redirector/](https://addons.mozilla.org/en-US/firefox/addon/alternate-tube-redirector/)

Youtube linklerini invidio.us üzerinde açabilme



Wallabag

Sonradan okuma (Read-it-later) uygulaması

<https://www.wallabag.it>

<https://github.com/wallabag>

Servis olarak kullanabiliriz / kendimiz barındırabiliriz

Android / IOS / Firefox / Chrome

Pocket / Instapaper / Readability otomatik göç

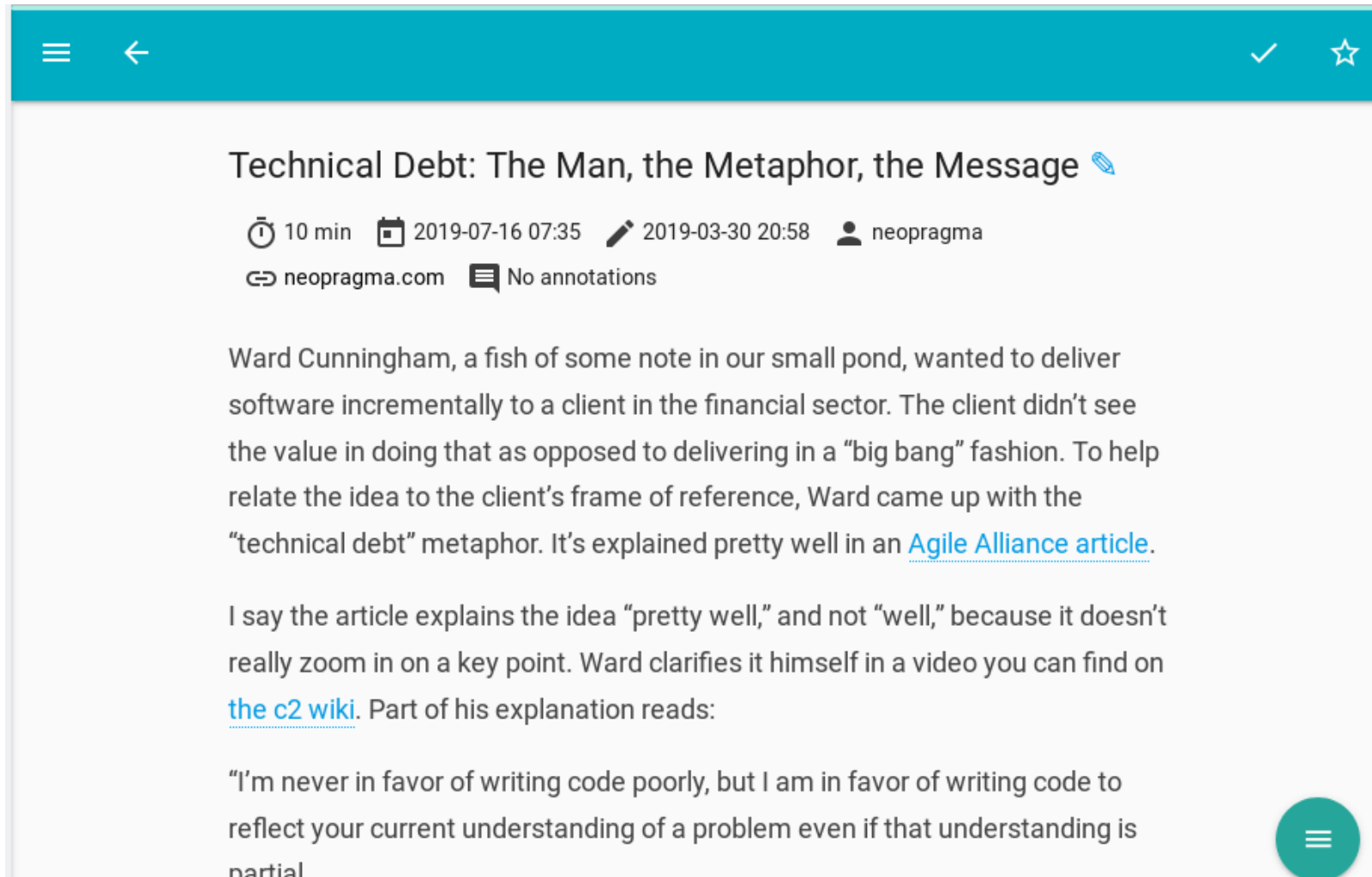
Wallabag

The screenshot displays a list of saved articles in the Wallabag application. Each article entry includes a thumbnail image, the article title, the source website, and an estimated reading time. The first article is 'How Spotify Saved the Music Industry (But Not Necessarily Musicians) (Ep. 374) -...' from freakonomics.com, with a 48-minute reading time. The second is 'A Mess is not a Technical Debt. - Clean Coder' from sites.google.com, with a 28-minute reading time. The third is 'A Deep Dive into Iptables and Netfilter Architecture' from digitalocean.com, with a 13-minute reading time. The fourth is 'Persistent Queues | Logstash Reference [7.2]' from elastic.co, with a 7-minute reading time and additional icons for checkmark, star, and trash. The fifth is 'Is there a way to disable a laptop's internal keyboard?' from askubuntu.com, with a reading time of less than 1 minute. The sixth is 'The Zombie Survival Guide' from en.wikipedia.org, with a 4-minute reading time. The seventh is 'Technical Debt: The Man, the Metaphor, the Message' from neopragma.com, with a 10-minute reading time. The eighth is 'Monitoring 101: Investigating performance issues' from datadoghq.com, with a 5-minute reading time. At the bottom, there is a pagination bar with the number '1' highlighted in a red box, followed by '2', '3', an ellipsis, '11', and 'Next →'.

| Thumbnail | Title | Source | Reading Time | Actions |
|-----------|---|------------------|--------------|---------|
| | How Spotify Saved the Music Industry (But Not Necessarily Musicians) (Ep. 374) -... | freakonomics.com | 48 min | |
| | A Mess is not a Technical Debt. - Clean Coder | sites.google.com | 28 min | |
| | A Deep Dive into Iptables and Netfilter Architecture | digitalocean.com | 13 min | |
| | Persistent Queues Logstash Reference [7.2] | elastic.co | 7 min | ✓ ☆ 🗑️ |
| | Is there a way to disable a laptop's internal keyboard? | askubuntu.com | < 1 min | |
| | The Zombie Survival Guide | en.wikipedia.org | 4 min | |
| | Technical Debt: The Man, the Metaphor, the Message | neopragma.com | 10 min | |
| | Monitoring 101: Investigating performance issues | datadoghq.com | 5 min | |

1 2 3 ... 11 Next →

Wallabag



The screenshot shows a mobile interface for a Wallabag article. At the top is a teal header bar with a hamburger menu icon on the left, a back arrow, a checkmark, and a star icon on the right. Below the header, the article title "Technical Debt: The Man, the Metaphor, the Message" is displayed with a blue pin icon. Underneath the title, there is a row of metadata: a clock icon for "10 min", a calendar icon for "2019-07-16 07:35", a pencil icon for "2019-03-30 20:58", and a person icon for "neopragma". Below this is a link icon for "neopragma.com" and a speech bubble icon for "No annotations". The main text of the article begins with "Ward Cunningham, a fish of some note in our small pond, wanted to deliver software incrementally to a client in the financial sector. The client didn't see the value in doing that as opposed to delivering in a 'big bang' fashion. To help relate the idea to the client's frame of reference, Ward came up with the 'technical debt' metaphor. It's explained pretty well in an [Agile Alliance article](#)." The text continues with "I say the article explains the idea 'pretty well,' and not 'well,' because it doesn't really zoom in on a key point. Ward clarifies it himself in a video you can find on [the c2 wiki](#). Part of his explanation reads:" followed by a quote: "I'm never in favor of writing code poorly, but I am in favor of writing code to reflect your current understanding of a problem even if that understanding is partial". A circular teal button with a hamburger menu icon is located in the bottom right corner of the article content area.

Technical Debt: The Man, the Metaphor, the Message

10 min 2019-07-16 07:35 2019-03-30 20:58 neopragma

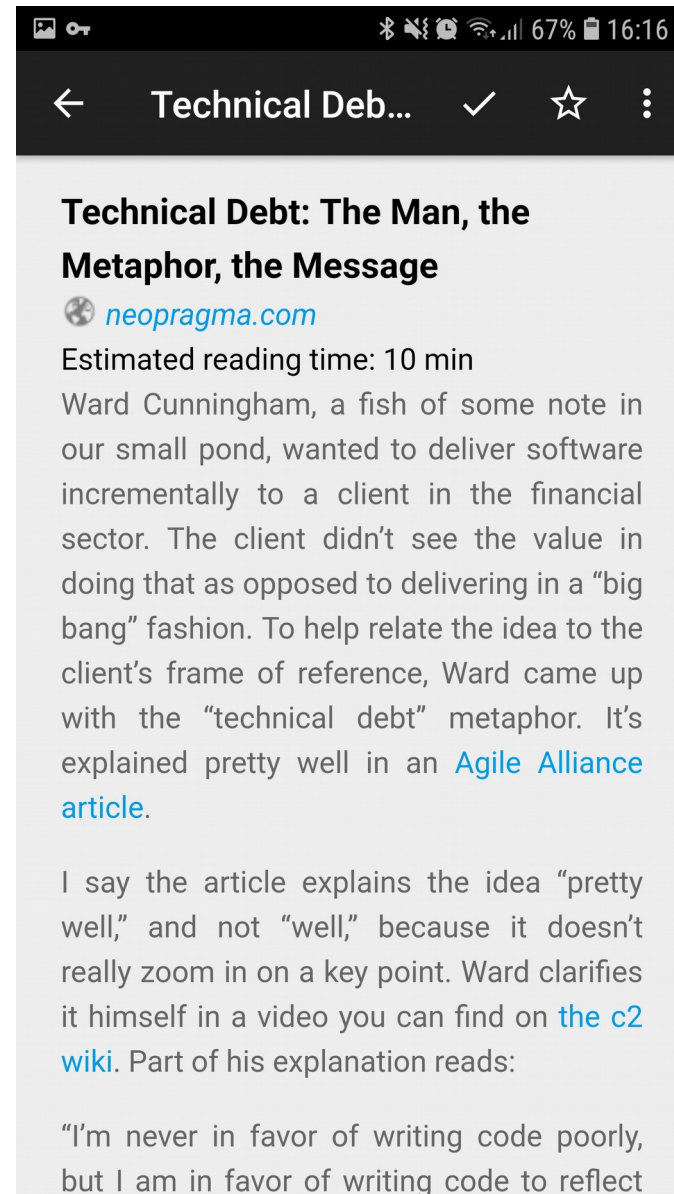
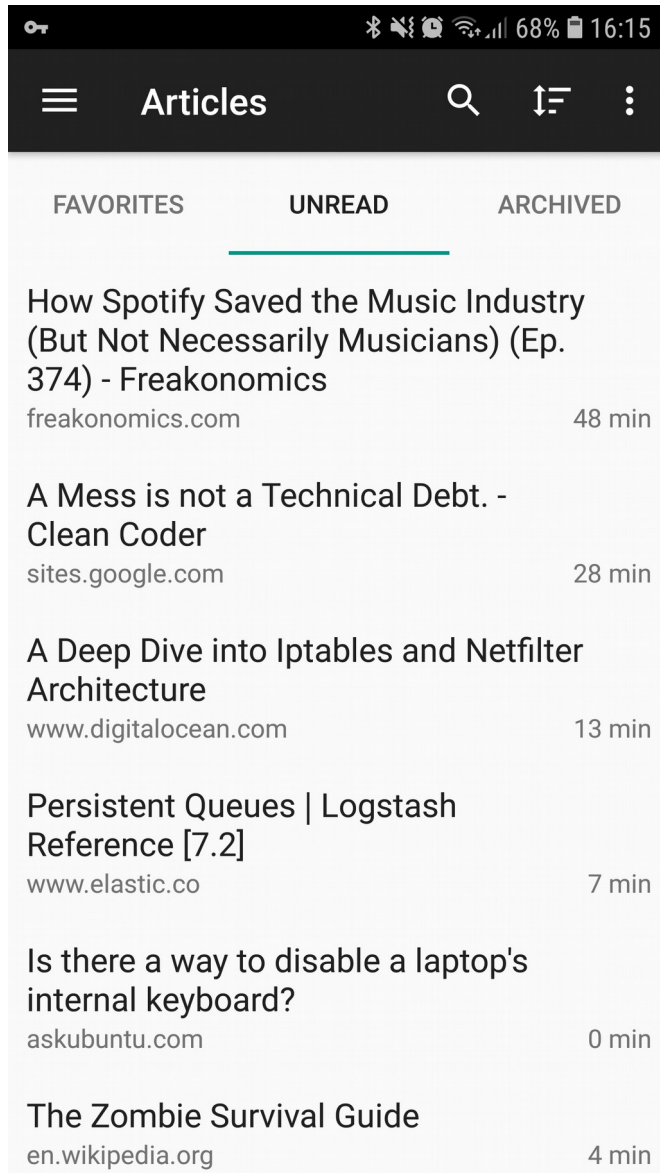
neopragma.com No annotations

Ward Cunningham, a fish of some note in our small pond, wanted to deliver software incrementally to a client in the financial sector. The client didn't see the value in doing that as opposed to delivering in a "big bang" fashion. To help relate the idea to the client's frame of reference, Ward came up with the "technical debt" metaphor. It's explained pretty well in an [Agile Alliance article](#).

I say the article explains the idea "pretty well," and not "well," because it doesn't really zoom in on a key point. Ward clarifies it himself in a video you can find on [the c2 wiki](#). Part of his explanation reads:

"I'm never in favor of writing code poorly, but I am in favor of writing code to reflect your current understanding of a problem even if that understanding is partial

Wallabag





KeepassXC

Parola deposu

<https://github.com/keepassxreboot/keepassxc>

<https://keepassxc.org/>

Linux / Windows / Mac



KeepassXC

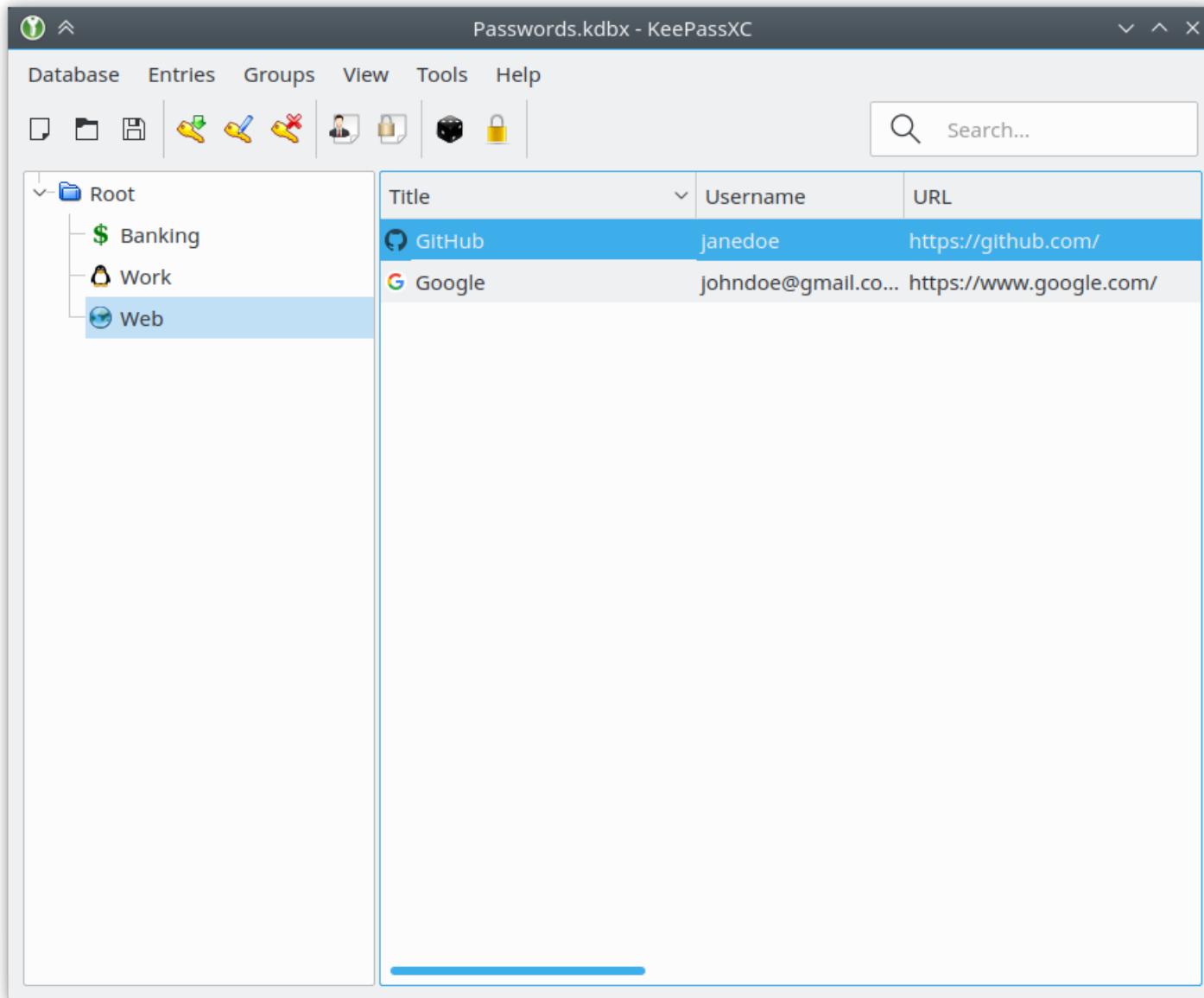
Rastgele parola yaratma

SSH-Agent ile SSH anahtarı yönetimi

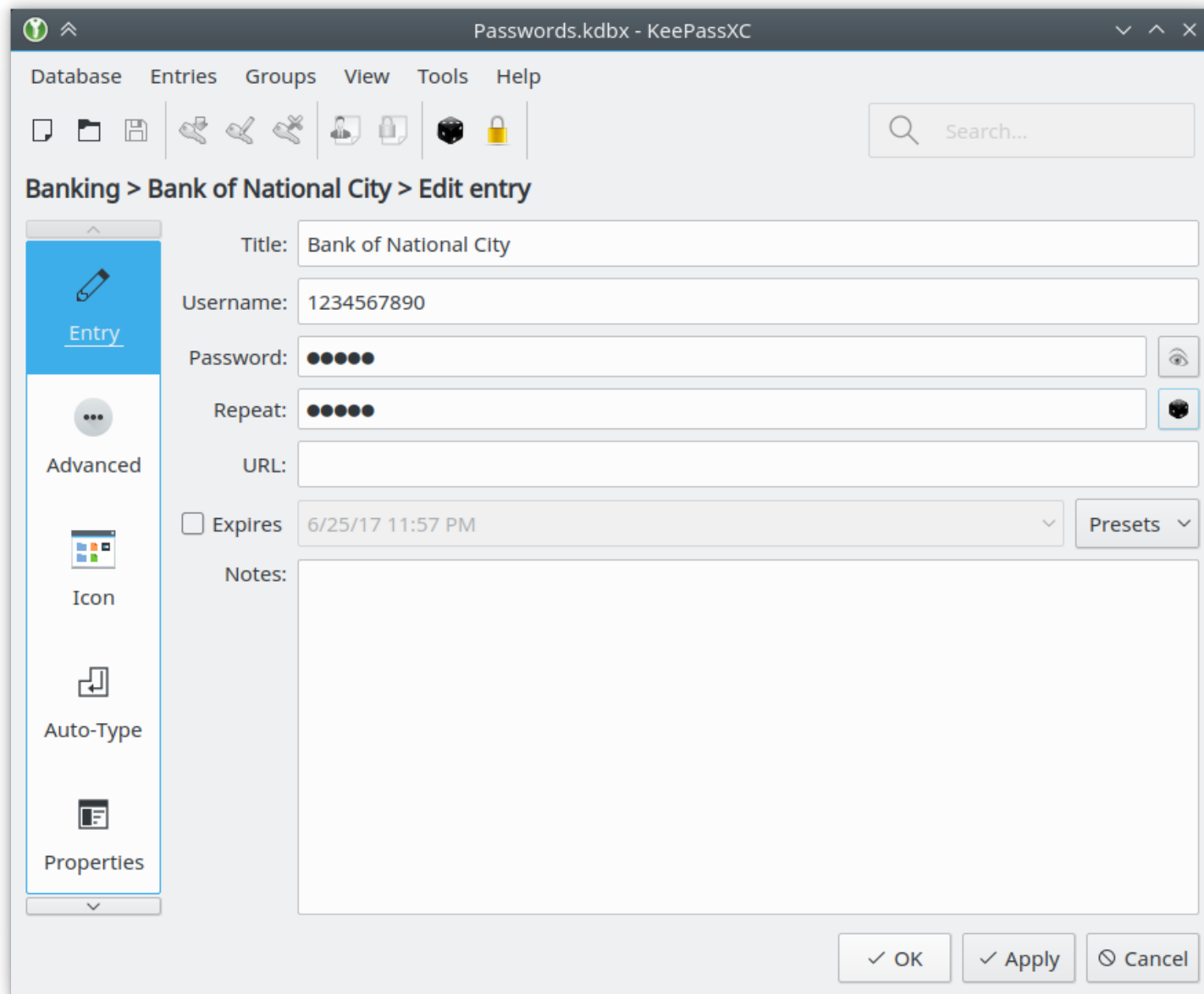
Clipboard desteği

Firefox / Chrome / Opera / Vivaldi / Brave eklentisi

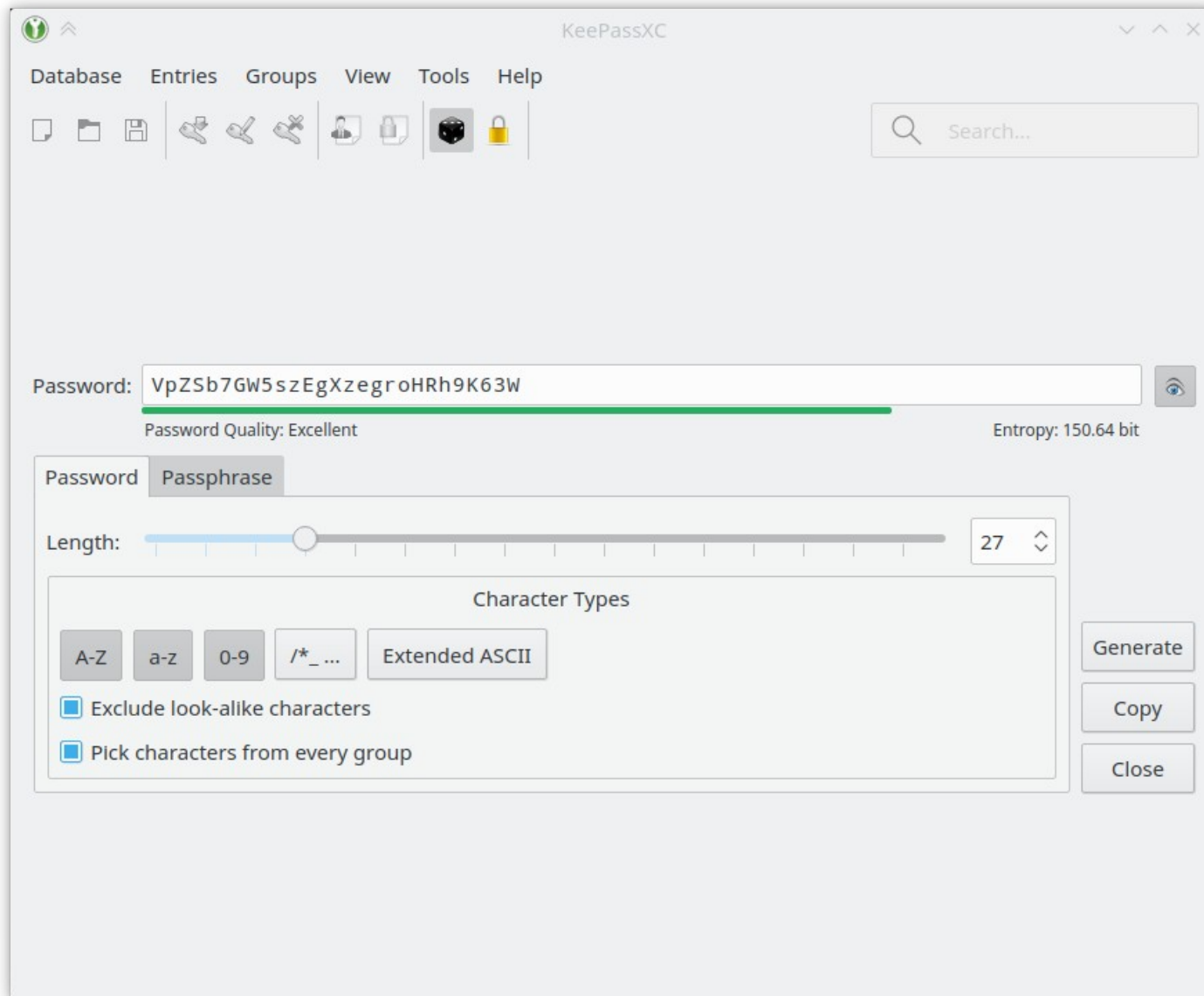
KeePassXC



KeePassXC



KeePassXC





Keepass2Android

Android için parola yöneticisi

<https://github.com/PhilippC/keepass2android>

Keepass 1 & 2 ile uyumlu

Çevrimdışı çalışabilme

Android uygulamaları ve tarayıcılar ile çalışabilir



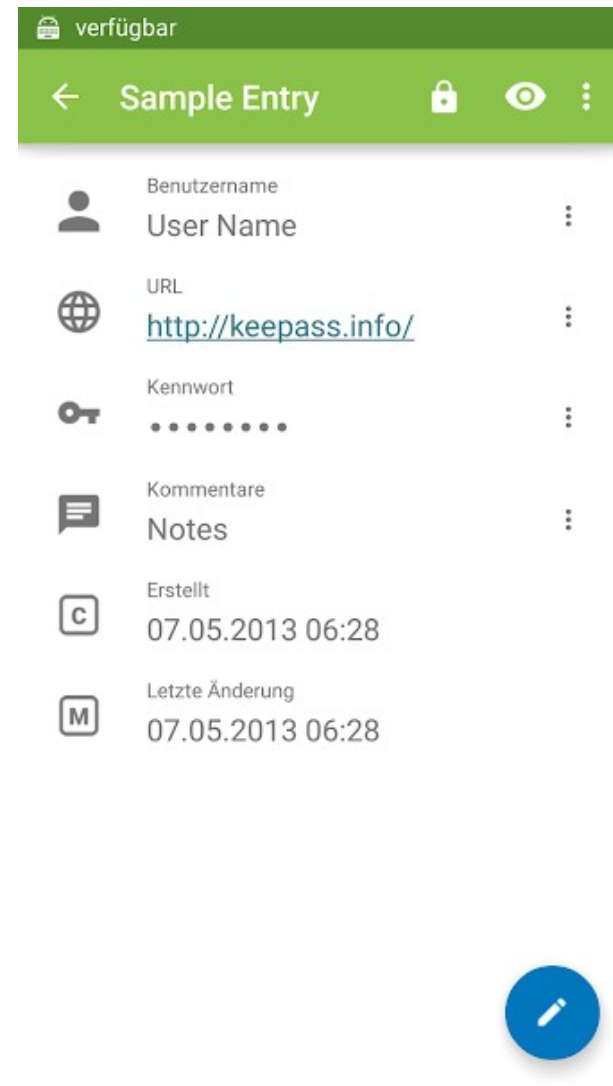
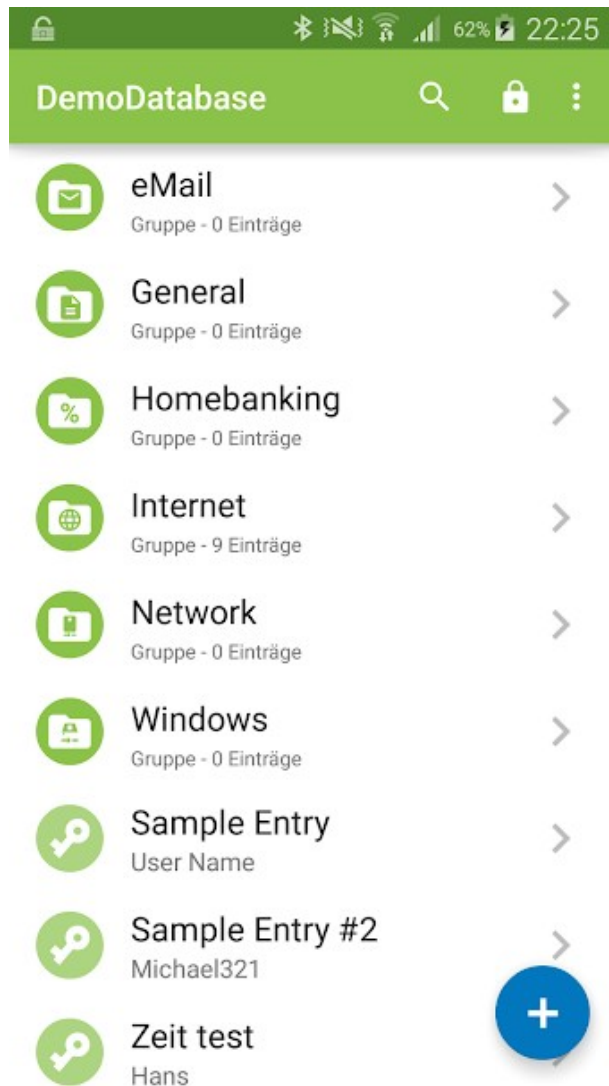
Keepass2Android

Arama

Dahili klavye

Hızlı kilit açma

Keepass2Android



Keepass2Android

Eintrag bearbeiten

Name
Sample Entry

Benutzername
User Name

password
.....

Webadresse
http://keepass.info/

Notiz
Notes

+ ZUSÄTZLICHES FELD HINZUFÜGEN

+ DATEIANHANG HINZUFÜGEN...

tag1, tag2

Keepass2Android

GTYSrHBSnqkO

KENNWORT ERZEUGEN

Länge
12 6 8 12 16

Großbuchstaben

Kleinbuchstaben

Ziffern

Bindestrich

Unterstrichen

Leerzeichen

Spezialsymbole

Klammern

✕ ABBRECHEN ✓ AKZEPTIEREN



Parola

Alternatifer

<https://masterpassword.app>

<https://gitlab.com/MasterPassword>

<https://lesspass.com>

<https://github.com/lesspass/lesspass>



Nextcloud

Dosya deposu

<https://nextcloud.com/>

<https://github.com/nextcloud/>

Masaüstü uygulamaları

Android ve IOS uygulaması



Nextcloud

Otomatik gönderme ve eşleştirme

Harici kaynak tanımlayabilme (FTP, NFS, S3, vs)

Dosya paylaşımı

Erişim kontrolü

Birden fazla kullanıcı desteği



Nextcloud

Arama

Dosya geçmişi ve çöp kutusu

Resim ve video dosyaları için önizleme

Eklentiler ile fazladan özellikler (takvim, adres defteri, metin ve ofis editörü, video ve ses ile telekonferans, vs)



Nextcloud

Alternatifier

Owncloud

Syncting

Seafiler



Joplin

Not alma uygulaması

<https://joplinapp.org/>

Markdown format

Evernote göç desteği

Linux / Windows / Mac / Android / IOS uygulamaları

Resim ve diğer dosyaları ekleyebilme



Joplin

Etiket desteği

Arama

Bulut servisleri ile cihazlar arası aktarım

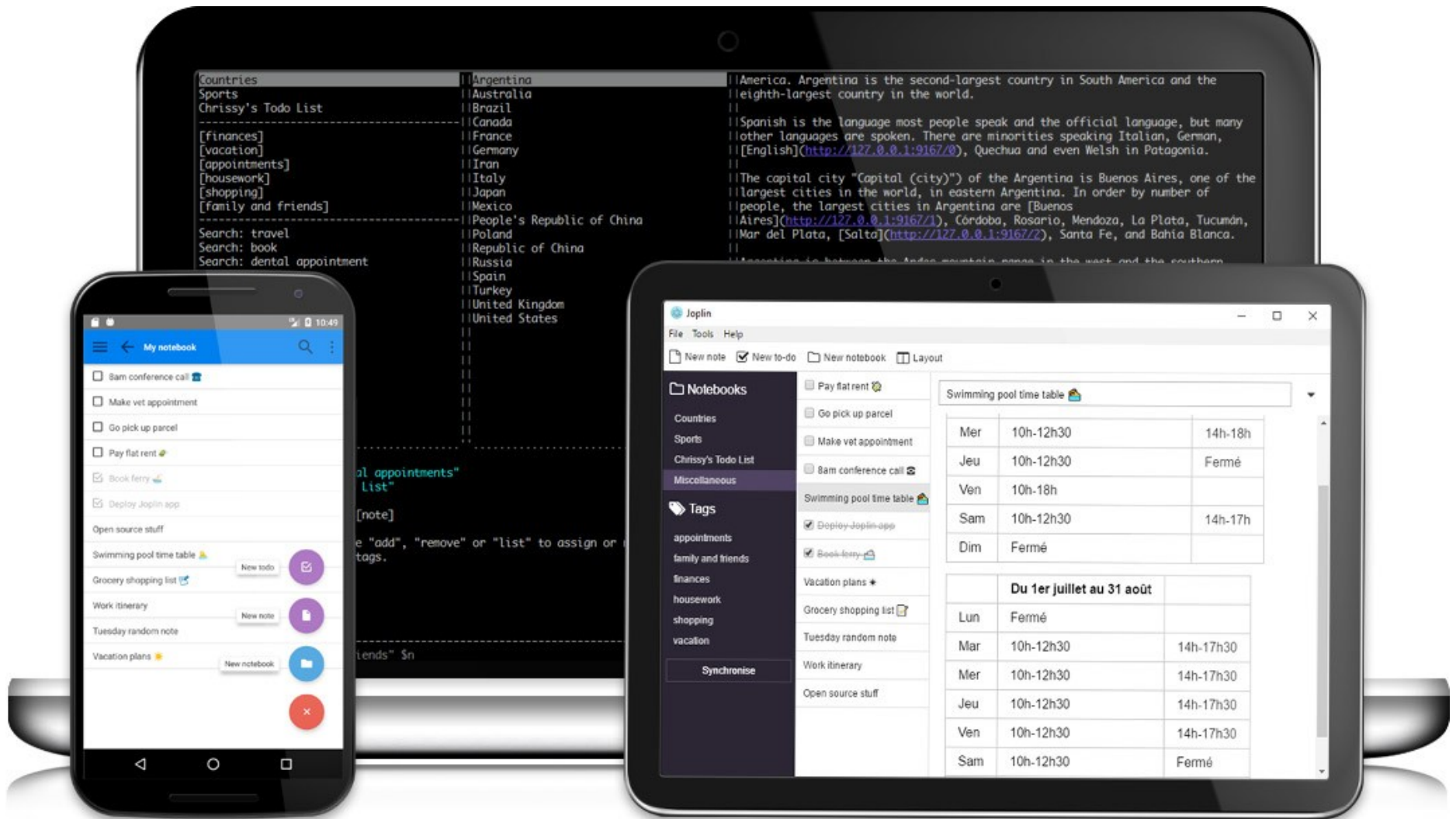
Metadata bilgileri (örn: URL, zaman, konum)

Firefox ve Chrome için web clipper

Uçtan uca şifreleme

Not geçmişini saklayabilme

Joplin





Signal

<https://signal.org/>

Linux / Windows / Mac / Android / IOS

Grup mesajlaşma

Sesli ve görüntülü görüşme

Uçtan uca şifreleme

Yazışmalarda zaman sınırı

Karşılıklı doğrulama



Osmand+

<https://osmand.net/>

Android / IOS

Offline harita desteđi (OpenStreetMap)

Sesli yönlendirme

Otomatik yeniden rota hesaplama

POI, adres ve koordinat arama



Osmand+

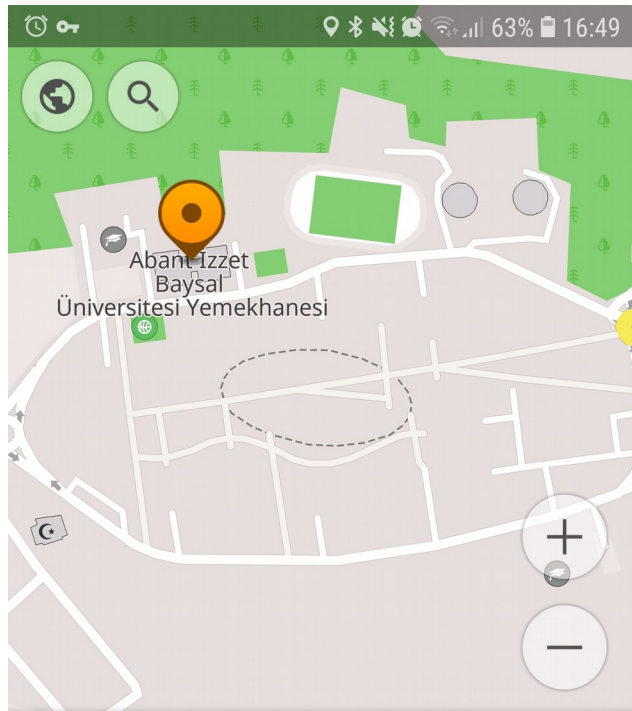
Seyahat kaydetme (gpx)

Harita üzerine harita bindirme (overlay)

OpenStreetMap değişiklikleri kaydetme

Parkyeri kaydetme (hatırlatıcı desteği)

Osmand+



Building Abant İzzet Baysal
Üniversitesi Yemekhanesi

History

▶ 188 km



Add



Marker



Share



Actions

DETAILS

DIRECTIONS



From:
Hospital AİBÜ İzzet Baysal Eğ...

To:
Building Abant İzzet Baysal Ü...



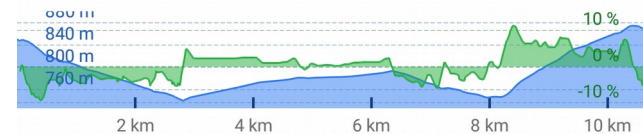
On

Options



10.7 km
Distance

11 min
Arrive at 16:57



Details

Dismiss



Start



OpenStreetMap

<https://www.openstreetmap.org/about>

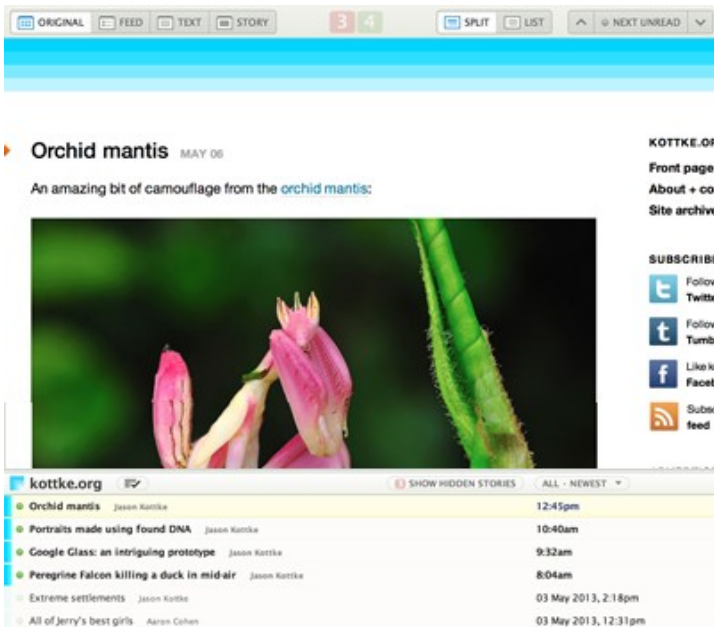
Özgür veri

Topluluk tarafından geliştiriliyor

Openstreetmap Türkiye

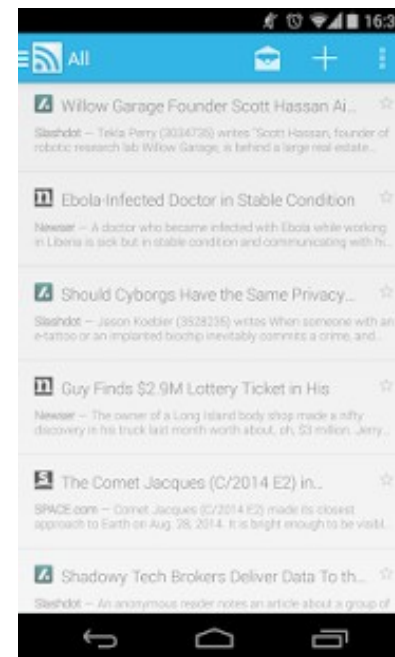
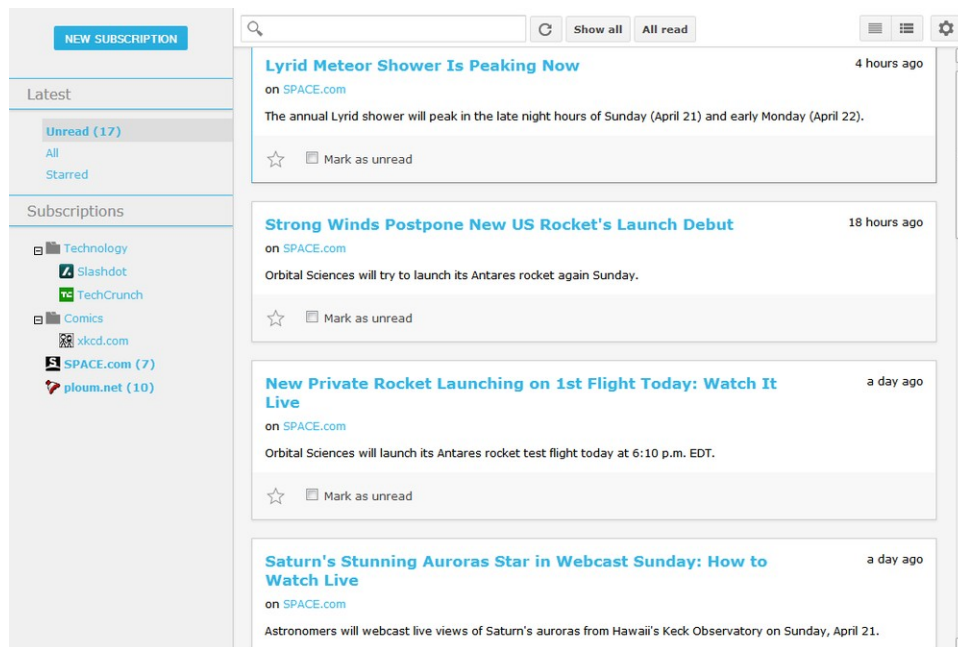
RSS

<https://github.com/samuelclay/NewsBlur>



RSS

<https://github.com/sismics/reader>



RSS

<https://github.com/SSilence/selfoss>

