

# WHAT'S NEW?

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LOS ANGELES  
NOVEMBER, 2019

# 16" MACBOOK PRO

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- Fully Customized \$6099  
i9, Radeon 5500M, 8TB SSD, 64GB RAM
- Thicker?!?
- Hopefully improved switches in the keyboard
- iFixit repairability score: 1/10
- <https://www.ifixit.com/Teardown/MacBook+Pro+16-Inch+2019+Teardown>





# AIRPODS PRO

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- <https://www.anandtech.com/show/15037/apple-unveils-airpods-pro-a-new-design-with-active-noise-cancellation>
- Transparency mode

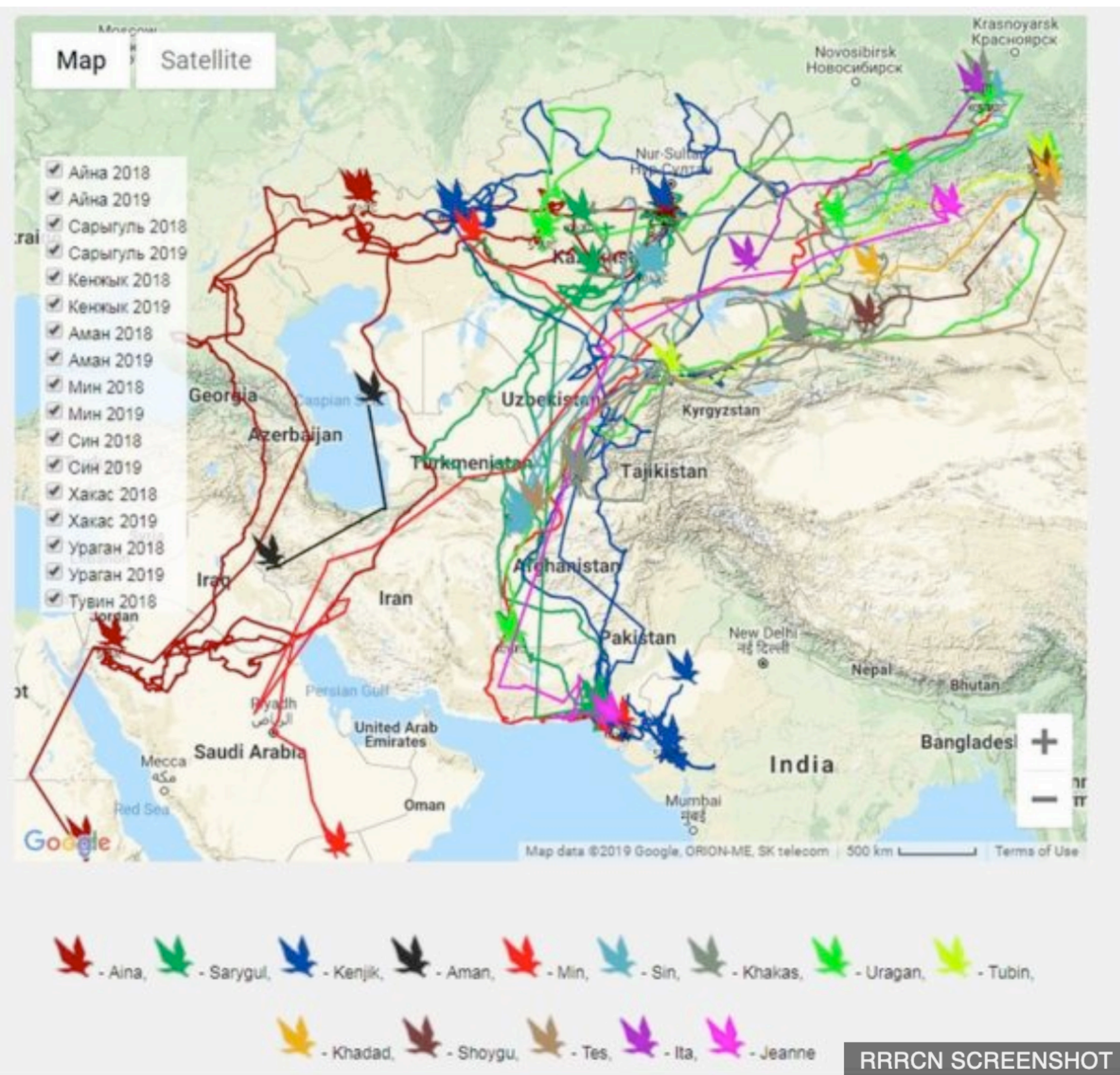
**MAC PRO**  
**AVAILABLE NEXT MONTH**

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Equifax employed the username ‘admin’ and the password ‘admin’ to protect a portal used to manage credit disputes, a password that ‘is a surefire way to get hacked

<https://finance.yahoo.com/news/equifax-password-username-admin-lawsuit-201118316.html>





- <https://www.bbc.com/news/world-europe-50180781>
- <https://www.nytimes.com/2019/10/26/world/europe/eagles-data-roaming-charges.html>
- <https://arstechnica.com/tech-policy/2019/10/eagles-fly-to-iran-rack-up-huge-roaming-charges/>

The eagles' winter migration routes from Central Asia (RRRCN website)





## AUDIO ASSISTANTS ATTACKED BY LASERS!

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- <https://lightcommands.com/>
- <https://arstechnica.com/information-technology/2019/11/researchers-hack-siri-alexa-and-google-home-by-shining-lasers-at-them/>
- Alexa, Siri, and Google Assistant effected.



# MORE VULNERABILITIES, HACKS, BREACHES, ETC...

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- <http://tpm.fail/>
- <https://www.thesun.co.uk/tech/10127908/samsung-galaxy-s10-screen-protector-ebay/>
- <https://www.cyberscoop.com/spower-power-grid-cyberattack-foia/>
- <https://checkra.in> (checkm8)
- <https://www.fireeye.com/blog/threat-research/2019/10/messagetap-who-is-reading-your-text-messages.html>
- <https://arstechnica.com/information-technology/2019/11/scammers-are-exploiting-an-unpatched-firefox-bug-to-send-users-into-a-panic/>
- <https://developers.facebook.com/blog/post/2019/11/05/changes-groups-api-access/>





# FIRMWARE PASSWORD MANAGER

# FIRMWARE PASSWORD MANAGER 2.5

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- Ease of use
- Configuration file versus CLI flags
- Much improved JAMF integration



# SINGLE FILE EXECUTABLE

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- Pyinstaller combines:
  - Python executable
  - Standard library
  - Extra libraries (Pexpect, Requests)
- 6.7 MB

# JAMF INTEGRATION

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- Policy to run FWPM executable installer
- Extension Attribute to track hashes
- Smart group for computers without new hashes
- Controller script



```

KEYFILE = {
    previous: ['currentfwpd', 'anotherone'],
    new: 'newfwpd'
}

FWPM_CONFIG = {
    flags: {
        use_fwpw: True,
        management_string_type: 'hash',
        custom_string: '',
        use_reboot_on_exit: False,
        path_to_fw_tool: '',
        use_test_mode: False
    },

    keyfile: {
        path: '/tmp/current_fwpw.txt',
        use_obfuscation: True
    },

    logging: {
        use_logging: True,
        log_path: '/tmp/fwpm_controller.log'
    },

    slack: {
        use_slack: True,
        slack_identifier: 'hostname',

        slack_info_url: 'https://hooks.slack.com/services/xxx/xxx/xxx',
        slack_error_url: 'https://hooks.slack.com/services/xxx/xxx/xxx'
    }
}

```

# FWPM CONTROLLER SCRIPT

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- Add previous and new passwords
- Set site specific info
  - file locations
  - logging
  - slack
  - reboot

```
KEYFILE = {  
    previous: ['currentfwpd', 'anotherone'],  
    new: 'newfwpd'  
}
```



```
FWPM_CONFIG = {
    flags: {
        use_fwpm: True,
        management_string_type: 'hash',
        custom_string: '',
        use_reboot_on_exit: False,
        path_to_fw_tool: '',
        use_test_mode: False
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    slack: {
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        slack_identifier: 'hostname',

        slack_info_url: 'https://hooks.slack.com/services/xxx/xxx/xxx',
        slack_error_url: 'https://hooks.slack.com/services/xxx/xxx/xxx'
    }
}
```

**IN TESTING NOW,  
GITHUB VERY SOON**

**COMMENTS,  
QUESTIONS?**

