Apple Worldwide Developers Conference 2024

June 10 through June 14, 2024

Major Apple Future Software Announcements

Presented by George Wilde

Apple's Upcoming Software Releases

macOS 15 Sequoia

iOS 18

WatchOS 11

iPadOS 18

Also Software Updates to AirPods, Vision Pro, Apple TV, HomePod, and CarPlay

Major New Software Features

Major Apple Software Trends

- Better Software Parity on All Platforms

  - In past years iPhones got new features first, followed by iPads in later years, and perhaps eventually Macs

  - With the updates coming this year most new features will appear on all platforms

- AI (which Apple calls Apple Intelligence) is pervasive on all platforms

  - Not really a new thing for Apple since Apple Silicon chips have for years had a Neural Engine that facilitates machine learning

  - Apple has used machine learning for years in Apps like Photos

  - What is new this year is the incorporation of Generative Artificial Intelligence models with machine learning and the use of Large Language Models

  - Much of Apple's AI is performed solely on device for enhanced security

  - But — most of the new Apple AI is only compatible with devices using Apple Silicon - not Intel devices

- There is definitely a trend away from support of Intel Based Macs, and future software updates will likely not support Intel Macs

What Is Apple Intelligence

https://youtu.be/LtIWE4CCX5M

Brief History of Mac Operating Systems

- Classic Mac OS from System 1 in 1984 to Mac OS 9 in 1999

24 years of macOS

- 10.0 Cheetah in March 14, 2001
- 10.1 Puma in September 15, 2001
- 10.2 Jaguar in August 14, 2002
- 10.3 Panther in October 24, 2003
- 10.4 Tiger in April 29, 2005 - PowerPC to Intel & Rosetta
- 10.5 Leopard in October 26, 2007 (iPhone introduced)
- 10.6 Snow Leopard in August 28, 2009 - End PowerPC
- 10.7 Lion in July 20, 2011
- 10.8 Mountain Lion in July 25, 2012
- 10.9 Mavericks in October 22, 2013

- 10.10 Yosemite in October 16, 2014
- 10.11 El Capitan in September 30, 2015
- 10.12 Sierra in September 20, 2016
- 10.13 High Sierra in September 25, 2017
- 10.14 Mojave in September 24, 2018
- 10.15 Catalina in October 7, 2019
- 11.0 Big Sur in November 12, 2020 - Intel to Apple Silicon
- 12.0 Monterey in October 25, 2021
- 13.0 Ventura in October 24, 2022
- 14.0 Sonoma in September 26, 2023

macOS 15 Sequoia Major New Features

- Use your iPhone from your Mac

- iPhone notifications on Mac

- Drag and drop between devices

- Separate Passwords App

- Messages Tapback with any emoji or sticker

- Live audio transcription and math expressions in Notes

- AI based writing, image creation, and Siri enhancements

- Capability to summarize webpages, voice memos, meeting notes, and emails

See https://www.apple.com/macos/macos-sequoia-preview/

macOS 15 Sequoia Compatibility

iMac (2019 and later)

iMac Pro (2017 and later)

MacBook Air (2020 and later)

MacBook Pro (2018 and later)

Mac Pro (2019 and later)

Mac Studio (2022 and later)

Mac mini (2018 and later)

Compatibility is the same as macOS Sonoma except for MacBook Air, which is compatible only with MacBook Air 2020 and later models

MacOS Sequoia Intel Limitations

- Apple Intelligence is only supported on devices containing Apple Silicon (M-series) chips

- Live audio transcription in Apple Notes is only supported on devices containing Apple Silicon (M-series) chips

- Most other features are supported on earlier compatible Macs, although not all capabilities may be fully supported and performance may be somewhat degraded

MacOS Sequoia Features Unavailable at Launch

- iPhone drag-and-drop will not be in the initial release but should be available later this year

- Apple Intelligence features will only be available as Beta features when Sequoia is released this fall

  - Mail app's new AI features won't be ready until "later in 2024". These include a redesign that can group emails into categories like newsletters, announcements and shopping.

  - Siri integration with ChatGPT similarly will likely miss the initial release.

  - As the Development Betas progress over the next few months other features may miss the initial release.

  - The major Siri "overhaul" including Personal Context, Semantic Indexing, App Control, and On-screen Awareness will likely not be available until 2025.

iOS 18 Major New Features

- Rearrange apps and widgets to customize your home screen

- Major update to Control Center

- Swap out your Lock Screen Controls

- Automatically organize your Photos library by topics like Recent Days, Trips, and People & Pets

- Send messages via satellite when W-Fi and cellular unavailable

- Automatically categorize, group, and summarize email messages

- New Passwords App works across all Apple devices
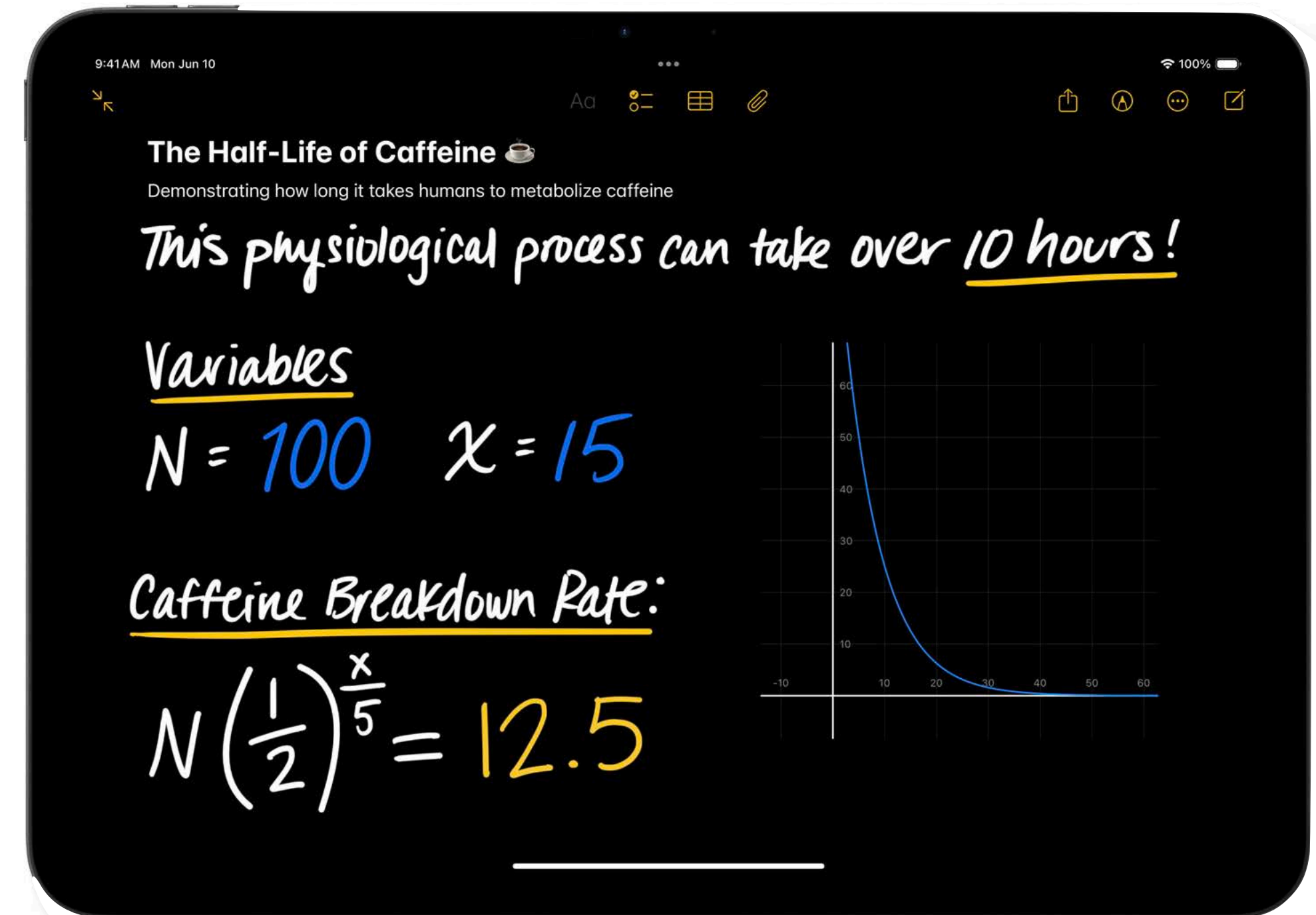
- Live audio transcription in Notes

See https://www.apple.com/ios/ios-18-preview/

iPhone iOS 18 Compatibility

iPhone 15	iPhone 12
iPhone 15 Plus	iPhone 12 mini
iPhone 15 Pro	iPhone 12 Pro
iPhone 15 Pro Max	iPhone 12 Pro Max
iPhone 14	iPhone 11
iPhone 14 Plus	iPhone 11 Pro
iPhone 14 Pro	iPhone 11 Pro Max
iPhone 14 Pro Max	iPhone Xs
iPhone 13	iPhone Xs Max
iPhone 13 mini	iPhone XR
iPhone 13 Pro	iPhone SE (2nd generation or later)
iPhone 13 Pro Max	

- Apple Intelligence is only available on iPhone 15 Pro and iPhone 15 Pro Max (with A17chips) or later models.
- Several other iOS 18 new features are not supported on older iPhone models.
- Several iOS 18 features will not be in the initial release but should be available later this year.

iPadOS 18 Major New Features

- Create your own emoji with Genmoji

- Smart Script smooths handwriting

- Live audio transcription in Notes

- Finally, a Calculator App

- Rearrange Apps and Widgets

- Redesigned Control Center

- Automatically organize your Photos library by topics

- Redesigned Reader in Safari with high-level summary

- New Passwords App works across all Apple devices

- Live audio transcription in Notes

See https://www.apple.com/ipados/ipados-18-preview/

iPadOS 18 Compatibility

iPad Pro (M4)
iPad Pro 12.9-inch (3rd generation and later)
iPad Pro 11-inch (1st generation and later)
iPad Air (M2)
iPad Air (3rd generation and later)
iPad (7th generation and later)
iPad mini (5th generation and later)

- Several iPad models that are compatible with iPadOS 17 are no longer compatible with iPadOS 18
- Apple Intelligence is only available on iPad models with M-series chips.
- Several other iPadOS 18 new features are not supported on older iPad models.
- Several iPadOS 18 features will not be in the initial release but should be available later this year.

watchOS 11 Major New Features

- New Photos Face that uses machine learning

- Several new workout features like new Activity Rings, Training Load, and Cycle Tracking

- Translate a dictated phrase to one of 20 languages without using your iPhone

- Automatic Check In when arriving at destination

- Several new health features like vitals collected while you sleep

See https://www.apple.com/watchos/watchos-preview/

watchOS 11 Compatibility

- Requires iPhone Xs or later with iOS 18 and one of the following Apple Watch models:

  - Apple Watch SE (2nd generation)

  - Apple Watch Series 6

  - Apple Watch Series 7

  - Apple Watch Series 8

  - Apple Watch Series 9

  - Apple Watch Ultra

  - Apple Watch Ultra 2

Several Apple Watch models that are compatible with watchOS 10 are no longer compatible with watchOS 11

Summary

- **New system software with many new features is coming to all Apple devices this fall (probably September or October)**
    - **macOS 15 Sequoia**
    - **iOS 18, iPadOS 18, tvOS 18, watchOS 11, and visionOS 2**