Article

Virtualization updates

Learn about important changes to Virtualization.

Overview

Browse notable changes in <u>Virtualization</u>.

June 2025

- Take advantage of more efficient storage utilization in virtual machine (VM) images using the Apple Sparse Image Format (ASIF). Its space-saving allocation results in a smaller disk footprint and optimized transfer for VM disk images with <u>`VZDiskImageStorageDeviceAttachment`</u>.

- Support vmnet custom network topologies to enable VM-to-VM communications based on a logical network with customized configuration.

- Easily discover a VM's on-process <u>`queue`</u> using this new property on <u>`VZVirtualMachine`</u>.

June 2024

- Adopt nested VMs to run Linux VMs in virtualized Linux VM hosts.

- Allow emulated USB Mass Storage devices to attach to and detach from a running VM using Extensible Host Controller Interface (XHCI) controller hot-plug capabilities.

- Access iCloud from macOS 15 VMs.

See Also

Technology updates

📄 Accelerate updates

Learn about important changes to Accelerate.

📄 Accessibility updates

Learn about important changes to Accessibility.

📄 ActivityKit updates

Learn about important changes in ActivityKit.

📄 AdAttributionKit Updates

Learn about important changes to AdAttributionKit.

📄 App Clips updates

Learn about important changes in App Clips.

📄 App Intents updates

Learn about important changes in App Intents.

📄 AppKit updates

Learn about important changes to AppKit.

📄 Apple Intelligence updates

Learn about important changes to Apple Intelligence.

📄 AppleMapsServerAPI Updates

Learn about important changes to AppleMapsServerAPI.

📄 Apple Pencil updates

Learn about important changes to Apple Pencil.

📄 ARKit updates

Learn about important changes to ARKit.

📄 Audio Toolbox updates

Learn about important changes to Audio Toolbox.

📄 AuthenticationServices updates

Learn about important changes to AuthenticationServices.

📄 AVFAudio updates

Learn about important changes to AVFAudio.

📄 AVFoundation updates

Learn about important changes to AVFoundation.