What’s New in VMware Fusion and Workstation 2017

Michael Roy
Product Line Marketing Manager

Felix Block
Senior EUC Practice SE

#VMworld  #ADV1598BE
Disclaimer

• This presentation may contain product features that are currently under development.
• This overview of new technology represents no commitment from VMware to deliver these features in any generally available product.
• Features are subject to change, and must not be included in contracts, purchase orders, or sales agreements of any kind.
• Technical feasibility and market demand will affect final delivery.
• Pricing and packaging for any new technologies or features discussed or presented have not been determined.
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1999
2008

VMWARE FUSION™ 2

From the winner of more than 100 awards for its industry-leading virtualization software.

Windows is even better on the Mac.
2009
2011
2012

VMware
Fusion 5

Run Windows Programs on your Mac

2013
2016
Where We Started: One Ring-0 to Rule Them All

VMware 1.0 for Linux

VMRC + MKS

VMware Tools

Virtual Hardware

Hypervisor / “The Monitor”

Dedicated Resources
(i.e. All of VMware!)
Where We Are Now: Shared Teams, Shared Code

Dedicated Product Resources
- Fusion / Workstation / FLEX
- ESXi / vSphere
- Horizon 7

Shared Component Resources
- VMRC + MKS
- VMware Tools
- Virtual Hardware
- Hypervisor / “The Monitor”

VMware Platform
Meet the Team

Hosted UI + Quality Engineering: The Builders

VMware Platform: Gurus

GSS: Customer Champions & Bug Hunters
New Releases in 2017
Personal Desktop Virtualization 2017 Lineup
Developers

- Development on Multi-OSes
- Testing on Multi-OSes
- Particular development tools

DevOps

- Container Technologies
- Automated Workflow
Business Users

Corporate Desktops

Legacy Apps

Training & Demo

Education and Home User
VMware Workstation 14 Pro
&
VMware Workstation 14 Player
VMware Workstation 14 Player: Streamlined PC Virtualization for Business

- **Windows 10 Fall Creators Update Support**
  - Run Windows 10, Windows 7 or Windows XP in a secure, isolated and managed sandbox. Support for hundreds of Linux distributions.

- **Streamlined Interface**
  - Built for single-vm use cases

- **Legacy Environments on Today’s Hardware**
  - Run corporate applications on modern hardware

- **Enterprise Management and Security**
  - Encryption, VM Policy enforcement, auto-delete

- **VMware Portfolio Compatibility:**
  - Workstation Pro, Fusion, ESXi, vSphere

- **Workstation 14 Pro is at its Core**
  - Performance, compatibility, stability
New: $149
Upgrade: $79
Free for Personal Non-Commercial Use

- MS Win10 Fall Creators Update Support
- Ubuntu 17.04 and Fedora 26
- User Interface Enhancements
- Updated CPU Support
- UEFI Boot Support

- Auto-Cleanup for Windows Guests
- Microsoft VBS Support (Guest)
- vSphere Hardware Version 14
- Improved OVA Support
- Virtual NVMe Device
VMware Workstation 14 Pro: Leading Desktop Virtualization for Developers, IT Pros and Businesses

- **Run Nearly Any OS**
  - Workstation allows users to run multiple OS as Virtual Machines on a single Windows or Linux PC

- **Fit for the Enterprise**
  - IT Pros use Workstation to design, PoC and architect data centers and test app compatibility

- **Build Better Software**
  - Development and QA teams use Workstation to test multiple OS configurations from one PC

- **Connects to vSphere**
  - vSphere Admins get a light version of the vSphere client to perform basic remote tasks

- **So much more...**
  - 17 years in the making, Workstation is the industry standard for desktop virtualization
Over 20 New Features:

- MS Win10 Fall Creators Update Support
- Microsoft VBS Support (Guest)
- User Interface Enhancements
- Custom Network Rename
- Updated CPU Support

- vSphere Hardware Version 14
- Virtual Network Simulation
- Improved OVA Support
- Virtual NVMe Device
- UEFI Boot Support
VMware Workstation 14

Improved OVA Support
vCenter Server Appliance Seamless Deployment
VMware Workstation 14 Pro and Player: Windows 10 Security

- Microsoft ‘Device Guard’ and ‘Credential Guard’ support for Win 10 Guests
- UEFI Secure Boot Technology
- Virtual Trusted Platform Module
Workstation Pro
VBS + Networking
Typical Customer

Security - Real World Example
Logistic Inc. - Challenges

- Worldwide locations
- 4500 Employees
- Challenges
  - IT got attacked in the past
  - Identified data leakage over Internet
  - Disabled corporate Internet access
    - Some users still need Internet access
  - Must separate Internet PCs from network
Logistic Inc. - Solution

• Use Workstation for all user requiring Internet access
• Lockdown and secure the guest OS
• Allow Internet access only for the guest VM
• Use Workstation features to build a secure VM (disable copy/Paste e.g.)
• Share only Browser to the host OS to allow access to Internet
• Use secured network drive to share data between guest and host OS
• Revert the guest OS frequently to safe snapshot
Security Use Case
Over 30 New Features:

- MS Win10 Fall Creators Update Support
- macOS 10.13 Host & Guest Support
- Microsoft VBS Support (Guest)
- Apple “Metal” Host Renderer
- Updated User Interface
- Touch Bar Support
- vSphere Hardware Version 14
- Updated Migration Assistant
- Updated New VM Wizard
- Improved OVA Support
- Virtual NVMe Device
- UEFI Boot Support
Improved User Experience

Modern Window and Toolbar

Updated New VM Installation & Migration Assistant

More Informative Library

Added View Controls

Updated Icons

Touch Bar Support for Library and Virtual Machines
All New Graphics Engine

Metal Host Renderer
3D Graphics with Apple Metal Backend
Metal Host Renderer:
Better Performance, Efficiency, Accuracy

OpenGL

DirectX 10

DX 10 - Fusion 10 vs Fusion 8
(FPS - AMD FirePro 2GB)
Fusion 10 Pro Only:

- New Fusion API with over 20 controls
- Remote vSphere Host Power operations
- Remote vSphere Host Maintenance mode

Fusion 10 Features:

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- UEFI Boot Support

New: $159  
Upgrade: $119
Virtualization Based Security

Virtual Trusted Platform Module
Microsoft Credential Guard
UEFI Secure Boot
Improved vSphere Support

Host Power Control
Host Maintenance Mode
Hardware Version 13 & 14

Available in VMware Fusion 10 Pro
vCenter Server Appliance Seamless Deploy
Improved Virtual Networking
Fusion API

REST API
Over HTTPS
Over 20 Controls
Designed for Automation
Can be used Remotelty or Locally
Swagger-Based Explorer UI with examples
Fusion API
One More Thing
Hello,

Thank you for purchasing our VMware Fusion 10th Anniversary Collectors Edition Box Set.

The code is currently undergoing final test and will be available soon. In the meanwhile, please enjoy the Tech Previews enclosed within.

Thank you again for being a VMware customer, we hope to serve you for many years to come.

Regards,

[Signature]

CEO, VMware

Your License Keys

Fusion 10 Pro for Mac
EXAMP-LE123-45678-90EXA-MPLE1

Workstation 14 Pro for Windows NFR
EXAMP-LE123-45678-90EXA-MPLE1

Workstation 14 Pro for Linux NFR
EXAMP-LE123-45678-90EXA-MPLE1

Tech Preview details at vmware.com/go/tp2017

Please download the official products from vmware.com when they become available, and register your Fusion key to qualify for future upgrades.

*Not For Resale (NFR) products are ineligible for support and upgrades.
Please fill out your survey.

Take a survey and enter a draw for a VMware company store gift card.
Thank You