Mobile Center

Micro Focus® Mobile Center provides an end-to-end quality lab of real mobile devices and emulators to support building a memorable app experience. With Mobile Center, testers can validate all aspects of the mobile user experience including functionality, performance and security testing. Mobile Center drives continuous improvement and optimization by analyzing usage, network performance, and mobile application production monitoring.

Product Highlights

How Mobile Center Can Help
Micro Focus® Mobile Center is a single mobility gateway that helps teams test, monitor and optimize their mobile application to promote an enhanced user experience across digital touchpoints. Mobile Center provides centralized access to either physical mobile devices (Android and iOS) and device emulators (Google SDK and Genymotion) across the entire organization. It enables mobile app testing using popular automated testing tools from Micro Focus or open source, and interactive testing from directly from a web browser.

Key Features and Benefits

Centrally Manage Devices, Apps, and Users
Mobile Center offers complete deployment and configuration flexibility. MC’s hybrid architecture permits the server and managed devices to be connected locally, inside a corporate network, or available as-a-service on the Amazon Device Farm or external device provider. Once connected, devices are pooled and available to users. MC’s enterprise management functionality including Workspaces and Device Reservations lets MC administrators segment device and app access to assure equitable usage and protect privacy.

Users of MC view devices and apps available to their Workspace through a supported testing tool or web browser. Using a remote viewer, users interact with devices without the need for physical access while maintaining the ability to interact with a device’s sensors and multimedia capabilities.

Virtualize Sensors and Interfaces
Many mobile workflows can be tested directly on a physical device, but frequently native mobile and web app test automation is challenged by the use of sensor and interface capabilities found in mobile devices. MC’s capacity for supporting sensors and enhanced interfaces include:

- Photo and video simulation
- Fingerprint simulation
- Capturing audio output
- Virtualizing network conditions
- Phone call and text interruption
- GPS injection
- Gestures

When combined with test automation, these capabilities enable enhanced workflows for developers and testers through shortened feedback cycles in Continuous Integration, Continuous Testing, and DevOps practices.

Key Benefits

- **Centralized Gateway**: Full control of all mobile apps, devices, and emulators across the organization, segregated to workspaces.
- **Smart Lab Management**: Allow users to filter and select devices by capability, automatically locate or reserve and view a device’s status.
- **Continuous Improvement and Optimization**: Analyze app usage, collect app store feedback, analyze network performance and monitor apps in production.
- **Test Multiple Apps**: Test system apps, custom apps, desktop and mobile browsers in a single run.
- **Scalable Deployment**: Deploy on-premises or in a hybrid infrastructure.
End-to-End Mobile App Lifecycle

Mobile Center’s capabilities support a flexible mobile app development lifecycle, with integrations with Micro Focus’ broader portfolio and popular open source testing tools. Test automation is achieved through native integrations with Micro Focus’ Unified Functional Testing, Silk Test, and LeanFT tools, while open source testing is enabled with Appium and Selenium.

Any successful app will experience constraints unique to the mobile landscape. In mobile, the impact of variables like network conditions and device fragmentation are magnified dramatically. Integrations between MC and LoadRunner or StormRunner Load combine virtual users with real devices in a unified performance test for assurance that an app’s supporting infrastructure meets capacity requirements while security testing powered by Fortify on Demand allows security testing of apps quickly, accurately, and affordably. Once in production, MC integrates with AppPulse Mobile for insights on how users interact with the app, on what devices to focus testing, and the overall health of the user experience.

Optimized Open Source Mobile Testing

Mobile Center eliminates the need for maintaining Appium or Selenium Grid environments for mobile testing. MC makes Appium testing faster and more convenient by eliminating platform dependencies when testing iOS apps with Appium. Since devices are available to any authorized MC user, savings are seen by pooling devices and improving utilization rates. The MC server acts an Appium server so that existing scripts can be updated and a device selected by setting desired capabilities flags. With MC, open source test automation teams can work more flexibly, efficiently, and with higher velocity from improved access to devices, reduced maintenance requirements, and lower technical barriers.

Flexible Licensing

Mobile Center offers flexible licensing to accommodate almost any organization. Every edition entitles customers concurrent access to a specified number of devices and the total number of connected devices is uncapped. MC Professional, Enterprise, and Ultimate include Network Virtualization (NV) capabilities and Unified Functional Testing (UFT) licenses to enable a complete mobile testing solution.

- **MC Express**: 1 device, limited to manual and open source testing
- **MC Professional**: 4 devices, 2 NV, and 1 UFT
- **MC Enterprise**: 30 devices, 30 NV, and 1 UFT
- **MC Ultimate**: unlimited devices, 100 NV, and 1 UFT

Additional devices may be added to MC Express, Professional and Enterprise.

Learn More At www.microfocus.com/mobiletesting

Supported Operating Systems

**Linux**
- Red Hat Enterprise Linux 6.5, 6.6, 6.7, 6.9, 7.0, 7.1, 7.2, or 7.4
- CentOS 6.6, 6.7, 6.8, 7.0, 7.1, 7.2, 7.3, or 7.4
- Amazon Web Services (AWS)
  - Linux AMI (Amazon Machine Images) (MC Server-only)

**Windows**
- Windows 7, 8.1, or 10 (x86-64-only)
- Windows Server 2008 R2, or 2012 R2

**MacOS (MC Connector-only)**
- OS X 10.10.2 or later
- MacOS 10.11.1, 10.12, 10.12.1, or 10.12.4

**Server Requirements**
- 2.2 GHz or higher dual-core processor
- 4GB RAM
- 20GB disk space
- PostgreSQL Server v9.6 (embedded)

**Connector Requirements**
- 2GB RAM
- 2GB disk space

Full system requirements can be located in the MC online documentation: https://admhelp.microfocus.com/mobilecenter/en/latest/Content/Before_starting_installation.htm

“We compared Micro Focus Mobile Center with other automation tools and found it offers significant advantages. We can do both iOS and Android testing on a single platform. And, Mobile Center’s user interface is very easy for our testers to operate.”

HAILIANG HUANGFU
Test Manager
Shanghai OnStar