Citrix Endpoint Management and Wandera Mobile Security

Proactive end-to-end mobile management

Mobile users are increasingly targeted by phishing schemes and other attacks.

While traditional corporate desktop environments are typically well defended, corporate security strategies often overlook text messaging and mobile apps. Beyond merely managing diverse mobile devices, organizations need to the ability to proactively detect threats and attacks before they have a chance to put corporate data at risk.

Proactive end-to-end mobile management

As global leaders in their respective areas[1,2], Citrix and Wandera comprise a unique solution to combat mobile security challenges and manage the mobile device fleet. More than mobile device management, Citrix Endpoint Management offers true user experience management as a unified endpoint management (UEM) solution. Citrix Endpoint Management solutions deliver the best user experience possible, providing easy access to the entire workspace—including virtual apps and desktops. Wandera's highly effective endpoint security enhances mobile platforms with real-time prevention of network attacks.

The rise of mobile phishing

Mobile devices are the new frontier for cybercrime. Not only is mobile usage now predominant, but it is far easier to exploit a person through their mobile device than it is to infiltrate a network, or defeat a robust and hardened operating system. In fact, mobile phishing is now the number-one threat affecting organizations worldwide with a full 93% of breaches initiated with a phishing attack.[3] Though many associate phishing with email, advanced filtering and decades of training mean that these attacks are seldom effective.

With its mobile-first architecture and threat analytics, Wandera has documented an explosion in mobile phishing attempts via messaging and social media apps. Wandera now estimates that a new type of mobile phishing attack is generated every 20 seconds. Complicating matters, mobile phishing sites are put up and taken down quickly, making them difficult to track. Smaller screens, more distracted users, and visual shortcuts make spoofing mobile users easier, and spotting suspicious URLs more difficult.

Most traditional approaches to protecting a device fleet against evolving mobile threats are ineffective. User education is often insufficient, since the human element leaves room for error and potential damage to the user and the business. Anti-spam solutions do not address phishing attacks that take place outside

Citrix Workspace

Only Citrix offers the most complete and integrated workspace to enable people to securely access their apps, desktops, and data from anywhere. Rely on Windows app and desktop delivery from Citrix Virtual Apps and Desktops, device security from Citrix Endpoint Management, secure file sync and sharing with Citrix Content Collaboration, and network security with Citrix Gateway. Only Citrix Workspace offers you complete choice of device, cloud and network, streamlined for IT control and simple, secure access for users.

1. Wandera is a leader in the IDC MarketScape: Worldwide Mobile Threat Management Software 2018-2019 Vendor Assessment (https://www.idc.com/getdoc.jsp?containerId=US44521018).

2. Citrix is a Leader in the IDC MarketScape: Worldwide Enterprise Mobility Management Software 2018 Vendor Assessment (https://www.citrix.com/products/citrix-endpoint-management/form/idc-marketscape-enterprise-mobility-management-2018/thank-you.html).

3. Verizon 2018 Data Breach Investigations Report (https://enterprise.verizon.com/resources/reports/dbir/).

of email (e.g., via Simple Message Service (SMS) or through social media apps). App-based solutions are often ineffective because most phishing attacks do not actually compromise the device, or involve malicious apps.

Citrix Endpoint Management and Wandera

Citrix Endpoint Management enables IT to manage mobile apps and devices across platforms. With single-console mobile management, IT administrators can set policies to meet security and compliance measures, while users retain the freedom to choose their own device. Wandera is a unique solution that extends Citrix Endpoint Management to include comprehensive threat management across a breadth of mobile risks. It is the only dedicated web gateway for mobile, operating directly in the pathway of mobile data (Figure 1). Additionally, Wandera's flexible architecture allows deployment to all iOS, Android, and Windows 10 devices, regardless of ownership model. Bring your own device (BYOD), corporate owned personally enabled (COPE), and corporate owned business only (COBO) scenarios are all supported.

Described in the sections that follow, the solution's unique architecture allows it to sit between the mobile device and the Internet, giving it the ability to intercept traffic to phishing sites, whether initiated over SMS, instant messenger, or social media applications.
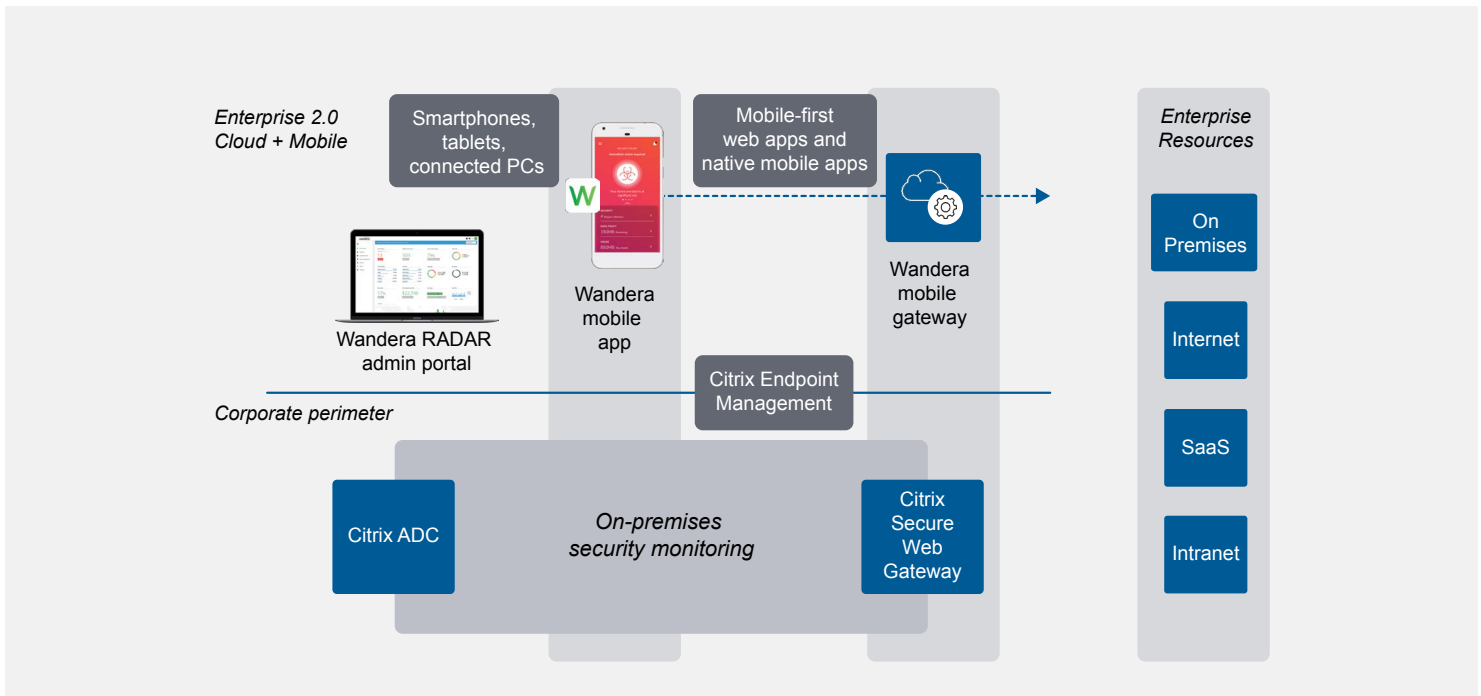

Figure 1. Wandera and Citrix Endpoint Management

- **Wandera mobile app.** Wandera's mobile app continually scans the device for malware or other attacks. An advanced mobile intelligence engine (MI:RIAM) compares this data with billions of other data points to uncover new zero-day threats. The app can be easily and rapidly deployed across thousands of devices using Citrix Endpoint Management. Users get the latest security alerts and information about their device, as well as mobile data consumption information.

- Wandera mobile gateway. The Wandera mobile gateway operates in the pathway of data flowing into and out of every device (both via cellular and WiFi). Intelligent vectoring techniques mean that there is no need for VPNs and all data remains encrypted—with no latency or impact upon battery performance. IT administrators can control which devices are accessing their services. MI:RIAM analyzes billions of mobile inputs using advanced machine learning techniques. Connections can be blocked as they happen, preventing access to inappropriate content, stopping a phishing attack, or repelling a malware download before it even reaches the device.

- **Wandera admin portal.** The RADAR portal features a variety of different reports showcasing security information, with every dashboard being updated in real-time. Admins can configure and enroll new devices, and get instant alerts for new security incidents. Other features include the ability to customize notifications to employees or to the inboxes of mobility leaders. Extensive controls allow setting acceptable usage policies, expense caps, and integrations with EMM platforms like Citrix Endpoint Management.

- **Citrix Endpoint Management.** Citrix Endpoint Management delivers one-click deployment for Wandera across the device fleet. Administrators can inventory, manage, and secure a broad range of device types with a single management console. Self-service device enrollment and configuration is supported along with a corporate app store. IT updates can be posted to globally-roaming devices using cloud services, Software as a Service (SaaS), and virtual apps.

Wandera's mobile-centric approach

Wandera's solution enables productive mobile working, while alleviating concerns around growing costs, access to inappropriate content, and shadow IT. The approach lets IT administrators enforce acceptable use policies for mobile devices, while managing the rising costs of mobile usage. In addition, end-user privacy is protected, giving users peace-of-mind that their online presence is protected just as well as enterprise data. With Wandera, administrators can:

- Deliver robust protection against a broad range of mobile threats

- Comply with regulations and avoid legal complications

- Enforce acceptable use to avoid shadow IT and potential HR issues

- Effectively manage data consumption by applying content filtering and usage

Citrix Endpoint Management

As corporate device programs move beyond just mobile devices, mobility management platforms have become critical to extend the reach and visibility of IT across all endpoints. Unified endpoint management (UEM) represents the

evolution of mobile device management (MDM), removing the complications that come with a disconnected set of device management tools and platforms. More than mobile platforms, Citrix Endpoint Management provides management and controls for IOS, Android, Windows 10, MacOS, Chrome thin clients, and Workspace Hub devices. With Citrix Workspace, a single login opens the door to a Secure Digital Workspace.

Citrix Endpoint Management offers comprehensive management and control from a single console, including:

- Provisioning and configuration controls for the endpoint device
- Security and compliance controls to create a customized security baseline with actionable triggers
- OS update controls to prevent or enforce operating system updates
- App management and distribution capabilities to push critical corporate applications to the device and automatically update applications from public app stores
- App configuration to allow IT to apply policies and control measures to applications rather than device types

The consolidation of device management platforms makes life easier for IT, but Citrix Endpoint Management also enhances the user experience—consistent with Citrix' focus. The ability to mix and match any type of application to any device type removes barriers:

- The Mobile Application Management-only (MAM-only) deployment model offers data protection without the requirement of device enrollment—offering privacy when working on bring-your-own (BYO) devices.
- Citrix Networking solutions through Citrix Gateway offer single sign-on technology and a single PIN.
- File sharing and collaboration are integrated with Citrix Secure Mail and Citrix Content Collaboration, all managed through Citrix Cloud console.

Citrix' unique ability to deliver an entire Secure Digital Workspace creates an environment conducive to broad IT visibility. This environment allows for both proactive maintenance and rapid troubleshooting of performance or security.

Conclusion

The combination of Citrix Endpoint Management and Wandera offers unique advantages in addressing the challenges of securing mobile endpoints, applications, and users. Wandera is the only solution able to combine end point with network security to eliminate threats, control unwanted access, prevent data loss, and enhance user privacy. Citrix Endpoint Management complements Wandera, providing a Secure Digital Workspace with a focus on enhancing the user experience by managing apps, providing business-class productivity, and creating secure workflows for document sharing and collaboration.

For more information, view Wandera's profile on the Citrix Ready Marketplace at citrixready.citrix.com/wandera.html.

About Wandera

Wandera is a leading mobile security company, providing multi-level protection against cyber threats for users, endpoints, and corporate applications. Security teams worldwide rely on Wandera to eliminate threats, control unwanted access, prevent data loss and enhance user privacy. The company pioneered the application of data science to tackle the complex challenges of mobile security with MI:RIAM, the industry's most effective threat intelligence. Recognized by analysts and trusted by thousands of enterprise customers, Wandera was founded in 2012 and is headquartered in San Francisco and London. To learn more visit wandera.com.

About Citrix Ready

The Citrix Ready technology partner program offers testing and verification for joint Digital Workspace, Networking, and Analytics solutions. After a robust testing process, validated partner solutions are listed in the Citrix Ready Marketplace, giving customers and channel partners a simple and effective way to explore and select Citrix Ready verified solutions—increasing confidence while reducing risk. Learn more at citrixready.citrix.com.

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