LEAF OS Software Endpoint

Realistic BYOD; Aging computer revitalization.

Deliver secure virtual desktops without new hardware investments.

LEAFOS

BYOD or PC Repurposing

citrix™

- Citrix DaaS
- Virtual Apps and Desktops
- StoreFront
- Microsoft Teams optimization
- Browser Content Redirection (BCR)

Microsoft

- Azure Virtual Desktop (AVD)
- Windows 365
- Remote Desktop Services (RDS)

NComputing®

- vSpace Pro Enterprise
- VERDE VDI
- VERDE Remote Access

LEAF OS by *NComputing* is a small Linux-based operating system providing the basis for thin client computing. It enables users to securely access virtual desktops using their personal computers, including out-of-date x86-64 PCs and laptops.

Deployable in two different configurations, LEAF OS gives you both permanent and temporary access to secure computing environments. First LEAF OS can be run from a USB drive. USB booting leaves the user's existing operating system, files, and hard drive untouched while providing an ideal environment for work-from-home use cases. When users finish their work, a simple reboot to their native OS restores their device to personal use. For a more permanent installation LEAF OS can be installed directly on the hard drive converting the host computer into a powerful thin client.

LEAF OS devices are managed by PMC Endpoint Manager software, a powerful solution for IT administrators to manage all devices from a browser including LAN and WAN network deployments, locations behind firewalls and NAT-routers.

LEAF OS is optimized for Citrix, Microsoft Azure Virtual Desktop (AVD), Windows 365 Cloud PC, Microsoft Remote Desktop Services (RDS), vSpace Pro Enterprise and VERDE VDI.

LEAF OS includes select local applications that run on the device, not through a virtualization platform. Direct access to the web via the **Chromium Browser** eliminates virtualization lag. **Microsoft Teams** and **Zoom** both benefit from direct audio/video relay eliminating common concerns of web conferencing through virtual platforms. LEAF OS controls both the availability of these apps and their deployment method, with Guest Mode an option for Kiosk-like use.

WHY USE LEAF OS?

- **EASY ACCESS TO DESKTOP VIRTUALIZATON ENVIRONMENT:** Complete access to cloud hosted and server-based infrastructure, including Citrix, Microsoft AVD, Windows 365, RDS, VERDE VDI and vSpace Pro Enterprise desktop virtualization.

- **PROVIDE A SECURE COMPUTING ENVRIONMENT:** The fully locked-down Linux platform is secure, protecting users against 3rd party applications and common threats, and data leakage concerns.

- **WORKING WITH PERSONAL DEVICES & BYOD:** Booting to a USB stick with *LEAF OS* on any PC/laptop. Provide simple, secure, and fully functional anytime, anywhere access to virtual desktop environments.

- **EXTEND LIFE OF PCS & LAPTOPS:** Repurpose outdated computers. Save your money and get out of the PC-refresh cycle. Put off forced investment in new hardware until it makes sense for you.

- **CENTRALLY MANAGED; REDUCE MAINTENANCE & SIMPLIFY:** Push configurations and updates to a *LEAF OS* USB stick or device via a centralized management platform. All user data is stored on the server, making backups simple.

- **EXPAND USB CAPABILITIES:** Using drivers on the server opens up extensive peripheral support capabilities for webcams, audio peripherals, printers, mass storage, touch screens, smart card readers and other devices.

30-DAY FREE TRIAL

We are offering a free 30-day trial of LEAF OS. Simply go to www.ncomputing.com, login to your account (or create a free one) and download LEAF OS from the software page.

WHO SHOULD USE LEAF OS?

- Organizations that plan to adopt or have a deployment with a supported platform.
- WFH initiatives that require secure access to important files, data, and Windows applications from anywhere.
- Concerns about manageability, security, scalability, and corporate data leakage.
- Aging PCs or x86 thin clients and wish to repurpose them to prolong their useful life. Avoided the dreaded PC refresh cycle and want thin clients.
- Decisions to make because of Windows 7 reaching the end-of-life such as upgrading to a current Windows OS without replacing existing hardware.
- A desire for a simplified IT platform on which to run your business.

Features[1]

- Multi-Factor Authentication (MFA)
- RemoteApps and RemoteDesktops
- Regular vs. Kiosk mode auto-login
- Peripheral devices
  - USB webcams, network printers and mass storage devices
  - USB smart card readers and security keys
  - Digital (HDMI, DisplayPort, S/PDIF), analog, and USB audio
- Native dual display support with independent screen rotation
- Local applications including Chromium browser, Microsoft Teams and Zoom

Compatibilities

Citrix

- Citrix DaaS
- Citrix Virtual Apps and Desktops 71808 or newer
- Citrix StoreFront 3.0 or newer, StoreFront 1811 or newer (including connections through Citrix Gateways)
- Citrix XenApp/XenDesktop 7.6 or newer
- Citrix Web Interface 5.4

Microsoft

- Azure Commercial Cloud (Spring 2020 and Fall 2019)
- Azure U.S. Government Cloud
- Windows 365 Cloud PC
- Remote Desktop Services (RDS)
- Windows Server 2008 R2, 2012 R2, Multipoint Server 2012, 2016, 2016 Multipoint Services, 2019, 2022
- Windows 7, 8.1, 10, 11

NComputing

- VERDE VDI and VERDE Remote Access version 8.2.7 or higher
- vSpace Pro Enterprise version 12.5.2 or higher

[1] May vary by platform.
[2] vSpace Console is only available for vSpace Pro Enterprise users.
[3] 4GB of RAM is required for use cases relying heavily on local Linux applications.

SUPPORTED MANAGEMENT SYSTEMS

PMC Endpoint Manager

An admin can remotely manage LEAF OS devices over local and wide-area networks, including locations behind firewalls and NAT-routers through an easy-to-use, web-based user interface. PMC comes with automatic discovery, check-in and configuration provisioning of new devices making deployment easy. Administrators can setup device profiles complete with all settings and configurations, then push the profile to individual or grouped devices. Only a few clicks are needed to schedule device firmware updates, access the summary dashboard or view the detailed events log. Users are easily kept up-to-date.

vSpace Console[2]

An admin can manage a subset of LEAF OS device configurations for LEAF OS related to vSpace configuration parameters, and provide integrated user session management of LEAF OS devices. For full LEAF OS feature set management and software/firmware update capability, PMC Endpoint Manager software is required.

ITEM	DESCRIPTION
MINIMUM HARDWARE REQUIREMENTS	- Standard x86-64 compatible processor, based on either BIOS or UEFI motherboard firmware with USB boot support. - 2GB RAM[3] - 4GB of internal storage
VIRTUAL PLATFORM SUPPORT	The following platforms are supported by LEAF OS. - Citrix - Microsoft AVD - Windows 365 Cloud PC - Microsoft RDS - VERDE VDI and VERDE Remote Access - vSpace Pro Enterprise
INCLUDED LOCAL APPLICATIONS	LEAF OS also comes with integrated local applications support for extended functionality without solely relying on the desktop virtualization environment. Local applications can be accessed in stand-alone 'Local Applications', 'Citrix Client','AVD Client', and 'RDP Client' device operation modes. **Chromium Browser, Microsoft Teams, Zoom**
VPN CLIENTS	- OpenVPN - OpenConnect VPN - PPTP - IPSec (L2TP and IKEv2) - FortiClient SSL VPN
BOOT METHODS	- USB thumbdrive | *default* - Internal drive (HDD, SSD, eMMC, NVMe) | *optional*
MANAGEMENT SYSTEMS	- PMC Endpoint Management - vSpace Console (for vSpace Pro Enterprise only)
LICENSING	Licensing varies based on the virtual platform being used. Please consult the specific platform licensing documentation for further information: - *LEAF OS* KB articles on Licensing