Nex Product

Product Overview

Self-hosted Windows endpoint management

InvoScape | Nex Endpoint Management and orchestration platform

1. What is Nex

Nex is a self-hosted Windows endpoint management and orchestration platform designed for organizations that want straightforward control of their Windows computers and servers without handing day-to-day endpoint management to a cloud platform.

Nex provides administrators with a central console for managing Windows endpoints across their network. It brings routine endpoint operations into one place, allowing administrators to see their devices, assess endpoint health, manage Windows patching, deploy software and orchestrate maintenance through controlled workflows.

What Nex Does

- **Windows patching —** Scan endpoints for Windows updates, manage update activity and coordinate patch installation.
- **Patch orchestration —** Coordinate the complete patching workflow, including endpoint health checks, update discovery, maintenance-window control, patch installation, reboot requirements and post-update verification. Health check → update discovery → maintenance-window control → installation → reboot decision → reboot → post-reboot verification.
- **Update health —** Provide visibility into endpoint readiness, pending reboots and conditions that may prevent successful patching.
- **Maintenance windows —** Control when endpoint maintenance and patching activity is permitted to run.
- **Reboot management —** Coordinate reboot requirements as part of the update workflow and allow maintenance to continue after a required restart.
- **Software deployment —** Distribute and deploy software packages to managed Windows devices.
- **Device inventory —** Collect useful endpoint information to provide administrators with a clearer view of the environment.
- **Collections —** Group devices for easier administration, targeting and maintenance.
- **Compliance visibility —** Help administrators understand the update, health and maintenance state of managed endpoints.

2. How Nex Works

Nex uses a server-and-agent architecture. The Nex Server is installed within the organization's environment and provides the central management, orchestration and administrative services. A lightweight Nex Agent is installed on each managed Windows computer or server.

Nex Agents communicate with the Nex Server across the organization's network, reporting endpoint information and carrying out authorized management operations.

Rather than simply issuing an instruction to install updates, Nex can coordinate the maintenance process as an orchestrated workflow. An endpoint can be assessed for update health, scanned for required updates, held until an approved maintenance window, patched, evaluated for reboot requirements and checked again after maintenance to confirm its resulting state.

This allows administrators to manage endpoint maintenance centrally while retaining visibility over each stage of the process.

Nex is designed to operate entirely within your network. Internet access is only required for Microsoft services needed to obtain Windows updates; Nex management traffic remains internal.

3. Why Nex?

Many organizations need reliable Windows endpoint management without the operational complexity of a large enterprise management platform. Nex is designed to provide the centralized management, automation and orchestration required to maintain a Windows environment while remaining straightforward to deploy, understand and operate.

Because Nex is self-hosted, the organization retains control of the management platform and its endpoint management data. This makes Nex particularly relevant to businesses that prefer to keep management traffic, administration and operational data within infrastructure they control.

Nex brings patch management, endpoint health, software deployment, device visibility, compliance information and routine maintenance into a single self-hosted platform. This reduces the effort involved in managing individual devices and helps IT teams maintain a more consistent and reliable Windows environment.

A key part of Nex is its approach to orchestration. Endpoint maintenance is treated as a workflow rather than a collection of isolated administrative tasks. Nex can assess whether an endpoint is ready to patch, determine its update requirements, coordinate installation within permitted maintenance periods, manage reboot requirements and subsequently reassess the endpoint.

This provides administrators with greater visibility into not only whether an update command was issued, but also where an endpoint is within the maintenance process and whether further action may be required.

By automating recurring operational tasks and coordinating the stages between them, Nex helps reduce manual update work, identify devices that require attention and limit the risk of endpoints falling behind on critical patches or maintenance requirements.

Unlike endpoint-management platforms built around Azure or a cloud-hosted control plane, Nex is designed to operate within the organization's own network. The Nex Server and SQL database remain on infrastructure controlled by the customer, allowing organizations to centralize endpoint management without moving their operational data or management infrastructure into the cloud.

This approach can reduce reliance on additional cloud services, avoid unnecessary cloud-consumption costs and make better use of existing on-premises or privately managed infrastructure. Management traffic remains internal to the organization's network, with internet access required only for Microsoft services used to obtain Windows updates.

Nex is suited to organizations that want greater control over their Windows environment without the complexity, cost or cloud dependency of a cloud-first endpoint-management platform. It combines centralized visibility with orchestrated maintenance to provide a more controlled and consistent approach to managing Windows endpoints.

In Simple Terms

Nex gives a business one place to see and manage its Windows computers, keep them patched, deploy software and automatically coordinate the maintenance process — while keeping management under its own control.

Product Status

Nex has an implemented server and agent architecture with Windows Update workflows, patch orchestration, update health, maintenance windows, reboot management, software deployment, inventory, licensing and installation components.

The platform continues to undergo validation, compatibility testing and production hardening as it progresses toward broader production deployment.

Core Design Principles

- Self-hosted management.
- Internal Nex management traffic.
- Centralized Windows endpoint administration.
- Orchestrated endpoint maintenance.
- Endpoint health before and after patching.
- Practical automation of routine maintenance.
- Controlled maintenance windows and reboot management.
- Straightforward deployment and operation.
- Administrator control over patching and maintenance activity.