

— MICROLEARNING

AVD Hybrid on Nutanix

*AVD that lives where your data
lives*

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PRINCIPAL LEARNER ARCHITECT

For most of its life, AVD meant *Azure*. Full stop.

01 Most enterprise IT is already hybrid

ECI Research finds 61.8% of enterprise environments run hybrid deployments today. Pure-cloud is the minority story, not the default one anymore.

02 Some workloads physically belong on-premises

Latency-sensitive apps, data-gravity-heavy workloads, sovereignty rules, regulated industries. Some sessions simply work better next to the data they read.

03 Now AVD has a supported on-prem option

The Microsoft, Nerdio, and Nutanix alliance brings AVD to on-prem Nutanix infrastructure with one Nerdio Manager console across cloud and on-prem hosts.

AVD on Nutanix Cloud Platform, orchestrated by Nerdio, governed from Azure.

AVD Hybrid on Nutanix lets organizations run Azure Virtual Desktop session hosts on Nutanix AHV infrastructure on-premises while keeping the Microsoft cloud control plane for identity, brokering, and policy. Nerdio Manager for Enterprise is the single console across both.

AVD HYBRID AT A GLANCE

- **Launch**

Public preview in Nerdio Manager for Enterprise 8.0, late May 2026. First non-Azure infrastructure ever supported in NME.

- **Alliance**

Strategic technology alliance announced April 7, 2026 at Nutanix .NEXT in Chicago. Microsoft AVD Hybrid launch partner.

- **Foundation**

Nutanix Cloud Platform on AHV, the Nutanix-native hypervisor, governed by the same Nerdio Manager console as cloud AVD.

- **Control plane**

Microsoft Azure for identity, brokering, and gateway. Local AHV cluster for compute and storage.

- **Audience**

Organizations with regulated workloads, latency-sensitive apps, existing Nutanix investment, or hybrid-first strategies.

What this combination actually unlocks, in four dimensions.

● UNIFIED CONTROL PLANE

One Nerdio console

Nerdio Manager for Enterprise governs Azure-native AVD and AVD on Nutanix from a single, unified administrative interface.

Same workflows

Image management, auto-scale, policy, cost optimization, and monitoring work the same way across cloud and on-prem hosts.

No second tool to learn

Existing Nerdio admins extend to on-prem AHV hosts without learning a second platform, so day-one productivity is preserved.

● DATA RESIDENCY & LATENCY

Workloads next to data

Place AVD session hosts physically next to large datasets or systems of record, instead of pulling data across regions every session.

Sovereign deployments

Data residency and sovereignty requirements are met by keeping desktops on local AHV clusters under your direct operational control.

Latency-critical apps

Engineering, design, healthcare imaging, and financial trading workloads run with on-prem LAN latency, not cross-region WAN latency.

● MODERNIZATION AT YOUR PACE

No big-bang migration

Existing Nutanix HCI investment is preserved. Modernize legacy VDI to AVD on the same hardware, no forklift hardware upgrade required.

Mixed-mode deployments

Run some host pools cloud-native in Azure, others on-prem on AHV. Add or shift workloads as the business case becomes clearer.

Burst to cloud when needed

Use Azure burst capacity for peak demand or seasonal load, while the steady-state workloads stay close to the local cluster.

● CHOICE OF DEPLOYMENT

Cloud, on-prem, or both

Deploy session hosts in Azure, on Nutanix AHV on-premises, or in any combination, with the same Nerdio Manager experience.

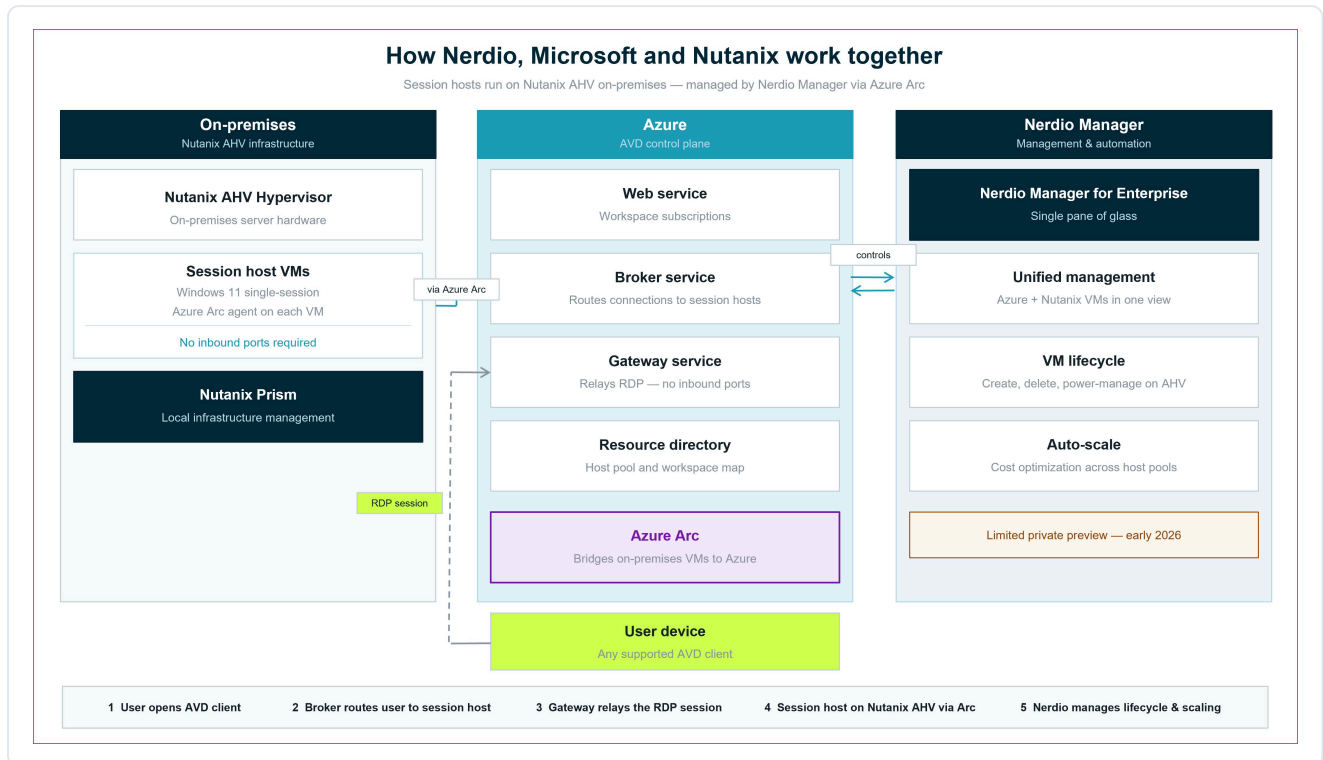
Microsoft-supported path

AVD Hybrid is a Microsoft-supported deployment model, with Nerdio and Nutanix as official launch partners alongside Microsoft.

No platform lock-in

The infrastructure choice stays with the business, not with a management tool that forces a single deployment shape onto every workload.

STEP 4 · HOW IT FITS TOGETHER



Three things this architecture gets right

01 No inbound ports

On-prem session hosts reach Azure outbound through Azure Arc. The corporate firewall never opens to the public internet, even though brokering and gateway are cloud-side.

02 One Microsoft control plane

Identity, brokering, gateway, and the resource directory stay in Azure. There is no parallel on-prem control plane to license, install, patch, or maintain alongside it.

03 One management view

Nerdio Manager for Enterprise treats Nutanix-hosted VMs the same as Azure VMs. Auto-scale, image management, FSLogix and policy workflows apply uniformly across both.



STEP 5 · THE INSIGHT TO REMEMBER

AVD is no longer a place.

*It is a service, and the infrastructure underneath is now **a choice you keep**, not one forced on you by the management plane.*



The 2,200-user industrial design scenario

● TODAY

A 2,200-user European industrial design firm runs CAD and 3D simulation tools on a fleet of legacy VDI desktops, anchored to its Frankfurt data center. Each project dataset is 80 to 400 GB. Pulling those datasets across the WAN to Azure adds minutes per session and breaks the user experience. Their Nutanix HCI cluster, on the other hand, already sits next to the data and the CFO has approved another three years of it.

2,200

USERS

80–400

GB PER PROJECT

WAN

LATENCY TAX

3 yr

HCI RUNWAY

● WITH AVD HYBRID ON NUTANIX

The team deploys AVD session hosts on the existing Nutanix Frankfurt cluster through Nerdio Manager for Enterprise. Datasets stay on the AHV cluster, sessions run next to the data, latency drops to LAN class. The Microsoft control plane handles identity, brokering, and policy. The existing Nutanix hardware investment keeps delivering value, with AVD as the standard end-user experience on top of it.



Same console

One Nerdio Manager across cloud and on-prem AVD hosts



Data on-prem

CAD datasets stay next to the session hosts that read them



HCI preserved

Existing Nutanix HCI hardware keeps delivering value, no forklift refresh

1 console

governs the on-prem AVD pool on Nutanix and the broader image, policy and FSLogix estate from a single Nerdio Manager interface

Take this further with Nerdio University

AVD Hybrid is a real architectural shift, not just a feature toggle. The fastest way to translate this carousel into working knowledge is the dedicated training, with more on the way as part of a wider learning path.

AVAILABLE NOW

AVD Hybrid Fundamentals

with Nerdio Manager for Enterprise and Nutanix

- How AVD Hybrid on Nutanix actually works under the hood
- The Microsoft, Nerdio, and Nutanix building blocks and how they connect
- Hybrid host pools, image management, and burst-to-cloud patterns

IN DEVELOPMENT

AVD Hybrid Foundational

the technical foundations course

- Deeper dive into the AHV layer, Nerdio Manager hooks, and Azure Arc
- Reference architectures for regulated and latency-sensitive workloads
- Day-2 operations: monitoring, scaling, and incident response across both worlds

PART OF

the **Nerdio Expert Learning Path** — more tracks, more depth, more hands-on. Full path details coming soon.

TAKE-AWAY

AVD has stopped being a place.
The infrastructure choice stays with you.

Find both courses, and what is coming next, on Nerdio University. Share this with one colleague stuck in a cloud-only or on-prem-only frame.

BAS VAN KAAM · PRINCIPAL LEARNER ARCHITECT AT NERDIO