



# NexaVM nDesk VDI

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**Seamless Desktop Experience, Secure and  
Efficient Digital Workspace**

**PART 1**  **Business Challenges**

**PART 2**  **NexaVM nDesk VDI Introduction**

**PART 3**  **VDI Value Summary**



Part: 01

# Business Challenges with Traditional Desktops

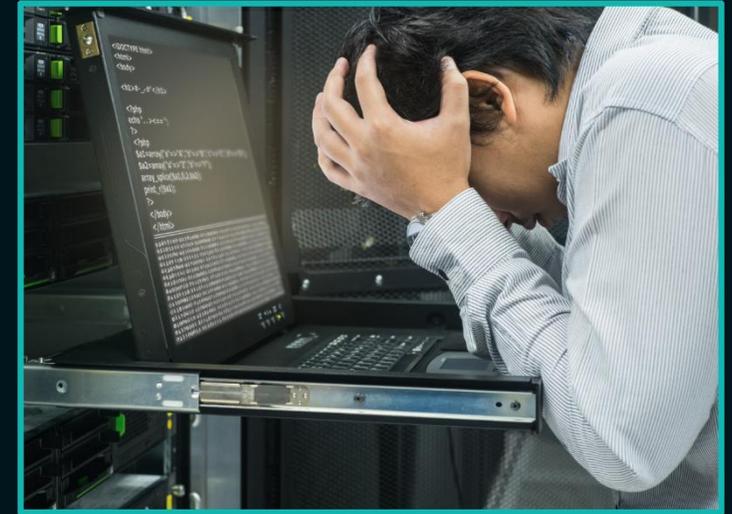
# Security is not Enough on Desktop Endpoints



**Users are most  
vulnerable assets**



**Data Leakage  
by Internal Users**

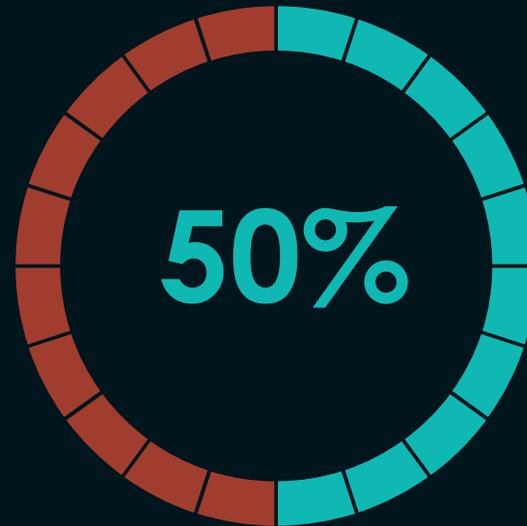


**Data Lost due to  
Disk Failure**

# Digital Transformation is Driving New Requirements



Difficulty in Keeping Data  
Consistent in different type of  
End User Devices



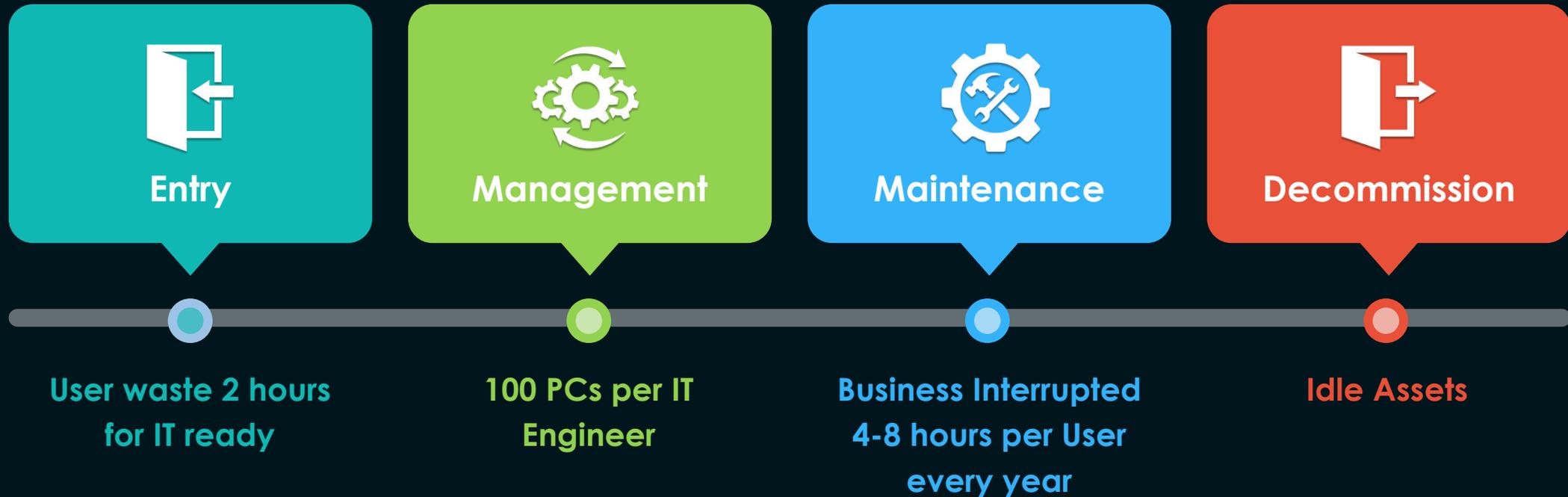
Almost half of the Users will Continue  
to Work From Home, after the  
COVID-19 Pandemic  
*-- Gartner*



Increasing Partners and  
Outsourcing, making temporary  
and secure access difficult

# Inefficient IT Operations & Management

- Hardware PC
- Environment Initialization
- Policy & Troubleshooting
- Software Management & Update
- Short Hardware Life Cycle
- Long Cycle Hardware Replacement
- Data Protection
- Assets Recycle



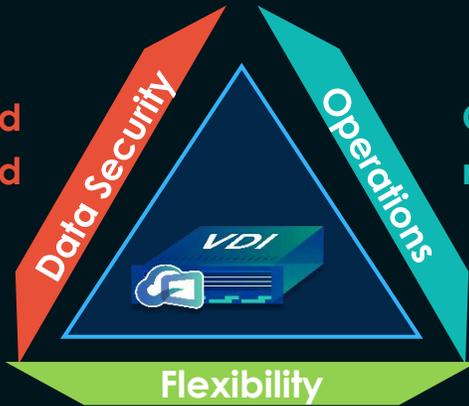


Part: 02

# Introduction to NexaVM nDesk Solution

# VDI is the Ideal Solution to these Challenges

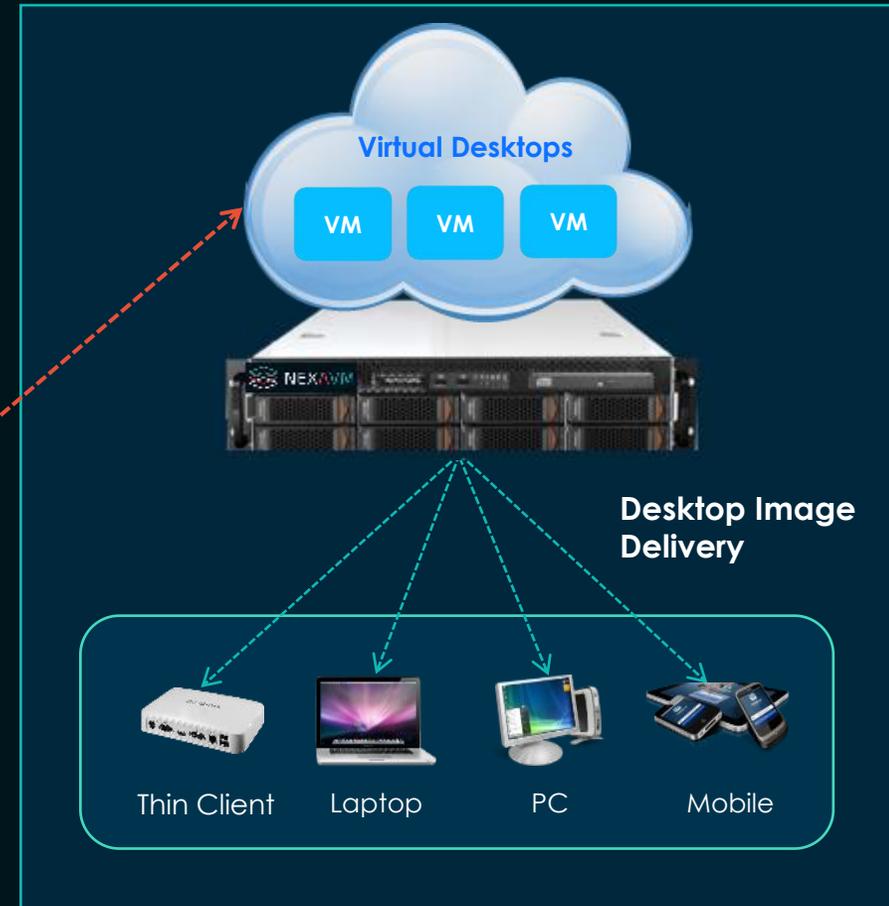
Data is stored and secured in the cloud



Centralized management

Scale on-demand Work from anywhere

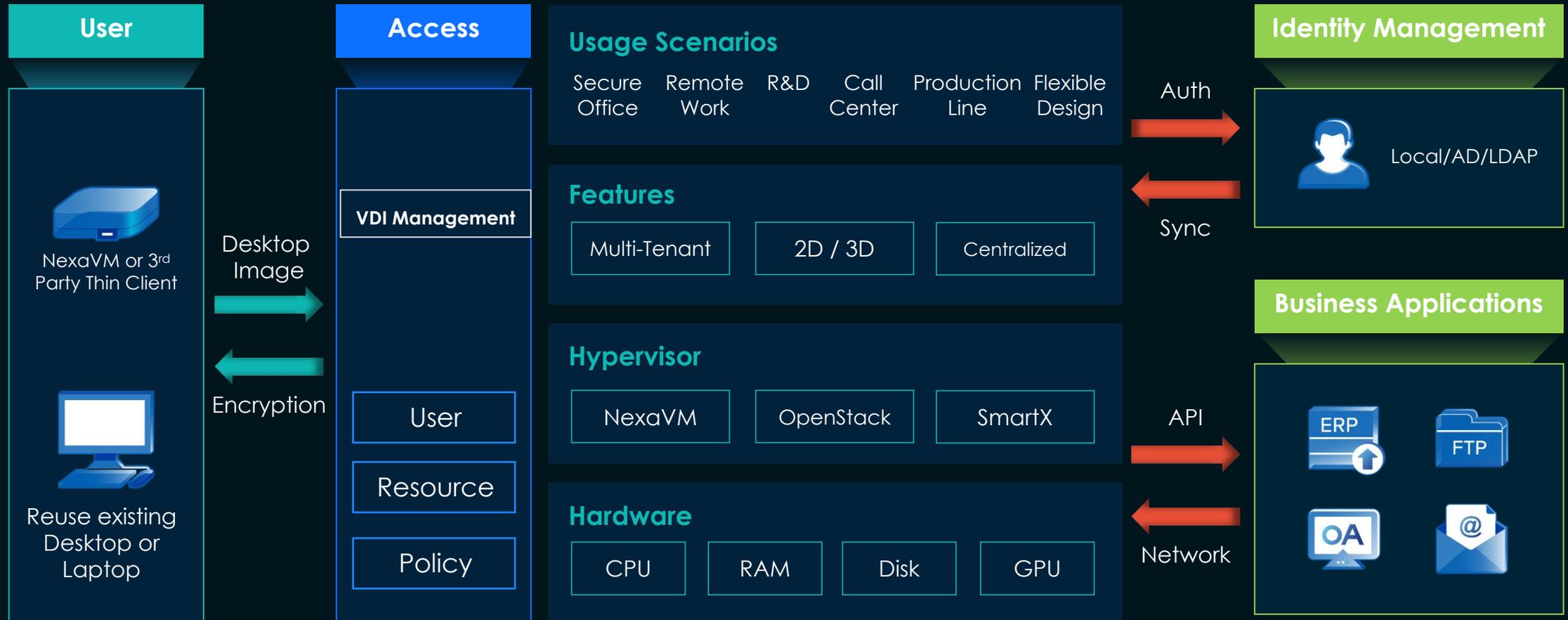
Desktop, applications, and data are migrated to cloud (data center)



# NexaVM nDesk | Architecture



Provides a one-stop secure, efficient, and resilient workspace solution  
For business transformation.



# VDI is Popular in Many Industrial Sectors

## General Enterprise



- Secure Office
- Remote Work
- Call Center
- R&D Department

## Education



- University Computer Lab
- E-Library

## Manufacturing



- Production Line
- Product Design

## BFSI



- Secure Office
- R&D Department
- Service Hall

## Government



- Secure Office
- Service Hall
- Remote Work

## Healthcare



- Doctor's Office
- Nurse Station
- Reception

# Feature Offerings of NexaVM nDesk Solution



## Data Security

- DLP Solution (Watermark, Peripheral Control)
- Desktop Backup
- Encrypted Transmission
- Disk Error Protection
- Centralized Data in HQ



## Efficiency Improvement

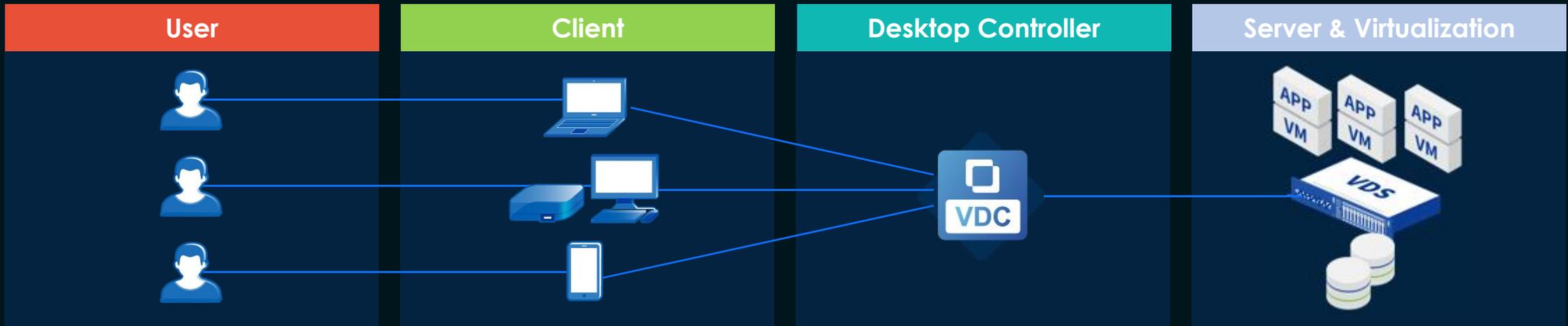
- Unified Management Solution for VDI Servers, Thin Client and VDI Software
- Standard Delivery Solution
- Desktop Management
- Multi-Tenancy



## Resilient Solution

- Elastic & Shared Solution
- Remote Work Solution
- Reutilize existing investment on PCs
- Temporary Work Solution
- 2D and 3D Solutions
- Lightweight Solution

# End-to-End Security Protection



### Security for Behavior

- Screen Watermark
- Anti-Screenshot
- Exported Document Audit
- Clipboard Control
- Peripheral Control
- Bandwidth Control for peripherals

### Access Security

- Endpoint Environment Check
- Various User Authentication
- Anti-Brute Force Attack
- Encrypted Tunnel from End Terminal to Virtual Desktop

### Network Security

- Secure and Encrypted Access
- Anti-MITM & Brute Force
- SD-WAN Gateway & Reverse Proxy
- Micro-Segmentation/ Security Groups

### Built-in Security

- Multiple Backup Copies
- Disaster Recovery
- Built-In WAF in Hypervisor
- Disk Signature
- Disk Encryption
- Captcha Authorization

# Unified VM Management to enhance IT Operations

Education Software  
Hospital System  
3D Design Software  
Office Apps

...



Derive Multiple VMs  
within Minutes

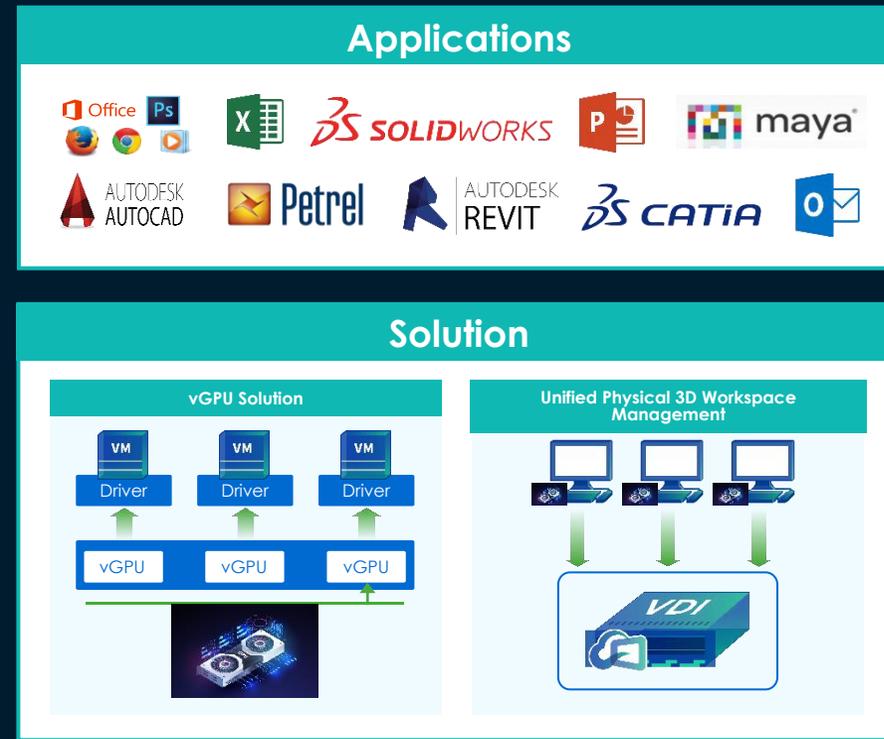
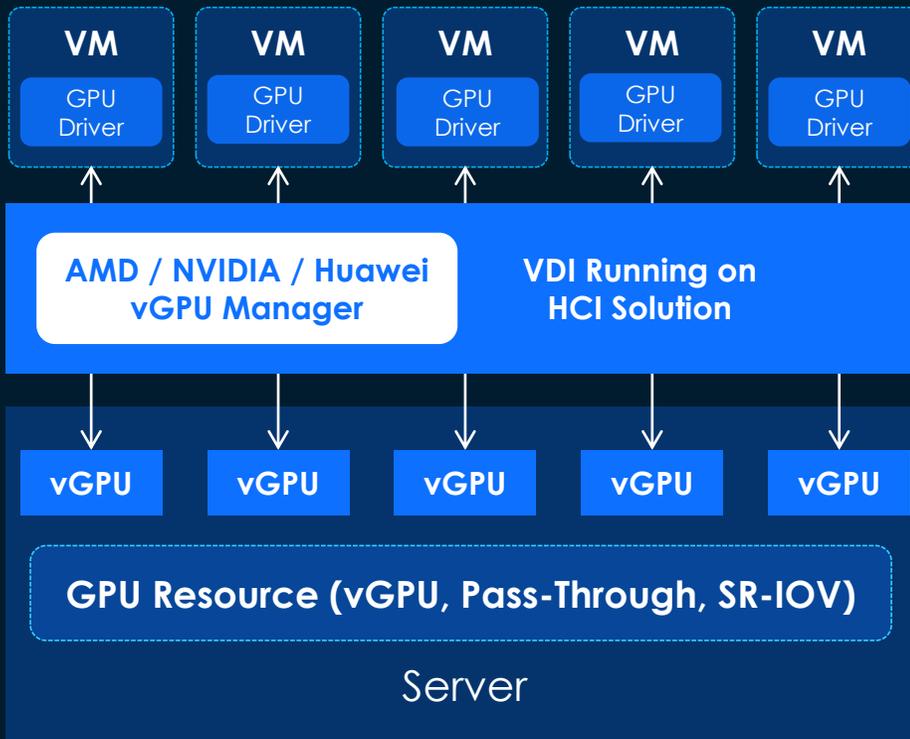


Cloned VMs  
for Users



# Convenient GPU Resource Distributed for 3D Desktops

Smooth



# Transmission Optimization Boost User Productivity



Lossless coding



High Quality

Up to 8K



High Resolution

2D 60 FPS 3D 144 FPS



High Frame Rate

## NexaVM xLink Protocol

Low Bandwidth

2D < 90Kbps

3D < 1.8Mbps

Low Interframe Space

14MS



4MS

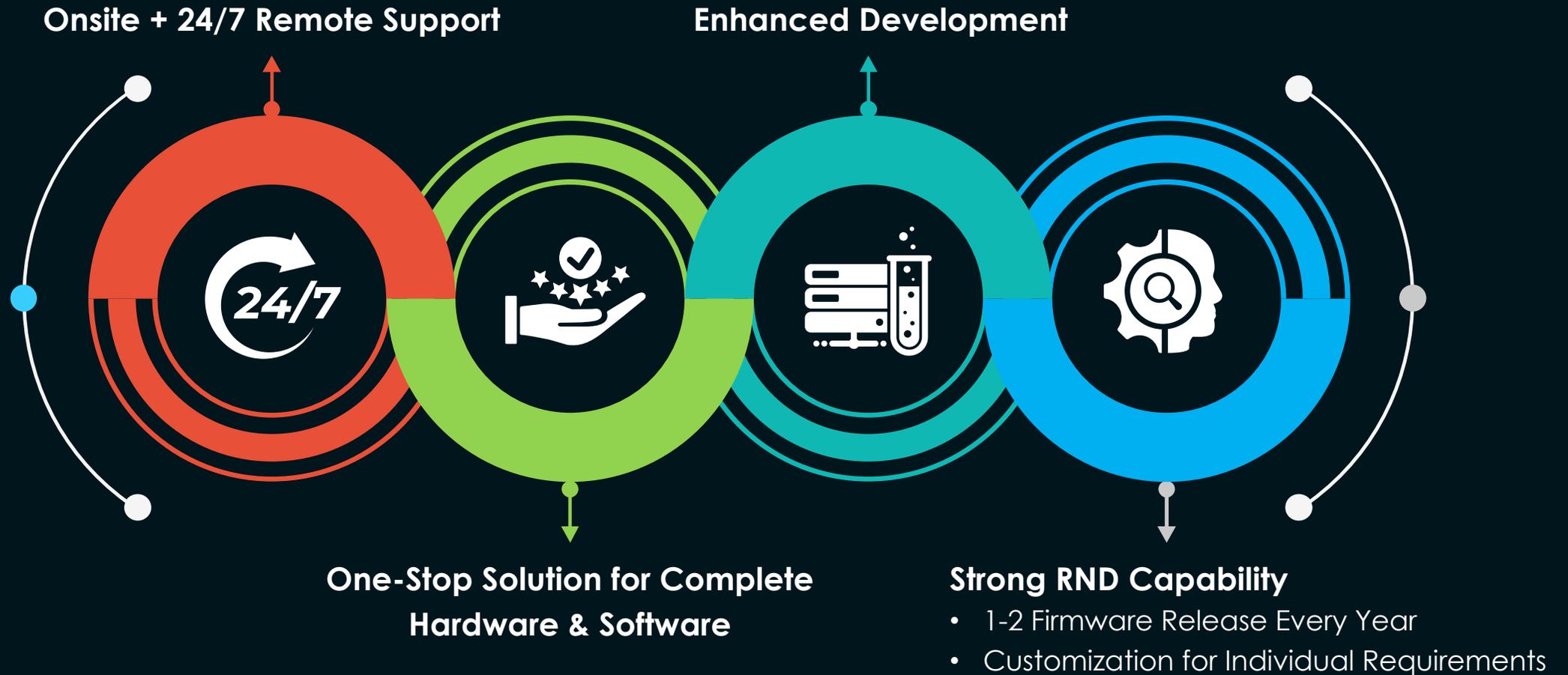
Low Cursor Lagging

56 PXs



18 PXs

# High Quality & Efficient Support & Services





# Part: 03

## VDI Value Summary

# Value Summary: VDI vs Traditional PC



Category	Item	NexaVM VDI	Traditional PC
Security	Data Storage	<ul style="list-style-type: none"> <li>In backend server</li> <li>Virtual storage cross server with 2-6 copies</li> <li>Disk encryption</li> </ul>	Local PC + RAID solution + Disk encryption solution
	DLP	Watermark, Anti-screenshot, USB Control, Exported File Audit	Integrate and Deploy 3 <sup>rd</sup> Party DLP solution...
	Network Security	<ul style="list-style-type: none"> <li>Distributed Firewall for Micro-Segmentation and Security Groups</li> <li>Centrally configured by IT Staff</li> </ul>	<ul style="list-style-type: none"> <li>System firewall</li> <li>Configure by user</li> </ul>
Resilient Work	Resource Sharing	Elastic computing, deploy on-demand	Fixed configuration
	Remote Work	Secure and smooth access from WAN	RDP Solution/ Remote Apps (Unsecure and sluggish)
	Mobile Work	Windows/MAC OS/Android/iPhone/Linux	Hard to use in mobile devices

# Value Summary: VDI vs Traditional PC



Category	Item	NexaVM VDI	Traditional PC
<b>Efficiency</b>	Deployment	Unified environment delivered centrally to multiple users within minutes.	Prepare and configure or Ghost one by one.
	Operation & Management	<ul style="list-style-type: none"> <li>• Unified management policy</li> <li>• Full life cycle application management</li> <li>• Remote support for center</li> </ul>	N/A or integrate with other solution
<b>Costs</b>	Deployment	<ul style="list-style-type: none"> <li>• Server + Endpoint Device</li> </ul>	Personal Computer (PC)
	IT Staff	<ul style="list-style-type: none"> <li>• 1 IT staff manage up to 500 users</li> </ul>	1 IT staff manage 100 users
	Electricity Consumption	Server: 600-1000W Thin Client: 20W	PC: 350W
	Deprecation Rate	5 Years	3 Years (Damaged by user, continuous work, non-standard environment)

# Value Brought by NexaVM nDesk VDI



Sample for a company with 500 users move from PC solution to VDI solution

Category	Values
IT Staff Costs	Save <b>3-4</b> Staffs costs
Electricity Consumption	Save <b>250,000</b> KW/Year (Each user save at least 250W/Hour, 8 hours/day, 5 days/week)
Data Breach Loss	Average save <b>4.44M</b> USD for 1 time successfully prevention (Data comes from third-party report)
Business Interruption or Waiting Time for Environment Loss	Business continuity save more than <b>2,000 hours</b> per years (Each user 4 hours/year)
Remote & Mobile Work	Increase productivity <b>20%-50%</b>

# Advantages Compared to Other Vendors

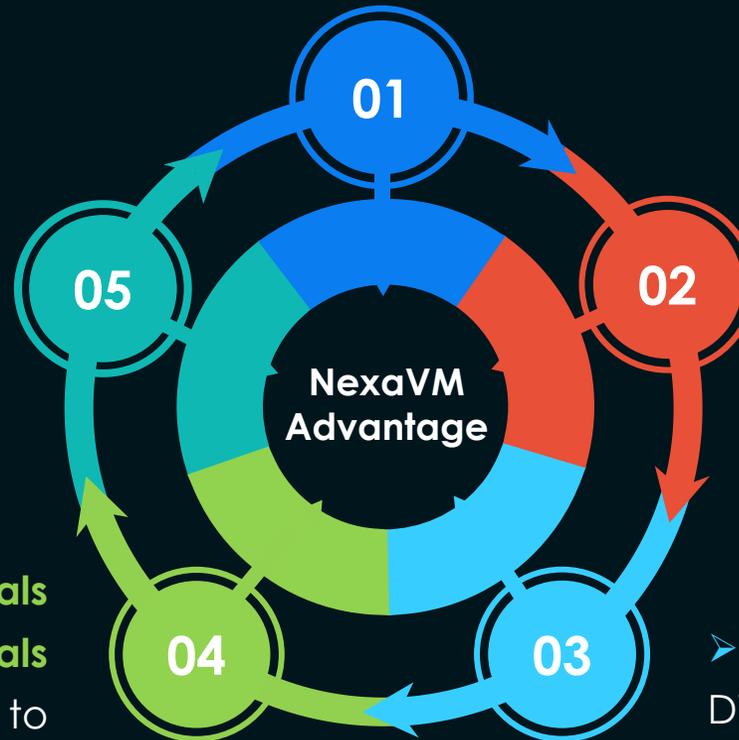


- **Simple architecture with fewer expenses**

(Easy deployment, operation, and management)

- **Better local support**
  - **Faster response**Local Team on Ground

- **Better compatibility for peripherals**
- **Faster support for new peripherals**
  - R&D working on it to improve compatibility



- **Stronger Multi-Tenancy**

Provide Desktop as a Service (DaaS)  
Model for Service Providers

- **Cost-effective**

Flexible Costing Perpetual or Subscription based, lowering the TCO

- **Better user experience**

Different advanced protocols for different network

# Digitalize your Workspace with NexaVM



## Experience

Online Demo  
Hands On



## Solution

Tell your Challenges to  
NexaVM Staff  
Consultants will provide  
the ideal solution



## POC

Testing on your  
environment to  
Experience the Solution



**Thank You!**