

Praim

Thin & Zero Client Solutions

Designed in Italy, valued Worldwide



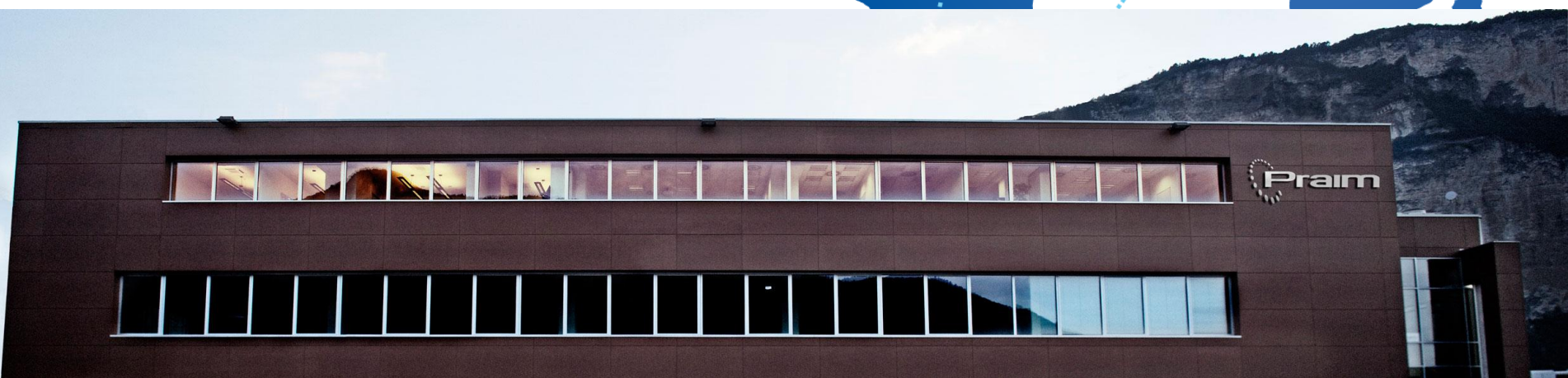
Who we are

Praim is a global vendor of Thin & Zero Client solutions and management software.

Praim offers a complete range of end point devices designed to offer a high performance access to centralized, virtualized and cloud infrastructures. Our devices are certified with the most important virtualization market players like Citrix, Microsoft, VMware and more...

We are an Italian technology company!

Our headquarter is located in Trento (Italy) and coordinates the two foreign offices in London (United Kingdom) and Madrid (Spain).



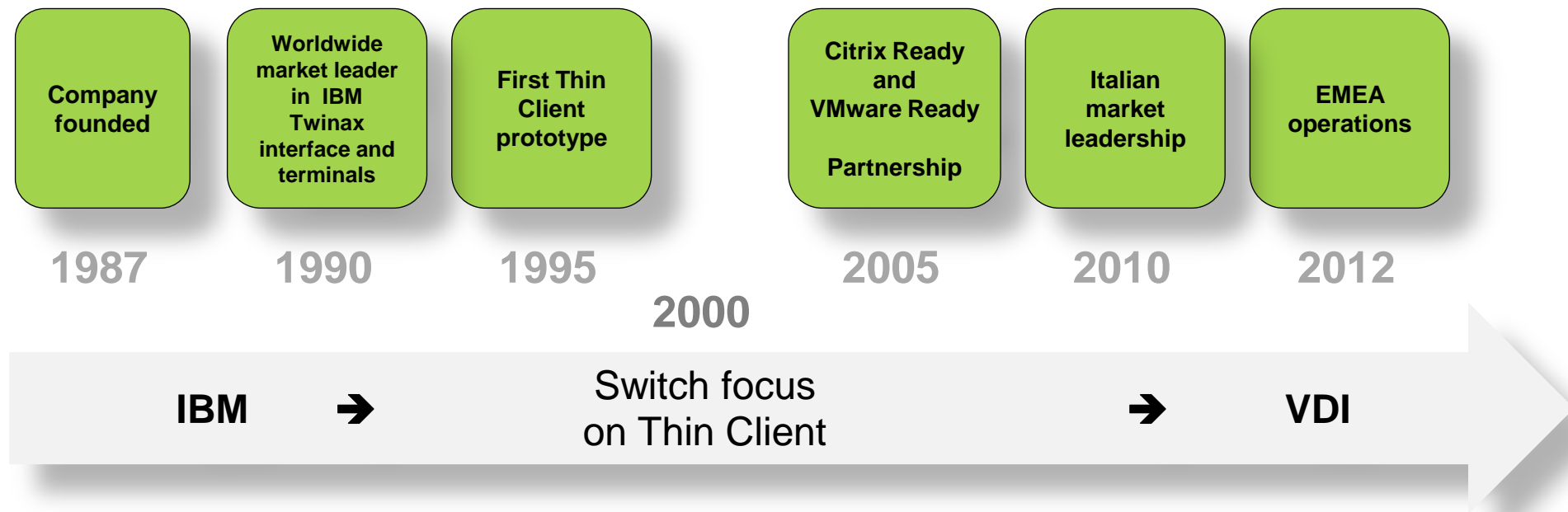
Company... at a glance

Praim was founded in 1987 in Trento.

With nearly 1 million user installations between North America and Europe, over the years the company has asserted itself as one of the worldwide major player in the Terminal, Display Stations and Printing Solutions markets for IBM Midrange and Mainframe environments.

Praim throughout the years has carefully followed and understood the ever-changing market needs successfully entering the Thin Client market and confirming its technology and quality among the top-leading positions.

Since 2010 Praim is the Italian Thin Client market leader



Some of our success stories...

■ Insurance

- Generali Group
- Rsa

■ Telco

- Telecom Italia
- Wind
- Vodafone
- H3G

■ Bank & Finance

- Unicredit Group
- IWBank
- ING Direct

■ Automotive

- Ferrari

■ Retail

- D&G
- Auchan
- Mediamarket

■ Manufacturing

- Luxottica
- Beretta
- Same Deutz-Fahr

■ Healthcare & Pharma

- NHS – London
- Hospital of Verona
- Angelini Group
- Sanofi Anventis

■ Public Government

- Esercito italiano
- Istituto Poligrafico Zecca di Stato

■ Education

- Cambridge School
- University of East London
- University of Pavia
- University of Siena

■ And more...



Our partnerships

Praim means co-operation, reliability and helpfulness.

Praim's relationship with its clients and technology partners is based on co-operation, trust, reliability and helpfulness.

Synergistic working stands for ensuring a concrete and suitable support to the needs of a fast-changing world: a cooperating to find the competitive strength to face the future.



Our products

Our mission is providing customers with state of the art and economically competitive solutions, in line with the latest trends and innovations available in the Information Technology market, constantly improving the quality of the service provided and the value added of the solutions proposed .



Praim Thin & Zero clients mean...

■ Reliability

There are no moving parts such as hard disk drives and fans, extending **thin client's lifetime up to 5 times longer than a PC**, also in industrial environments .

■ Green and low-cost

A thin client consumes between 8 and 13 W, with great benefits on energy consumption and CO2 consumption. **The average saving is roughly 60 Euro per seat / year**, compared to a PC.

■ Virus free

Thin clients avoid the possibility to write information on a local memory and are therefore **immune to any type of virus and malware..**

■ Data security compliant

No local disks to store business data and all the necessary **peripherals can be monitored and regulated by centralized policies.**

■ Architecture independent

No matter which architecture is chosen, whether is a **cloud, web based, server based or virtualized architecture, thin clients allow secure and controlled access** to corporate resources.

■ Easy handling

The centralized management software allows full endpoints control from a single console. IT managers can centrally work on terminals performing configuration, upgrade, repair and assistance without moving from their office.



Available operating systems

■ Praim ThinOX

- **Powerful, thin, secure, and centrally managed**
- Praim ThinOX is a Thin Client operating system developed by Praim. It is a Linux-based OS specifically designed to deliver an excellent thin client solution for users and for administrators. It is available on all Praim thin client models.
- ThinOX is certified with most popular infrastructure vendors, including Citrix XenApp, XenDesktop, Microsoft RDS, and VMware Horizon.

Praim
ThinOX
Linux Embedded



■ Windows Embedded

- **Praim Thin Client solutions are available with Microsoft Windows Embedded operating systems:**
- **Windows XPe**
Microsoft Windows XP Embedded is the successor to Windows NT® Embedded 4.0. Based on Windows XP Professional, it helps to offer our customers reliable and feature-rich devices.
- **Windows Embedded Standard 7**
Microsoft Windows Embedded Standard evolution of Windows XP Embedded, gives customers all the power, familiarity and reliability of the Windows operating system in a very small footprint. Windows Embedded Standard offers support for thousands drivers and services.
- **Windows Embedded 8 Standard**
Microsoft Windows Embedded 8 Standard is the evolution of WES 7. It is available as 64 bit software platform. Windows Embedded 8 Standard offers support for thousands drivers and new services.



Citrix Ready by ThinOX

Praim Thin & Zero Client solutions are Citrix Ready certified and integrates:

- **HDX USB Devices**
- **HDX 2D Graphics – Server Rendered**
- **HDX Voice – Generic Chat & Softphone Support**
- **HDX Video Playback – Server Rendered Flash**
- **HDX Video Playback – Server Rendered Windows Media**
- **Universal Printer Driver**
- **Desktop Composition Redirection**

- **HDX Multi Monitor Support**
- **HDX Realtime Audio (VoIP)**
- **HDX Mediasream Flash Redirection**
- **HDX Mediasream Windows Media Redirection**
- **HDX Realtime Webcam compression**
- **HDX P2P Video Conferencing with MS Lync/Cisco UCS**
- **HDX Smartcard Support**
- **HDX 3D Pro**



VMware Ready

As partner of VMware Horizon Thin Client program, Praim ensures that their Thin & Zero Clients are compatible with Horizon solutions.

Customers have the assurance that products which have earned the VMware Ready for End-User Computing logo will work effectively in their virtualized environment.



Microsoft RDS and RemoteFX

Praim Thin & Zero Clients based on ThinOX or Windows Embedded operating system, are ready to support the features offered by Microsoft RDP protocol and RemoteFX features.

Praim Windows Embedded Thin Clients are available with:

- Windows Xpe SP2
- Windows Embedded Standard 7
- Windows Embedded 8 Standard 64 bit



Praim Thin & Zero clients: product range

		Hardware Series							
Operating Systems		Ino Soc	Compact Dual Core	Ultra Dual Core	Atomino Dual Core	Atomino Quad Core	Ultra Quad Core	Duetto Quad Core	P Series
PXE			C1000	U1000	A1000	A1004	U1004	D1004	
ThinOX		<i>New</i> I9010	C9010	U9050	A9050	<i>New</i> A9054	<i>New</i> U9054	<i>New</i> D9054	
		I9020 *	C9050	U9200					
		I9030 *	C9200						
		I9050 *							
XPe SP3			C9400						
WES7 SP1			C9700	U9700	A9700	A9074	U9074	D9074	
WES8			C9080			A9084	U9084	D9084	
Tera2									P9002e <i>New</i> P9004 PH002 PH004

* End Of Production- EOP



Ino SoC Series



Main characteristics

- System On Chip hardware architecture
- TI DM8148 1GHz ARM processor
- Dual DVI native monitor support
- Power consumption lo 8 Watt
- Power over Ethernet (PoE) factory option New
- Optimization of Citrix H.264 Enhanced Supercodec and Citrix HDX 3D Pro support
- VESA mounting on the back of the monitor

The model with the best price performance rate and ultra optimized for HDX Citrix

End user price from € 205 to € 255

MODELS

■ I9010	ThinOX	Citrix HDX Zero Client with H.264 acceleration
■ I9020 *	ThinOX	Vmware Horizon View Zero Client
■ I9030 *	ThinOX	Microsoft RDP – RemoteFX Zero Client
■ I9050 *	ThinOX	Multiprotocol Thin & Zero Client

* End of Production - EOP



Compact Dual Core Series

Best seller
Wide range of
models with ThinOX
MS WES7 - WES8
operating system

End user price
from € 240 to € 410

Main characteristics

- 1GHz VIA Eden X2 Dual Core processor
- Dual DVI native monitor support
- Power consumption lower than 13 Watt
- Optional native serial port
- USB port in protected slot
- Keyboard and mouse PS2 support
- VESA mounting on the back of the monitor

MODELS

■ C1000	PXE	Zero Flash
■ C9010	ThinOX	Zero Client
■ C9050	ThinOX	Thin Client
■ C9200	ThinOX	Thin Client
■ C9400	Xpe	Thin Client
■ C9700	WES7	Thin Client
■ C9080	WES8	Thin Client



Ultra Dual Core Series



Main characteristics

- Intel Atom 1.86 GHz Dual Core processor
- Dual DVI native monitor support
- Power consumption lower than 12 Watt
- Native serial and parallel ports
- 2 USB 3.0 and 4 USB 2.0 ports
- Keyboard and mouse PS2 support
- PCI expansion slot

Extended connectivity
high performance for the WES7 and ThinOX/Citrix
Gradually replaced by the new Quad Core Series

End user price
from € 308 to € 449



MODELS

■ U1000	PXE	Zero Flash
■ U9050	ThinOX	Thin Client
■ U9200	ThinOX	Thin Client
■ U9700	WES7	Thin Client



Atomino Dual Core Series

Compact size
High performance
for the model WES7
and ThinOX/Citrix
Gradually replaced by the
new Quad Core Series

End user price
From € 288 to € 431

Main characteristics

- Intel Atom 1,86 Ghz Dual Core processor
- Dual DVI native monitor support
- Power consumption lower than 10 Watt
- 5 USB ports, 1 in protected slot
- Keyboard and mouse PS2 support
- VESA mounting on the back of the monitor



CITRIX
READY

HDX Verified

HDX

vmware
READY

PCoIP

Microsoft
RemoteFX

Enabled



MODELS

- | | | |
|---------|--------|-------------|
| ■ A1000 | PXE | Zero Flash |
| ■ A9050 | ThinOX | Thin Client |
| ■ A9700 | WES7 | Thin Client |



Atomino Quad Core Series



Main characteristics

- INTEL Celeron J1900 Quad Core 2 GHz SoC
- Native Dual DVI Monitor
- 7 Watt
- 5 USB 2.0 + 1 USB 3.0
- 1 Secure USB 2.0 port slot

Compact size
4 cores Intel 2GHz
TOP performances
Intel Gen 7 graphic
ThinOX
MS WES7 – WES8

End user price
from € 320 a € 450

MODELS

■ A1004	PXE	Zero Flash
■ A9054 <i>New</i>	ThinOX	Thin Client
■ A9074	WES7	Thin Client
■ A9084	WES8	Thin Client



Ultra Quad Core Series



Main characteristics

- INTEL Celeron J1900 Quad Core 2 GHz SoC
- Dual Monitor DVI + DP Port
- 8.5 Watt
- RS-232 serial and LPT ports
- 2 USB 2.0 front + 2 USB 2.0 rear + 2 USB 3.0 Rear
- PS2 for keyboard & mouse

Extended
connectivity
4 cores Intel 2GHz
TOP performances
Intel Gen 7 graphic
ThinOX
MS WES7 – WES8

End user price
From € 340 to € 475



MODELS

■ U1004	PXE	Zero Flash
■ U9054 <i>New</i>	ThinOX	Thin Client
■ U9074	WES7	Thin Client
■ U9084	WES8	Thin Client



Duetto Quad Core Series

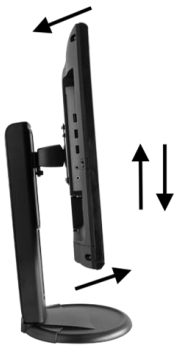


Main characteristics

- Integrated Monitor 21,5" TFT with LED backlight
- Ergonomic adjustable Monitor
- INTEL Celeron J1900 Quad Core 2 GHz SoC
- 1 DVI-I port + 1 VGA (OUT)
- Total energy consumption 27 Watt
- 2 USB 2.0 + 1 USB 3.0 + 1 USB 2.0

All In One 21.5"
4 cores Intel 2GHz
TOP performances
Intel Gen 7 graphic
ThinOX
MS WES7 – WES8

End user price from
€ 510 to € 645



MODELS

■ D1004	PXE	Zero Flash
■ D9054 New	ThinOX	All In One Thin Client
■ D9074	WES7	All In One Thin Client
■ D9084	WES8	All In One Thin Client



P Series



Main characteristics

- New smaller chassis for P9002E model
- Power over Ethernet (POE) factory option
- Teradici Tera2 processor
- Native Dual o Quad Monitor DVI display support
- Zero Client & Host Card solution
- Teradici PCoIP
- VESA mounting

Teradici processor
PCoIP/HW protocol
Designed for
Vmware Horizon (view)
and to remote
CAD/3D workstations

End user price from
€ 310 to € 635

MODELS

■ P9002e	Tera 2	Vmware Horizon View	PCoIP Zero Client Dual Monitor
■ P9004	Tera 2	Vmware Horizon View	PCoIP Zero Client Quad Monitor
■ PH002	Tera 2	PCoIP Host Card	Dual Monitor
■ PH004	Tera 2	PCoIP Host Card	Quad Monitor



User Experience Matrix

<http://www.praim.com/int/products/manuals/user-experience-matrix/>

User Experience Matrix for Citrix, VMware Horizon, Microsoft RDP/RFX clients

How to read the matrix

Operating systems

Device types

Models

Compare models

* Add operating systems to compare

* Add device types to compare

* Add models to compare

	Citrix XenDesktop 7.x	Citrix XenApp 6.x	Microsoft RDS	Remote FX	VMware Horizon	Web Browser
Top Performance	12 I9010 A9074 A9084 U9074 U9084 D9074 D9084	A9074 A9084 U9074 U9084 D9074 D9084			P9002 P9004	A9074 U9074 D9074
	11			A9074 U9074 D9074	A9074 A9084 U9074 U9084 D9074 D9084	A9084 U9084 D9084
	10 I9050 U9050 U9200 U9700 A9050 A9700	I9010 I9050	A9074 U9074 D9074	C9700 U9050 U9200 A9050	U9050 U9200 U9700 A9050 A9700	U9700 A9700
High End	9 C9700 C9080	U9050 U9200 U9700 A9050 A9700	U9700 A9700 A9084 U9084 D9084	U9700 A9700 A9084 U9084 D9084		C9700 C9080 U9050 U9200 A9050
	8		C9400 C9700 C9080	C9080	C9010 C9050 C9200 C9400 C9700 C9080	
	7 C9010 C9050 C9200	C9010 C9050 C9200 C9700 C9080	C9010 C9050 C9200			
Advanced	6 C9400	C9400				C9050 C9200
	5				I9050	
	4		U9050 U9200 A9050		I9020	
Basic	3		I9030 I9050			I9050
	2					
	1					



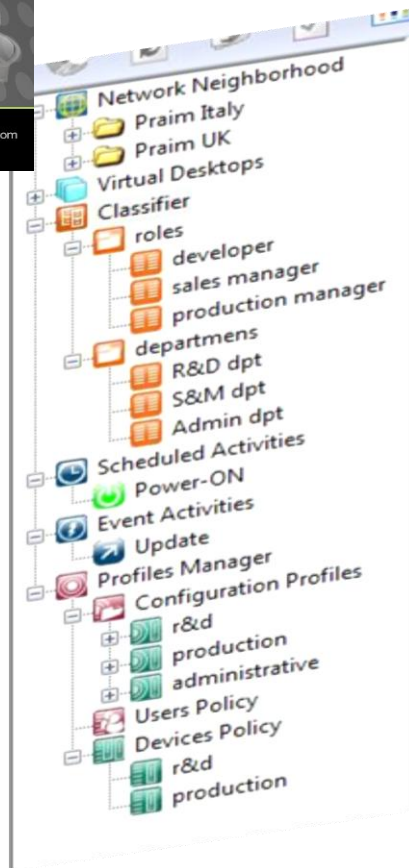
ThinMan software console



- **ThinMan is a software tool** that can be installed on any Desktop PC, Server, Terminal Server of the Windows family. ThinMan allows to search for all the Praim network devices by showing them in tree views and organizing groups such as departments and remote location.
- In a Thin Client deployment, the Remote Management tool assumes a strategic rule and it is one of the main elements to reduce the TCO.
- Tool that plays a key role in the reduction of operating costs.
- Element that differentiates the solution Praim.
- Allows to perform asset management, asset inventory and helpdesk, towards all the Thin & Zero Client Praim range.
- Developed to simply manage small or enterprise infrastructures up to several thousands of Thin Client EndPoints.
- Together with TCe-VDA and TCe-WSC integrates the management of PC EndPoints or Virtual Desktops.



ThinMan Enterprise & Platinum



- User and Device profile editor
- Classifier manager
- Profile Device policy View status
- User Device policy View status
- Date and time policy status
- Filter for Groups with AD ACL
- Scheduled delivery messages



Technology integration & supports

- Imprivata
- Smart Card Support
- Biometric signature
- Emmedi ScanRead VDI



ThinOX & Imprivata OneSign

All Praim ThinOX thin clients natively support the Imprivata OneSign ProveID™ WebAPI agent.

This enables Imprivata OneSign users to authenticate securely with a simple tap of an ID proximity badge or traditional Smart Card.



- No Click Access TM Ready
- All ThinOX Thin Client
- Allows operators roaming
- Secure, Easy and Fast access
- Ideal for healthcare operators
- No Click, 5 seconds login



SmartCard Support

Praim
ThinOX
Linux Embedded



- **Local supported Smart Card**
 - eToken Pro Safenet (token/smart card)
 - Incard CNS
- **Remote Smart Card tested**
(in general those supported by Windows)
 - eToken Pro Safenet (token/smart card)
 - Incard CNS (Infocamere, Aruba Key, SIS, BusinessKey)
 - Gemalto
 - Athena
 - Actalis
 - ASECard Crypto

CITRIX
READY

HDX

vmware
READY



Biometric signature

Praim
ThinOX
Linux Embedded



- Praim could fully support biometric signature tablet and several different signature solution, creating a perfect bank & finance workstation.
- Thanks to the collaboration with several different tech partner, Praim ThinOX could fully support the following solutions:

- **Euronovate EnSoft core and signature pads**
- **Xzizmo E-Sign products**
- **Wacom signature pads**
- **PRB Safe Identity**



Emmedi ScanRead VDI



- **Optimized thin client solutions to manage A4 scanners and checks scanners in a Virtual Desktop infrastructure.**
- The integration between Praim ThinOX technology and Emmedi ScanRead VDI and Twain VDI allow to create endpoint location in Citrix and VMware virtual an endpoint environment that reduces the time to read and transfer the image acquisitions from USB scanners to the virtual desktops.
- Designed for environments bank, this solution allows you to combine the benefits of adopting virtual desktop and thin client architecture without sacrificing the speed of a typical workstation in the treatment and processing of digital scans.

Pram ThinOX Client with scanner

Virtual Desktop Farm



Thanks

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