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What's New in Feature Pack 3 for XenApp and XenDesktop 7.6

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XenApp & XenDesktop 7.6

Feature Pack 1

- SmartAuditor session recording
- Enhanced XenServer 6.5 performance
- Optimization for Lync 2013 on Windows and Linux
- Common Criteria and FIPS-120 certification

Feature Pack 2

- New Receiver for universal app access
- Linux Virtual Desktop
- HDX with Framehawk for amazing mobile performance
- Skype for Business support
- Citrix X1 Mouse for unmatched Windows experience on iOS

Feature Pack 3

- Windows 10 VDA
- Win10 compatibility with AppDNA
- Windows 10 Receiver
- User experience templates
- Next generation Thinwire
- Jailbroken device detection
- Universal Print Server
- Drawing/Signature Tablets
- Faster smartcard performance

Q1

Q2

Q3

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What's New in 7.6 Feature Pack 3!

- **Windows 10 support**

- Enhanced HDX Thinwire "Plus"

- Improved tablet drawing and signature devices over the WAN

- Faster SmartCard login performance

- Universal Print Server for Windows Server 2012

- Linux VDA

- Video fallback prevention

- Updated Receivers (iOS, HTML5, Windows)

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Accelerate App Migration to Windows 10

AppDNA 7.6.5

- Windows 10:
  - Application compatibility reports
  - Remediation recommendations
  - Lifecycle management

- Microsoft Edge (Web Browser):
  - Application compatibility reports
  - Remediation recommendations
  - Lifecycle management
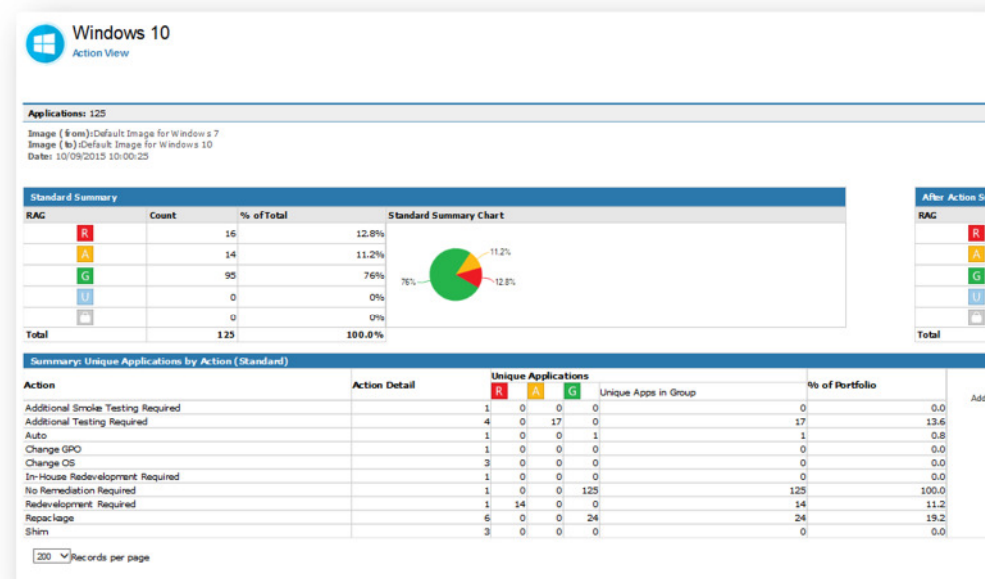
Feature Compatibility

Feature	Server VDA			Workstation (Desktop) VDA		
	2008R2	2012	2012R2	Windows 7	Windows 8.x	Windows 10
Next Generation Thinwire	N/A	✓	✓	N/A	✓	✓
Windows 10 Experience (non-3D)	N/A	N/A	N/A	N/A	N/A	✓
Signature / Drawing Tablets (Wacom)	✓	✓	✓	✓	✓	✓
Expedite SmartCard Logins	✓	✓	✓	✓	✓	✓
Universal Print Server	*	N/A	✓	N/A	N/A	N/A
Framehawk integration with VDA	✓	✓	✓	✓	✓	✓
Flash & WMV redirection (Video Fallback Prevention Policy)	✓	✓	✓	✓	✓	✓

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Embrace any device and operating system

New! Citrix Receivers

- Bidirectional audio and webcam
- 16-bit color depth for bandwidth efficiency
- Printing UX enhancements

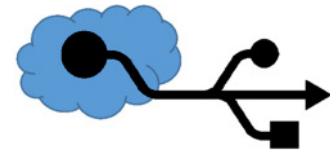- 16-bit color depth for bandwidth efficiency
- HTML5 Receiver as SDK

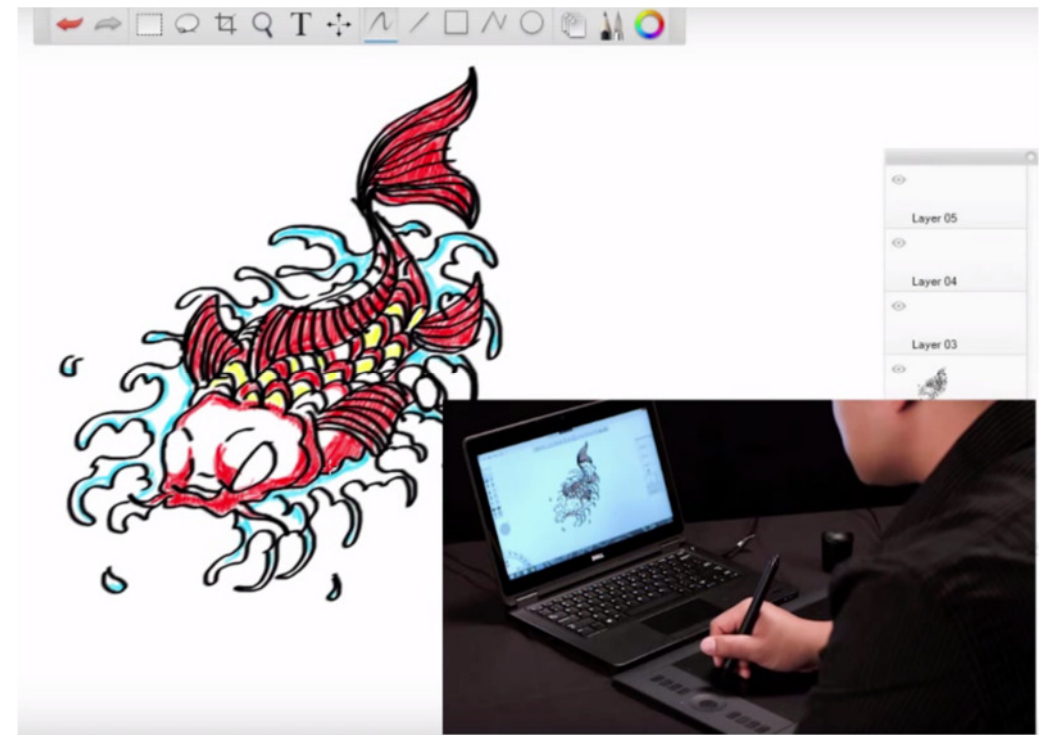- Windows 10 support
- Framehawk support

- iOS 9 support
- Jailbreak detection
- Framehawk support

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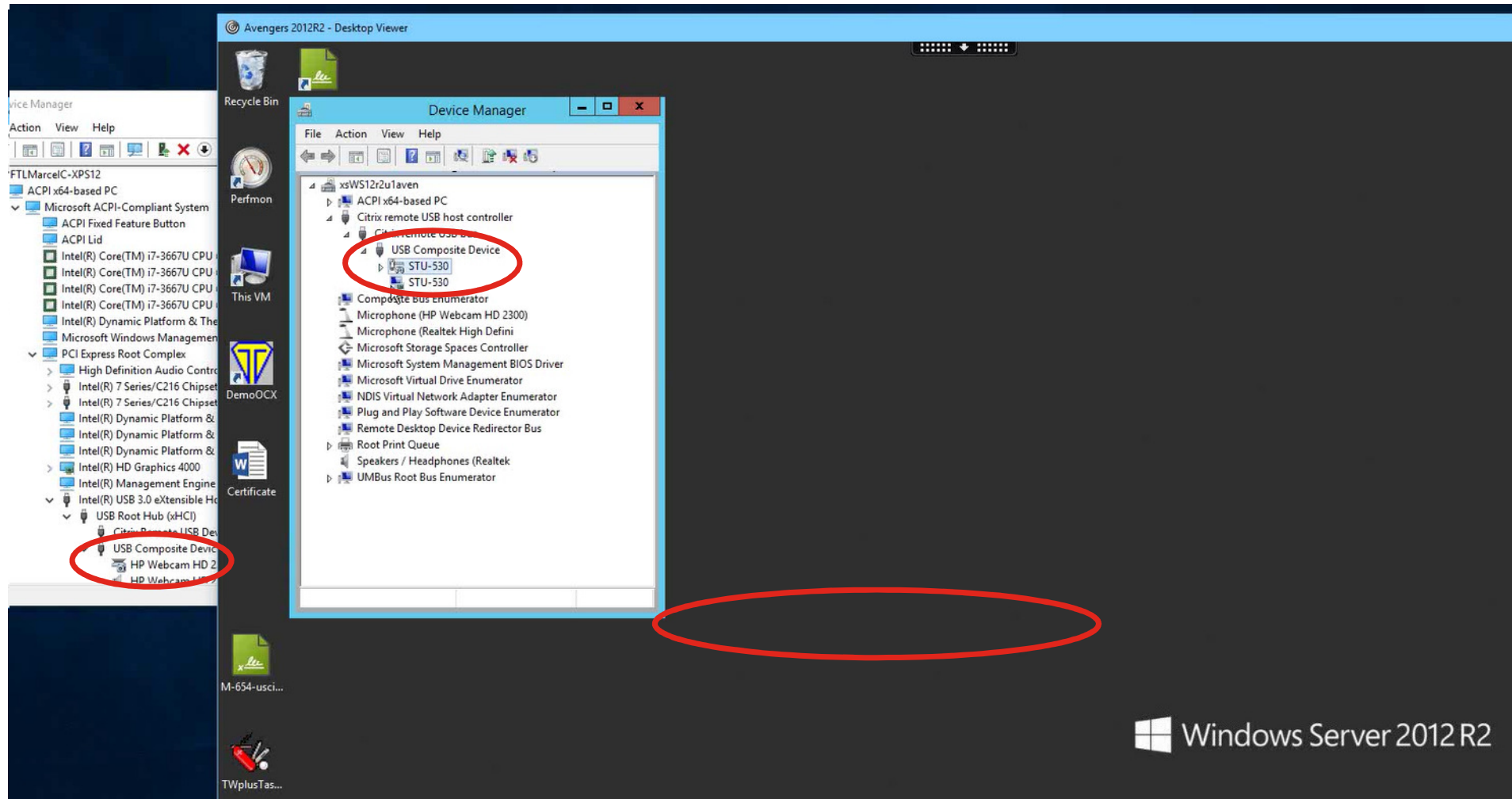# USB Redirection to Cloud for artists, signing-authorities

Enabling a paperless, virtual workplace with drawing tablets and signature pads

- Driverless endpoint; one-click redirection of USB input device to cloud

- Two new HDX Policy controls

- "Capture Mode"
  - Perfect for signature devices

- "Interactive Mode"
  - Perfect for drawing devices

USB Redirection

Digitalized & digital signature in a PDF file

HDX modes - reintroduced

75%

User density
per Server

HDX
Default

User
Experience

Thinwire
Compatibility Mode

Thinwire
Default Mode

Project Snowball

Thinwire Plus

Thinwire+

Enhanced Compatibility Mode
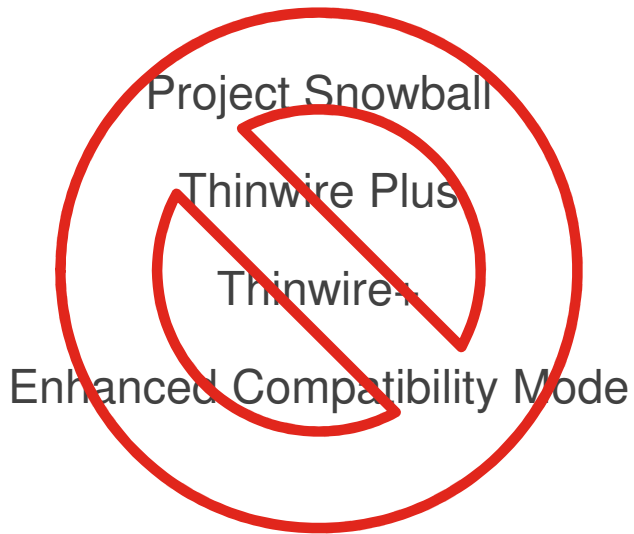
"Thinwire Compatibility Mode"

Use video codec for compression

Applies to: Virtual Delivery Agent: 7.6 Server OS, 7.6 Desktop OS

Value: Do not use video codec ▼

☐ Use default value: Use video codec when available

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New User Policy Templates

Policy Templates – summarized

Template name	Very High Def. UX	High Server Scalability		Optimized for WAN	
Bandwidth					
Overall session bandwidth limit				0 Note: simply to expose the setting	
Graphics					
Use video codec for compression	Use when available	Do not use / Legacy		Do not use / Legacy	
Target frame rate	30 (min 10)	------------------------------------ 16 (min 8) -----------------------------			
Visual Quality	High	Medium		Low	
Color depth for simple graphics	--------------------------- 24bpp ---------------------------------			16bpp	
Desktop UI					
Desktop Wallpaper	Allowed	Prohibited		Prohibited	
View window contents while dragging	Allowed	Allowed	Prohibited	Allowed	Prohibited
Dynamic windows preview	Enabled			Disabled	
Menu animations	Allowed	Prohibited		Prohibited	
Multimedia					
Optimize (transcode) RAVE		Prohibited		Allowed	
Limit video Quality				Maximum 480p	
Windows/flash media fallback	Allow server rendered	Play only on client			
Audio					
Audio Quality	High – high definition audio	Medium-Optimized for speech		Low—for low speed connections	
Printing					
Auto-create client printers	Auto-create all client printers	Default printer only		Default printer only	
Direct connections to print servers	Enabled			Disabled	
Universal printer driver usage (UPD)	if requested driver not available	Use universal printing only		Use universal printing only	
Universal printing print quality limit	No Limit			Medium Resolution (600 DPI)	
Universal Printing Optimization	ImageCompression=BestQuality	ImageCompression=StandardQuality		ImageCompression=ReducedQuality	
File Redirection					
Use Asynchronous writes	Disabled			Enabled	

What HDX graphics mode can be used?

	Win 7	Win 10 W2K12R2	W2K8R2
Highly graphical environments	Thinwire-H.264 / DCR*	Thinwire-H.264	Thinwire-H.264
Task workers Older clients	Legacy Mode	Thinwire Compatibility Mode	Legacy Mode
Challenging mobile scenarios	Framehawk*	Framehawk*	Framehawk*

*use DCR and Framehawk only when available bandwidth is plenty

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7.6.300 VDA with Framehawk technology integrated

- New Framehawk technology **integrated into HDX Broadcast**
  - Extend XenDesktop and XenApp usage to unpredictable networks

- Citrix Receiver for Windows and iOS
  - Additional Citrix Receivers to follow

- Compatibility with Director, CloudBridge, NetScaler HDX Insight

- NetScaler support (requires 11.0-62.10 build)

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2 key scenarios for Framehawk

1. Mobile workers on broadband wireless
   – Spectral interference is common, leading to packet loss
   – Factories, Home Workers, Coffee Shops

2. Offshore workers
   – The farther the users are from the data center, the more likely there is packet loss along the way
   – Latency amplifies the impact of packet loss
   – Remote Call Centers, Oil Rigs, Aid Workers

If a customer is having in-session user experience issues with Thinwire then they are a candidate for Framehawk provided that they have sufficient network bandwidth (ideally 4-5 Mbps base bandwidth plus 100-150 Kbps per concurrent user)

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Linux Virtual Desktop 1.1

Expand the use case, Enable PoC

- VDI dedicated desktop
  – (1.0 was XenApp-Like)

- Multi-monitor

- RHEL7/SLE 12 support

- Centrify (Domain join)

- KDE and QT based app

- Internationalization

- Double Hop Support w/Receiver 13.2.1

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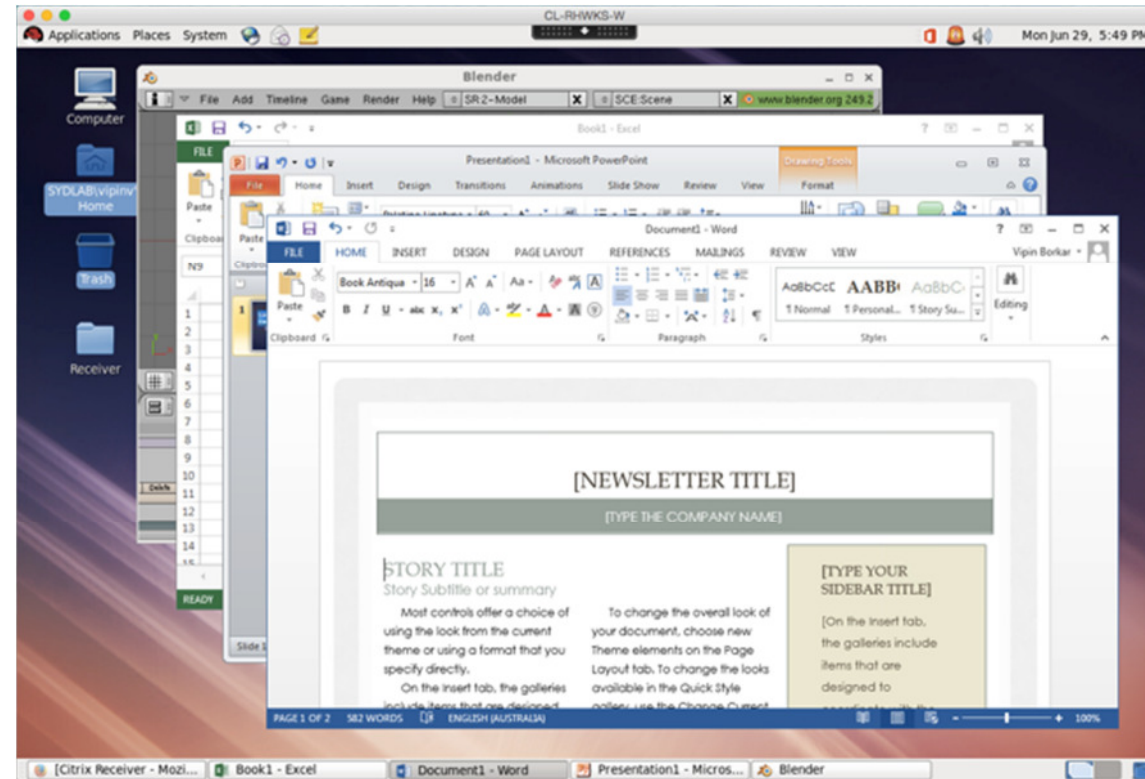
Seamless printing from any device

Windows Server 2012 R2 Universal Print Server & Support for Windows 10

- *50% - 80% increase in scalability*
  - *up to 100 print jobs/minute*
  - *depending on document content type*

- Printing metrics and counters

- Excellent recovery from periods of stress/overload

- Increased protection from faulty drivers

Broader Smartcard Capabilities, Faster Performance

Accelerated smartcard logons

Finance

Banking

Up to 25% faster login on LAN

New support for virtual smartcards (Microsoft TPM)

Application signature signing

Plug & Play Support

Windows 10 support

Better compatibility

Healthcare

Retail

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Video Fallback Prevention

New HDX Policies

- Control server rendering of Flash and Windows Media

- Customize the displayed notification window (.SWF)

- Prevent Flash "small content"

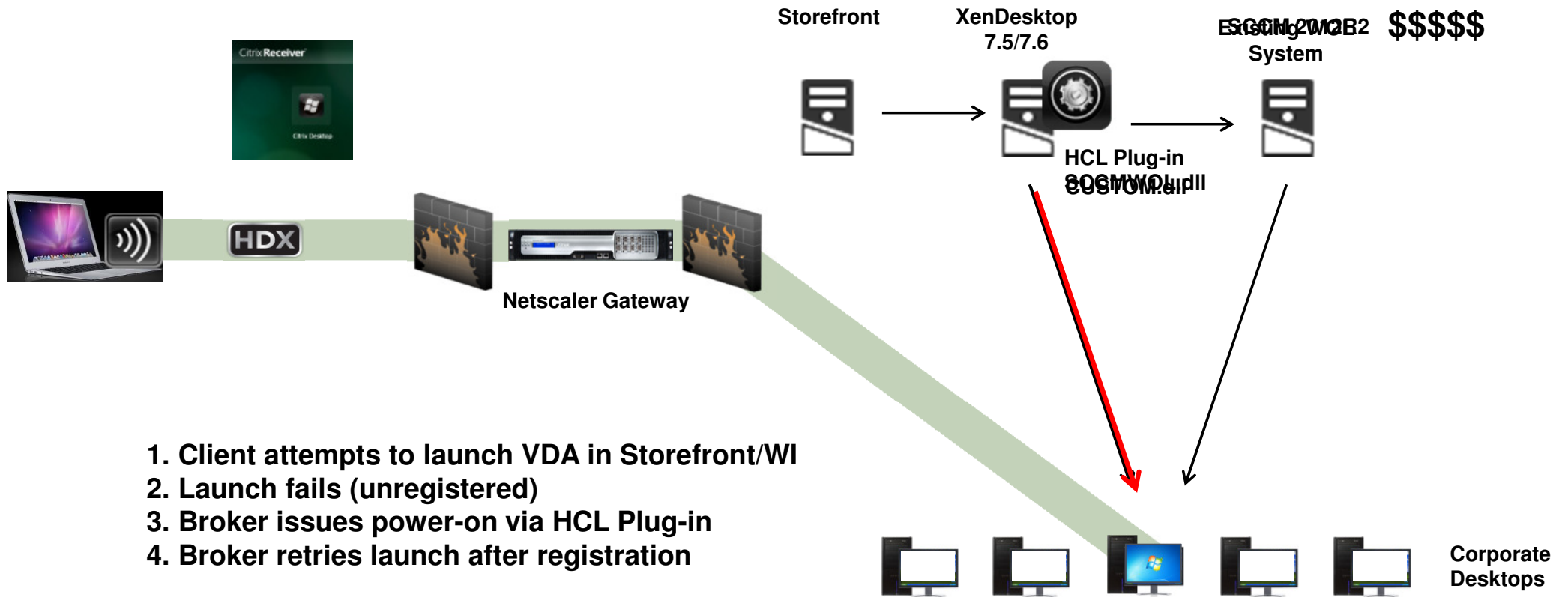# Denying access from jailbroken iOS devices

Receiver for iOS 6.1

- Receiver for iOS can detect that the device that is jailbroken

- User can dismiss and continue **-OR-**

- Administrators can choose to block published access to apps and desktops
  - Administrators have to add a keyword *AllowJailBrokenDevices=False* in the default.ica file on their StoreFront or Web Interface servers.
  - Modify the default.ica files on **ALL** their StoreFront and Web Interface servers.
  - When the application or desktop is blocked the user will be shown the same Security Alert.

Security Alert

Citrix Receiver detected this device has been jailbroken and cannot be trusted to run this app securely.

Dismiss

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XenDesktop Remote PC Access Wake on LAN SDK

Storefront

XenDesktop
7.5/7.6

SCCM 2012 R2
Existing WOL
System

$$$$$

HDX

Netscaler Gateway

HCL Plug-in
SCCMWOL.dll
CUSTOM.dll

1. **Client attempts to launch VDA in Storefront/WI**
2. **Launch fails (unregistered)**
3. **Broker issues power-on via HCL Plug-in**
4. **Broker retries launch after registration**

Corporate
Desktops

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Additional user experience enhancements
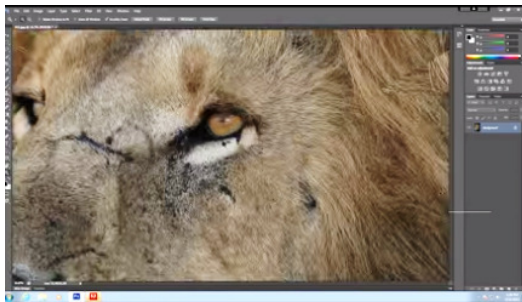
Full screen support for 3D Apps

4K Resolution
(Single and multi-monitor)
CTX201696

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Customer **E**xperience **I**mprovement **P**rogram

CEIP is a project to enable Citrix to gather **Anonymous Data** regarding **Product Configuration** and **Feature Usage** from **Customer Installations**.

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Where is CEIP implemented?

XenDesktop/XenApp 7.6+

Receiver for Windows 4.3+

License Server for Windows 11.12.1 build 14100+

Universal Print Server in 7.6 Feature Pack 3
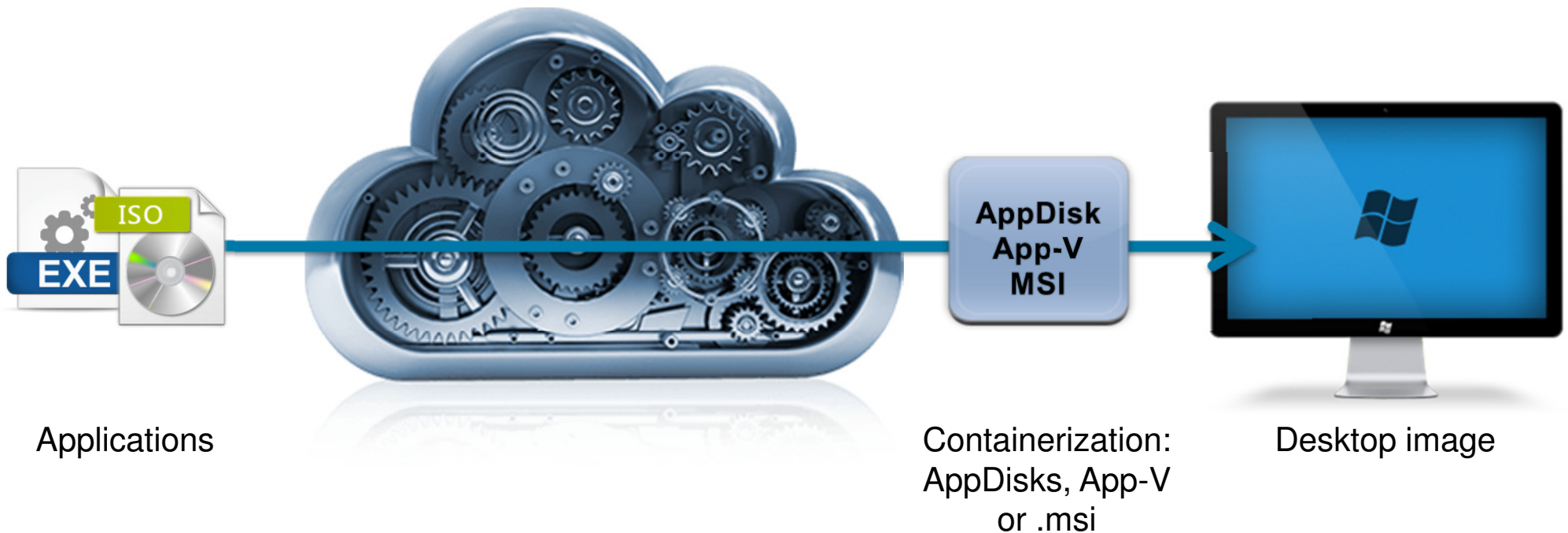
AppDNA "Devilray"

XenMobile 10+

http://blogs.citrix.com/2015/08/13/enable-ceip-and-let-your-voices-be-heard

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Tech Previews

Now Available! AppDisk Tech Preview

https://www.citrix.com/downloads/xendesktop/betas-and-tech-previews/appdisks-technology-preview.html

Intelligent app layering **analysis** and
optimization powered by AppDNA

Applications

Containerization:
AppDisks, App-V
or .msi

Desktop image

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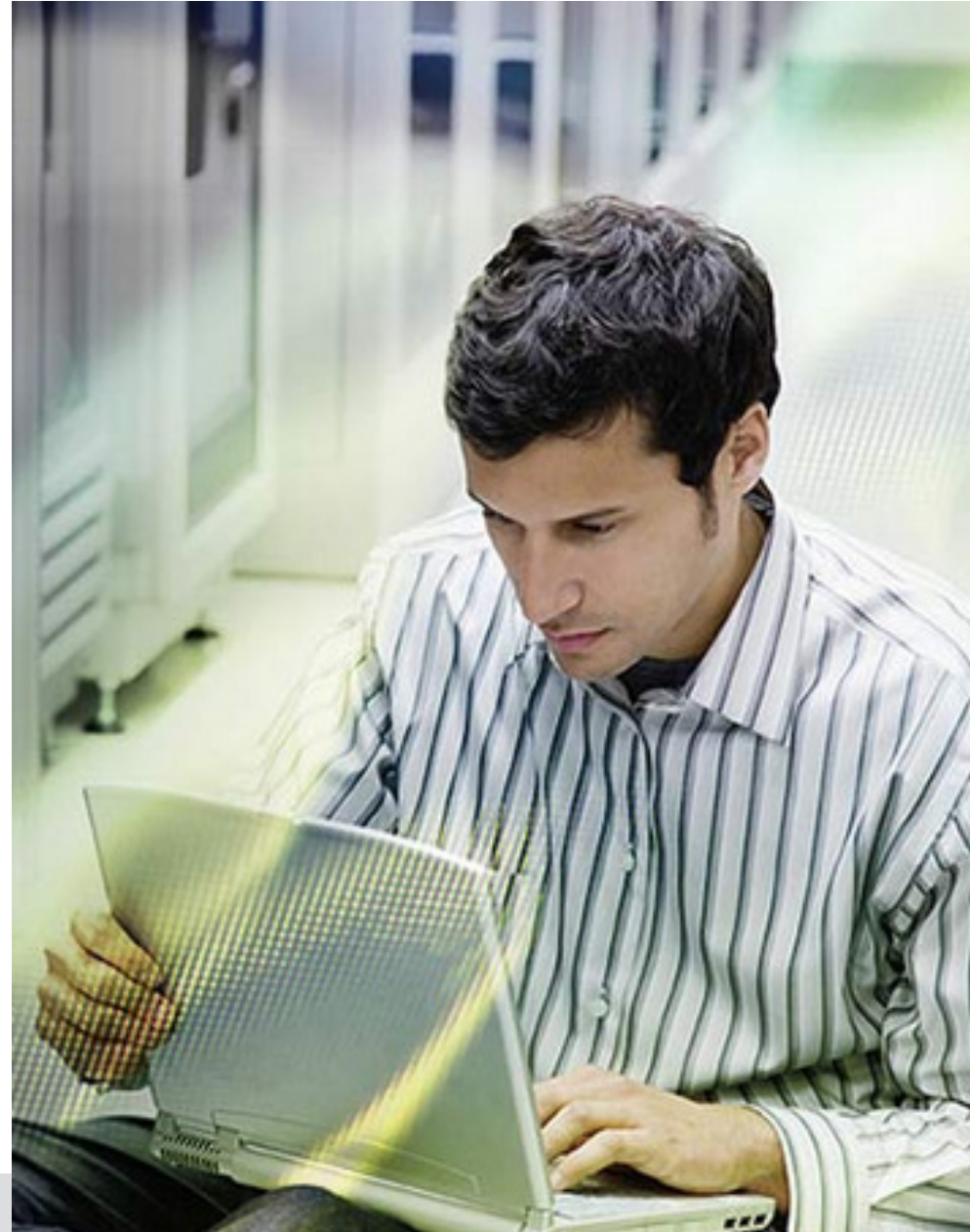
New! Additional TechPreview

Provisioning Services TP3
https://www.citrix.com/downloads/xendesktop/betas-and-tech-previews/provisioning-services.html

Storefront 3.1 TP
https://www.citrix.com/downloads/storefront-web-interface/betas-and-tech-previews/storefront-technology-preview.html

XenServer TP
https://www.citrix.com/downloads/xenserver/product-software/xenserver-tech-preview.html

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http://www.citrix.com/downloads/xendesktop.html
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Citrix User Group Community

https://www.mycugc.org/p/cm/ld/fid=1

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