



Technical White Paper

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Migration Guide: Transitioning from ZCentral to HP Anyware



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Overview

HP and Teradici have partnered to deliver HP Anyware¹ as the future remote desktop access software solution for both graphic intensive users and knowledge workers.

Preparing to onboard your team with the HP Anyware product suite starts with initially migrating onto the subscription license model, and eventually transitioning your team to the next generation product which will be based off HP Anyware Software with PCoIP technology, enhanced via capabilities from HP ZCentral Remote Boost² and HP ZCentral Connect³.

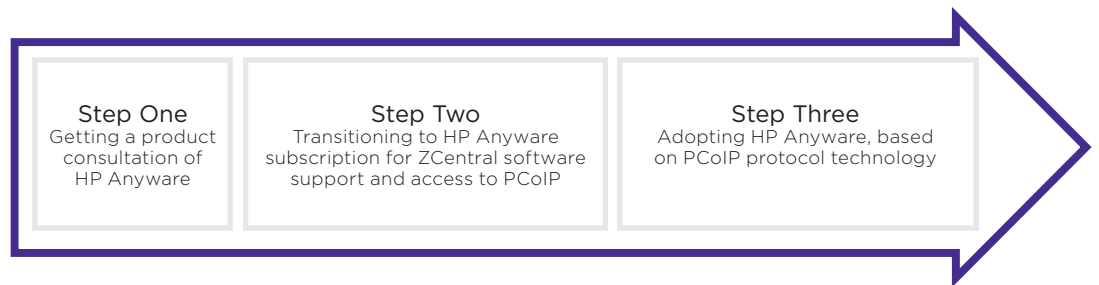
Over time, HP Anyware, based on the PCoIP technology, will offer industry-leading capabilities that surpass those that were offered in previous versions of ZCentral software and previous versions of HP Anyware Software.

Timing your Migration

Previous users of RGS 7 and ZCentral Remote Boost (and ZCentral Connect) V20 should plan to migrate to the HP Anyware license model as soon as possible to ensure that they are using software that is still supported by HP.

Note: RGS 7 is no longer supported by HP at this time and support for Remote Boost V20 ended in February 2023.

Migration is a Three Step Process



Step 1: Getting a Consultation of HP Anyware

The HP Anyware Product Specialist team can provide a consultation of the HP Anyware technology and also provide additional detail on our future direction. It is critical for ZCentral software customers to engage early to understand the technology behind HP Anyware and how it may differ from ZCentral software.

How to reach out team for a consultation:
Please visit the “Connect with us” form at hp.com/anyware

Connect with us



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What to expect: Product consultations for HP Anyware can include information about our product direction, its technology, and pricing models. Additionally, please share how your needs were supported in ZCentral Remote Boost and ZCentral Connect with our team. We would like to incorporate your needs into our roadmap.

Step 2: Transitioning to the HP Anyware Subscription

If you are either an RGS 7 or ZCentral Remote Boost V20 user, setting up your team for success in the long-term will require moving to the HP Anyware subscription model, which will have the latest support for ZCentral Remote Boost and ZCentral Connect.

By moving to the subscription model, your team can remain on the ZCentral Remote Boost product until the HP Anyware future product (based on PCoIP technology) has capabilities comparable to ZCentral Remote Boost. Your new version of ZCentral Remote Boost in the subscription model will be V22. V22 will be the version of ZCentral Remote Boost which is actively supported and refined until HP Anyware is ready for your team's needs.

License Pricing:

- Structured to license count of concurrent users, instead of per each specific individual or device
- Subscription is renewed on an annual basis, with options including 1 year and 3 year

License Infrastructure:

- Licensing can be facilitated via either local license server or cloud licensing
- Cloud licensing is free and reduces overhead of deploying and managing local licenses servers

Note: The original server (FlexNet) used with legacy versions of ZCentral Remote Boost cannot be used for HP Anyware

License Type:

- Users of legacy Remote Boost license types (“standard”, “floating”) must adopt the HP Anyware license type

License Distribution:

- Previous users of ZCentral Remote Boost included with their Z Workstation will also need to purchase a subscription
- License key for a paid subscription and download link for the software is sent to customer via email

Step 3: Infrastructure and product transition to HP Anyware

Did you know?: HP Anyware is delivering broader compatibility with Chrome OS and macOS® than previously offered in ZCentral Remote Boost and is offering customers greater flexibility with compute resources and network access beyond VPN.⁴

Adopting HP Anyware requires acknowledgement of infrastructure differences, then testing, and then full deployment.

Note for Linux Users: HP Anyware is limited to remote-only use with Linux. GPU requirement is NVIDIA® Quadro®. Linux support for additional environments and GPU configurations will continually be refined through 2023.



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Product Specifications

ZCentral Remote Boost² Customers - Checklist	
OS Support (Supported on Legacy Product)	Notes for Transition to HP Anyware (PCoIP)
Windows: Win 10/11 Supported on Host and Client	Full Support in Place
RHEL: 7/8/9 supported on Host and Client	Host: RHEL 7/8, CentOS 7, Rocky 8 Client: CentOS 7(Tech Preview)
Ubuntu: 18.04, 20.04, 22.04 on Host and Client	Host: 22.04 Client: 20.04, 22.04
macOS: 11, 12, 13 - Available for Client only	Host: macOS 12, 13 Client: macOS 12, 13
ThinPro OS: 7.2 - Available for Client only	Full Support in Place
GPU High Performance (Supported on Legacy Product)	Notes for Transition to HP Anyware (PCoIP)
Host Configuration: None Required	"PCoIP Ultra" setting should be enabled for High Performance
Host GPU: Option of NVIDIA® Quadro® or GeForce® GPU for High Performance	NVIDIA® Professional cards (Quadro®) fully supported. Consumer cards (GeForce®) are not yet supported on Linux. AMD cards with Windows supported for CPU-Offload or PCoIP modes, but Linux systems not yet supported.
Security Standards (Supported on Legacy Product)	Notes for Transition to HP Anyware (PCoIP)
Authentication: Standard (Credential Entry), SSO, or EasyLogin (Remote Boost proprietary)	Similar Methodology - Standard (Credential Entry), SSO, Federated User Authentication with IDP (ex: Okta, Azure AD) available (requires Anyware Manager)
Certificates: TLS 1.2	Full Support in Place
VPN: VPN required	Full Support in Place. However, VPN not required, when using Anyware Manager

ZCentral Connect³ Customers - Checklist	
OS Support, On-Prem Server Requirement (Supported on Legacy Product)	Notes for Transition to HP Anyware Manager⁵ (CAS Manager)
Windows: Windows Server 2016 or 2019	(!) Transition required. On-Prem server requires Rocky Linux 8 or use of Teradici cloud service
Security Standards (Supported on Legacy Product)	Notes for Transition to HP Anyware Manager⁵ (CAS Manager)
Domain Controller Requirement: Active Directory 2012 R2 or greater required	Full Support in Place. Federated User Authentication with IDP (ex: Okta, Azure AD) available

License Specifications

ZCentral License Server Transition - Checklist	
License Server (Supported on Legacy Product)	Notes for Transition to HP Anyware Suite
On-Prem Server: Flexnet license server required for Remote Boost Floating license type (not previously required for the Standard License type)	(!) Transition Required to either PCoIP Local License Server (On-Prem) or PCoIP Cloud License Server
Cloud Server: Not available	Available (and as alternative to On-Prem server)



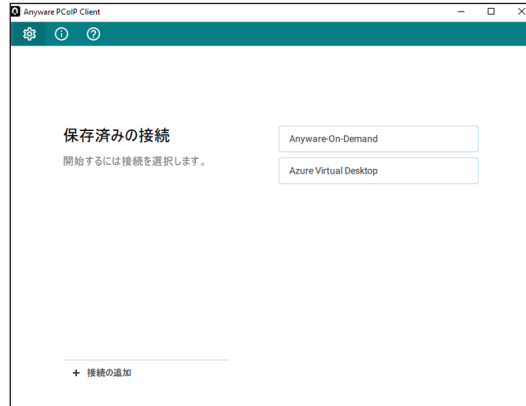
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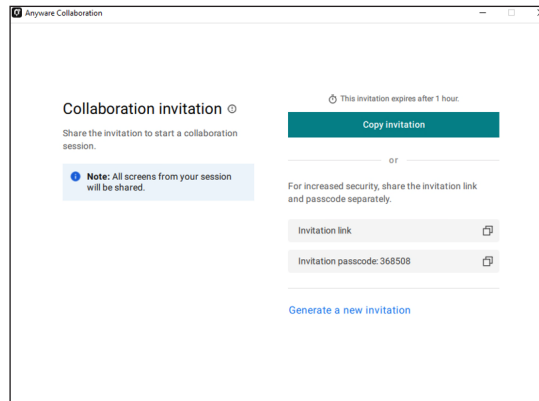
Many Remote Boost experiences have been enhanced further in HP Anyware as of 2023:

End User Login, Global Language Support:



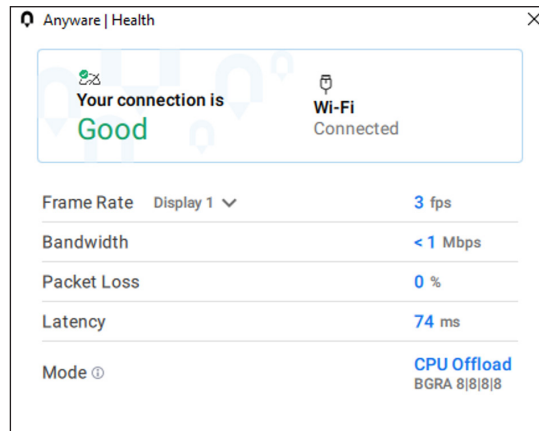
Commitment to supporting global languages.

Easier Collaboration:



Easy to use collaboration for diverse team needs.

More Insightful Health Monitoring:



Peace of mind on your connection health and performance.



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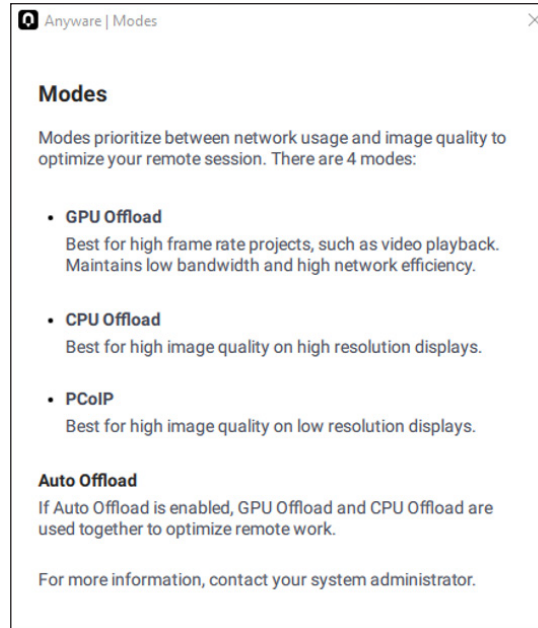
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Tips for Remote Boost users tuning HP Anyware performance:

Accessing performance controls:

HP Anyware performance settings are currently located on the agent (server) software. Work with your IT support team to access these settings.

Performance mode basics:



Adjusting performance to be similar to Remote Boost:

Advanced Video Compression users: HP Anyware’s GPU offload mode at 4:2:0 or Auto-Offload mode (which dynamically transitions to GPU-Offload) at 4:2:0 may be the best option for you. Be sure to have chroma subsampling enabled. Graphics agent setup is required.

HP3 users, desiring fixed image fidelity: HP Anyware’s CPU-Offload mode, with initial Image quality on the agent set to 80 may be the best option for you. Intel AVX2 instruction set is required for both client/agent devices for CPU-Offload mode. An alternative mode to consider for fixed image fidelity is PCoIP, which does not require Intel AVX2 instruction set.

Targeting specific frame rate:

Set frame rate parameters on the agent (server) software as needed. For example, setting the max frame rate to “30” ensures the frame rate does not exceed 30 fps. If the max frame rate is set to “0,” the default behavior (i.e. fastest available frame rate) is assumed.”

Reducing bandwidth use and enhancing network performance:

It is expected that HP Anyware will consume bandwidth differently from Remote Boost. Therefore, please take into consideration the following:

- GPU offload mode or Auto-Offload mode at 4:2:0 are the most efficient HP Anyware performance modes for bandwidth use.
- When using CPU-Offload mode, lowering initial image quality to either 70 or 60 may help reduce bandwidth use.
- When using a low-resolution display, PCoIP mode may be a bandwidth reducing alternative to CPU-Offload mode.

Regardless of the specific performance mode in use, if using a VPN, lowering MTU size should be considered.



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Additional Transition Support

HP Anyware Professional Services team can help with setup:

The Professional Services team has a number of services to help you get up and running as quickly as possible – from a simple deployment all the way up to a custom diverse install.

For further details on this service please visit the HP Anyware website:

<https://teradici.com/support-services/professional-services>

Sign up for updates
hp.com/go/getupdated



Share with colleagues

The future of remote compute is bright

LEARN MORE

¹Network access required. HP Anyware supports Windows, Linux® and macOS host environments and Windows, Linux®, macOS, iOS, Android™, and Chrome OS™ end-user devices. For more on the system requirements for installing HP Anyware, refer to the Admin Guides at: <https://docs.teradici.com/find/product/cloud-access-software>. HP Anyware is based on the Teradici CAS software and licensing platform and is available through a 1- and 3-year subscription. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5.

²HP ZCentral Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z Workstations (desktops and laptops) without license purchase through December 31, 2022. License purchase is required to use ZCentral Remote Boost Sender on non-Z hardware. Starting December 15, 2021, a CA+ subscription (ZCentral Remote Boost and Teradici CAS) can be purchased at <https://teradici.com/products/future-of-remote-compute>. ZCentral Remote Boost Sender requires Windows 10 or 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.

³If you purchased a ZCentral Connect version 20 license, the purchased ZCentral Connect license will not expire. If you are using ZCentral Connect version 22- as part of the HP and Teradici single subscription (CA+ subscription) your license to use the software will expire with the term of the 1-year subscription. HP ZCentral Connect requires HP ZCentral Remote Boost Software which can be downloaded at hp.com/ZCentralRemoteBoost, a Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features.

⁴HP Anyware supports Windows, Linux® and macOS host environments and Windows, Linux®, macOS, iOS, Android™, and Chrome OS™ end-user devices. For more on the system requirements for installing HP Anyware, refer to the Admin Guides at: <https://docs.teradici.com/find/product/cloud-access-software>

⁵The subscriptions for HP Anyware include access to the Anyware Manager software which can be installed locally or accessed as-a--service. For more information, visit: <https://docs.teradici.com/find/product/cloud-access-software>

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