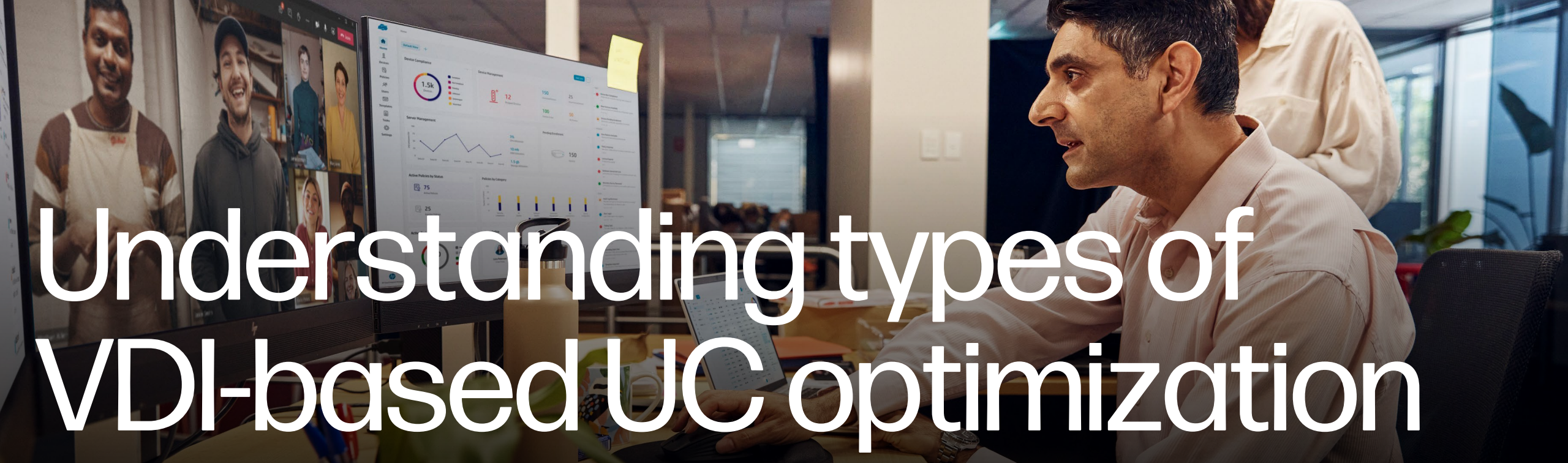




Enable better communications
through VDI optimization of Unified Communications



Understanding types of VDI-based UC optimization

Full UC Optimization

Audio and video call data is processed, sent, and received directly by the participants' endpoints, bypassing the Virtual Desktop Infrastructure (VDI) solution. This means call data will transfer from user to user in less time.

Partial Optimization



Video call data is compressed at the endpoint before being sent to the VDI solution for processing and redirection to other call participants. Less data is transferred compared to no optimization, but the additional routing can take more time.

USB Webcam Redirection

The USB camera is redirected to the VDI resource using the USB redirection capabilities that are provided by the VDI solution.



Choosing the right type of UC optimization

	Full UC Optimization	Partial Optimization	USB Webcam Redirection
Benefits 	<ul style="list-style-type: none">• Reduced call latency between participants• Reduced resource consumption for on-premises VDI solutions• Reduced public cloud costs for cloud-based VDI solutions• Less bandwidth consumed between the Thin Client and VDI resource	<ul style="list-style-type: none">• Users can participate in video calls in non-mainstream UC applications that do not support Full UC Optimizations• All UC features are available for use.• Uses less bandwidth between the Thin Client and VDI resource when compared to USB redirection.	<ul style="list-style-type: none">• Excellent interoperability between all UC Clients and webcams• Enables video calls when full and partial UC optimizations can't be used
Tradeoffs 	<ul style="list-style-type: none">• Not all UC Application features are available• Entry-level Thin Clients may not perform as desired for any call that is not limited to audio only• Dependent on UC application vendor and/or VDI vendor for feature development.• In most cases, software must be installed on both the VDI resource and Thin Client.	<ul style="list-style-type: none">• Extra latency is added to the call• Dependent on a reliable and relatively fast network connection between their Thin Client and the VDI resource.• Increased resource consumption• Requires VDI solution vendor to develop and integrate the feature• The ability to capture webcam video is not guaranteed with all UC applications	<ul style="list-style-type: none">• Device drivers for the webcam must be installed or available for installation in the VDI resource.• Extra latency is added to the call• Dependent on a reliable and fast network connection between their Thin Client and the VDI resource.• Increased resource consumption• Of the three operating modes this one will generally generate the most traffic.



UC Optimization on HP Thin Clients

with commonly used VDI solutions

Full UC Optimization Support

	Microsoft Teams		WebEx		Zoom	
	Windows IoT	ThinPro 8.0	Windows IoT	ThinPro 8.0	Windows IoT	ThinPro 8.0
Microsoft AVD / Windows 365	✓	✓	✓	✓	✓	✓
VMware Horizon View	✓	✓	✓	✓	✓	✓
Citrix Virtual Apps & Desktops	✓	✓	✓	✓	✓	✓
Amazon WorkSpaces	✗	✗	✗	✗	✓	✗
HP Anyware	Coming soon: H2 2024	✗	✗	✗	Coming soon: End of 2023	✗



Thank you



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