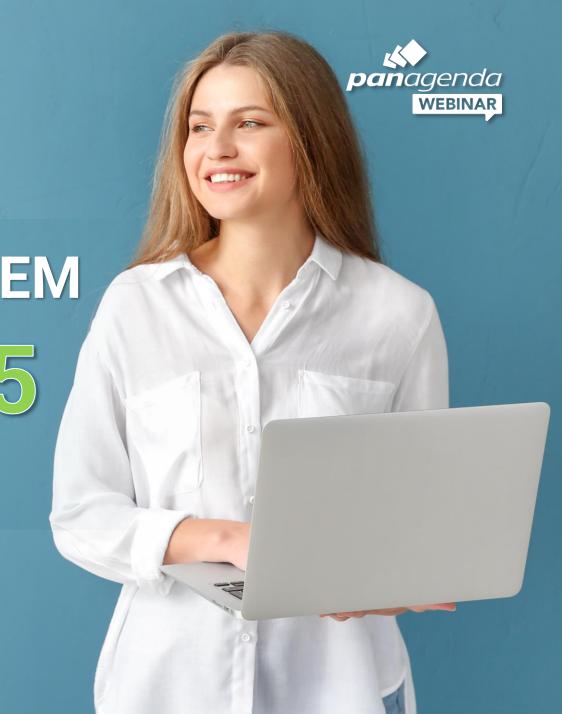
Getting the Best of TrueDEM

June 11th 2025

News & updates





#### **Your Team today**





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#### **Before We Start**





#### All attendee lines are muted

This is to prevent interruptions during the presentation.



### Please submit questions via the Chat or Q&A panel

Your questions will be addressed directly during the webinar or in the Q&A section after the presentation.



#### The webinar is being recorded

After the webinar, we will send you a mail to give access to the recording and presentation slides.



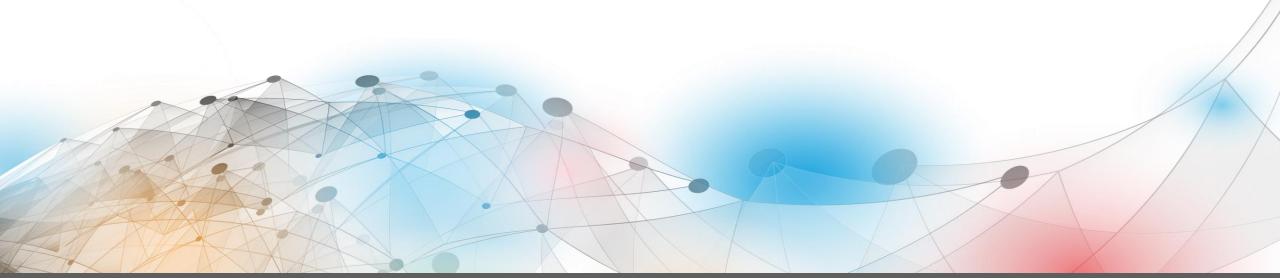
#### Share your feedback with us

Please let us know what we can do better.

#### Agenda



- 1. What is OfficeExpert TrueDEM?
- 2. Recently released June
- 3. Deep Dive & Customer Cases: "Insights" applied
- 4. Q & A



#### **OfficeExpert TrueDEM**



## Advanced Microsoft Teams Call Quality Analytics & End to End User Experience Monitoring for Microsoft 365

 Seamlessly integrated data from Microsoft 365 services, endpoints and home & office networking provides a holistic view of your digital workplace environment.

Comprehensive Data Insights

### Actionable Analytics

 'Single pane' perspectives and real-time dashboards for troubleshooting and analysis.
 Providing user-context specific end to end insights.  Make informed decisions about network, device and resource allocation based on real user experience analytics and proactive pattern analysis.

Data-Driven
Decision Making





#### **Recently Released - May**



## Agent

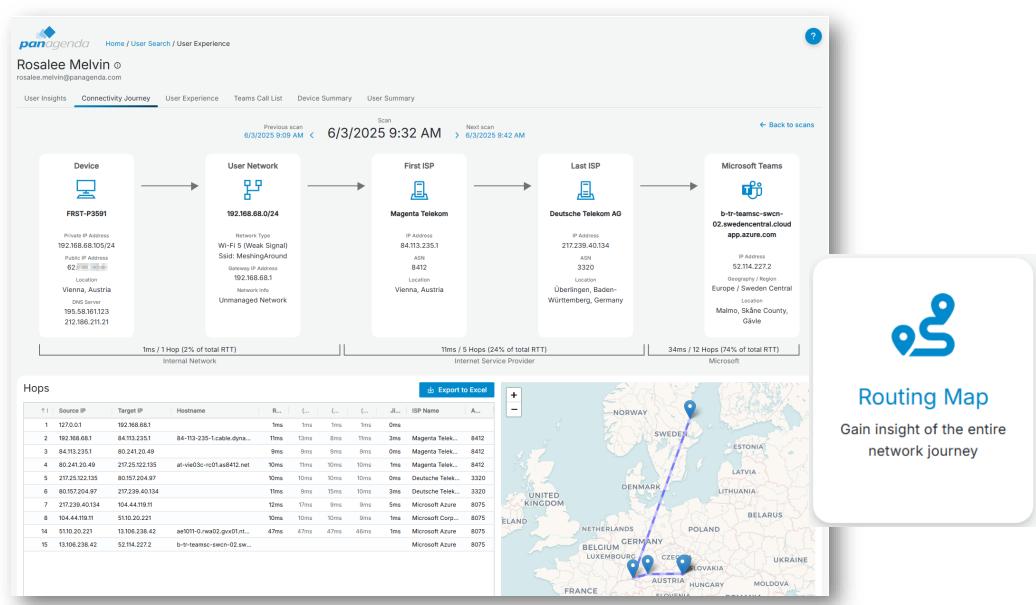
- V1.25 (preview on insider ring)
- Location & Privacy Settings

## Porta

- Connectivity Journey & Routing
- Live Calls overview
- New Call Insights

#### **Connectivity Journey & Routing**





#### New Call Insights



<u>Data Source</u>: All Call Data is Available <u>Call Status</u>: Completed

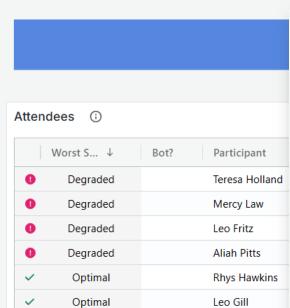
**Teams Meeting/Event** 

Start 05/28/2025, 10:53:15 AM

End 05/28/2025, 02:45:17 PM

Attendees 8

Attendee and Relay



#### Insights for Call

Insights (i)

279e44c3-f3d4-485f-8c07-27160c96bffd

5 3 Insight(s) detected User(s) Affected

0 User(s) on Wired

9 User(s) on Wi-Fi

User(s) switching Device/Platform

0

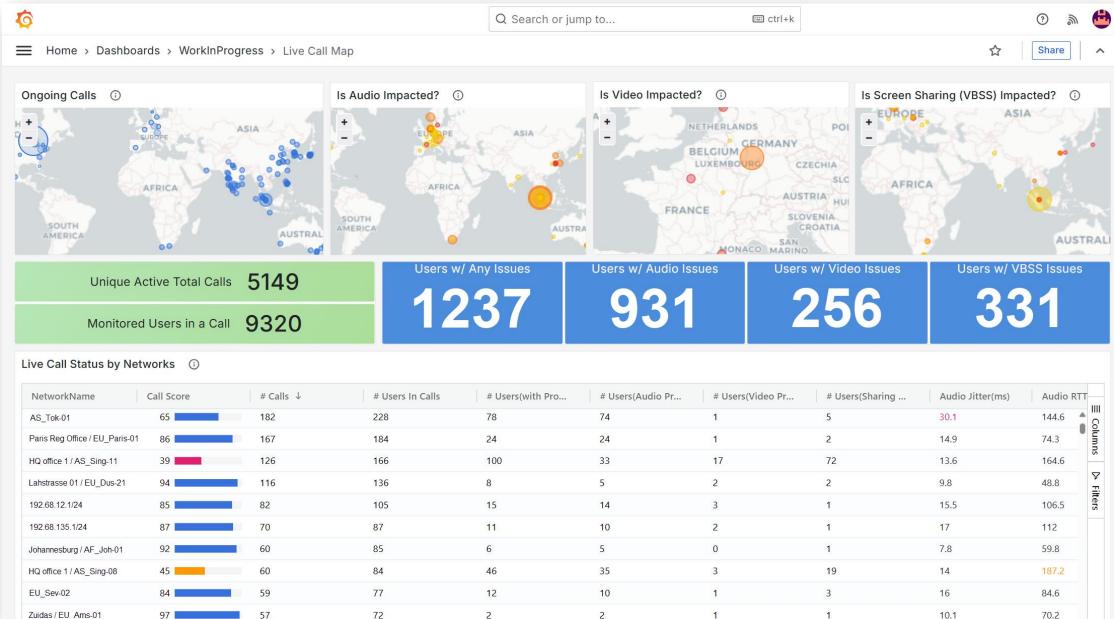
Mercy Law						
Leo Fritz	Group 2 ↑	CallerDisplayName 1 ↑	Managed Short Network Na	ManagedNetworkId	Teams NetworkType	
Aliah Pitts	> AV1 codec detected in VBSS stream (3)					
	> More than 5 BSSIDs were used (1)					Columns
Rhys Hawkins	∨ Potential Firewall Port Exhaustion Detected (2)					
Leo Gill		Mercy Law	Unmanaged	Unmanaged	Wi-Fi	7 =
Destin Poole		Teresa Holland	Unmanaged	Unmanaged	Wi-Fi	Filters
Dorian Cordova	V User transmitted streams with the potential to impact older devices (1)					
		Teresa Holland	Unmanaged	Unmanaged	Wi-Fi	
	> Video codec changes detected (2)					
	4					•
					Entri	es: 9

Optimal

Optimal

#### Live Calls overview

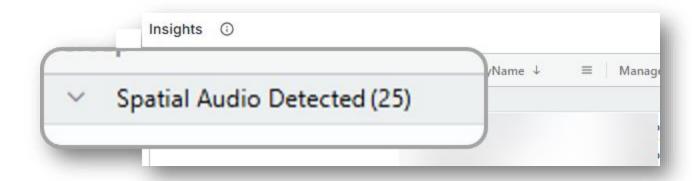






#### Insights - Spatial Audio Detected





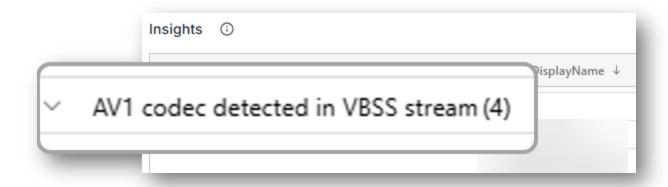
Spatial mode needs **200kbps** per Stream compared to SATIN which needs just **36kbps** for each direction. Using Spatial Audio can impact on Audio Quality.

TrueDEM can differentiate if Spatial Audio has been received and/or transmitted. Typically, the Audio Codec **x-multichannel2** is one of the indication.

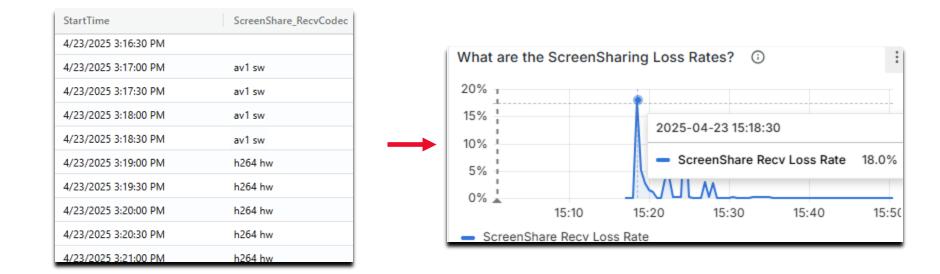
Note: Immersive Space(s) typically use Spatial Audio

#### Insights – AV1 codec detected in VBSS



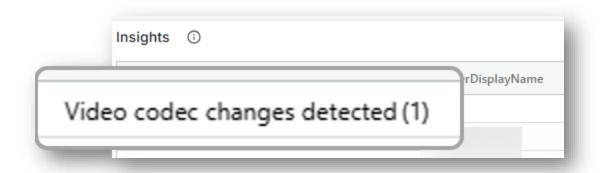


ScreenSharing codec changes during Call (HW or SW / AV1 or H264). Teams Client decides based on certain conditions which codec is used and failover to h264 hw, sw. These changes usually impacts the end user experience (loss rate, ...)



#### Insights – Video codec changes detected





Video codec changes during Call. HW or SW, H264.

Teams Client and Operating System decides based on certain conditions which codec is used and failover to h264 hw, sw. These changes usually impacts the end user experience (loss rate, ...)







#### Case 1 - AVI software codec used



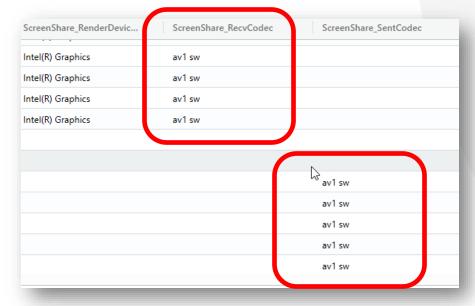
#### **Situation**

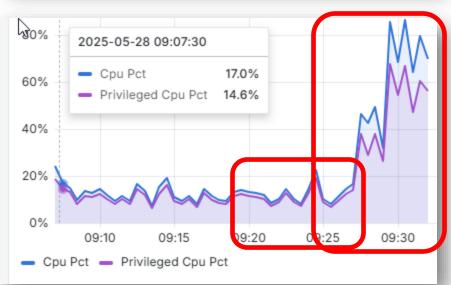
- User uses powerful computer with Intel Arc Graphic card
- · Card supports hardware encoding and decoding
- However software encoding/decoding were utilized

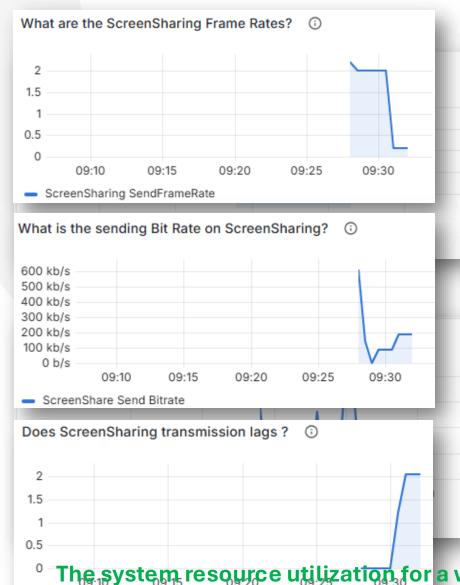
Feature	Intel Arc Graphics (64 EUs)		
GPU Frequency	Up to 1.9 GHz		
Shader Units	512		
AV1 Support	Decode + Encode		
Graphics Performance	~1.95 TFLOPS		

#### Case 1 - Result (AVI software codec used)









The system resource utilization was suboptimal.

**CPU** was heavily busy with encoding VBSS.

The system resource utilization for a was satisfactory.

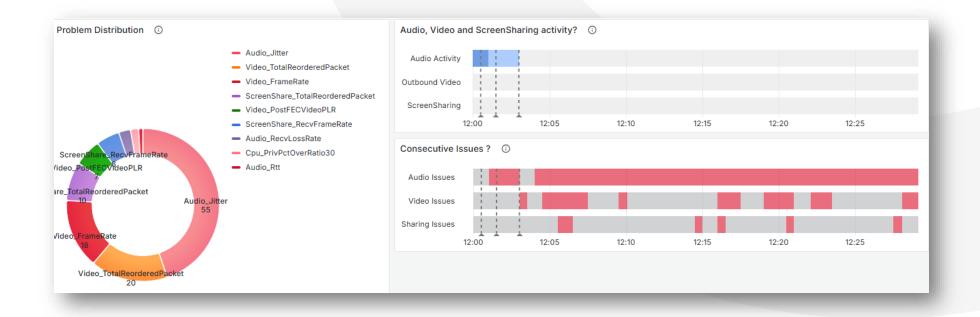
ScreenShare\_SyncFrameRequestPerMin

#### Case 2 – What was the User doing?



#### **Situation**

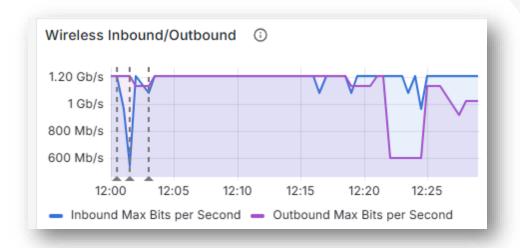
- User joined Teams Meeting
- Media across all streams had poor quality
- User reported "good" Network Connection

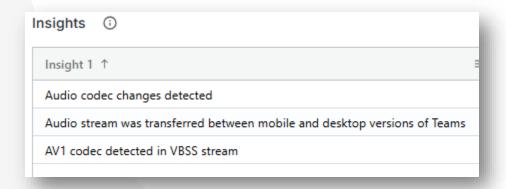


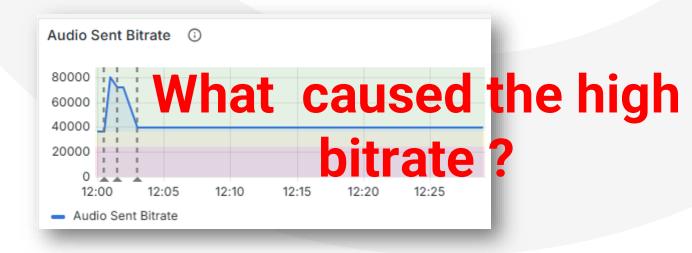
#### Case 2 - Result (What was the User doing?)



- 3 Insights detected
- Network was a bit volatile
- But Audio Bitrate even increased!







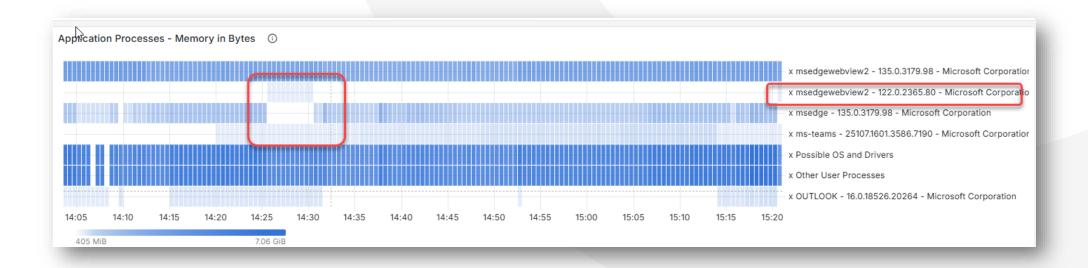
Was music involved? High Fidelity Mode? Spatial Audio? Or something else?

#### Case 3 - Webview2 Runtime



#### **Situation**

User reported Video related quality problems



Different Webview2 Runtime versions can potentially compete for GPU resources!

#### Final Case – Teams Client blows up

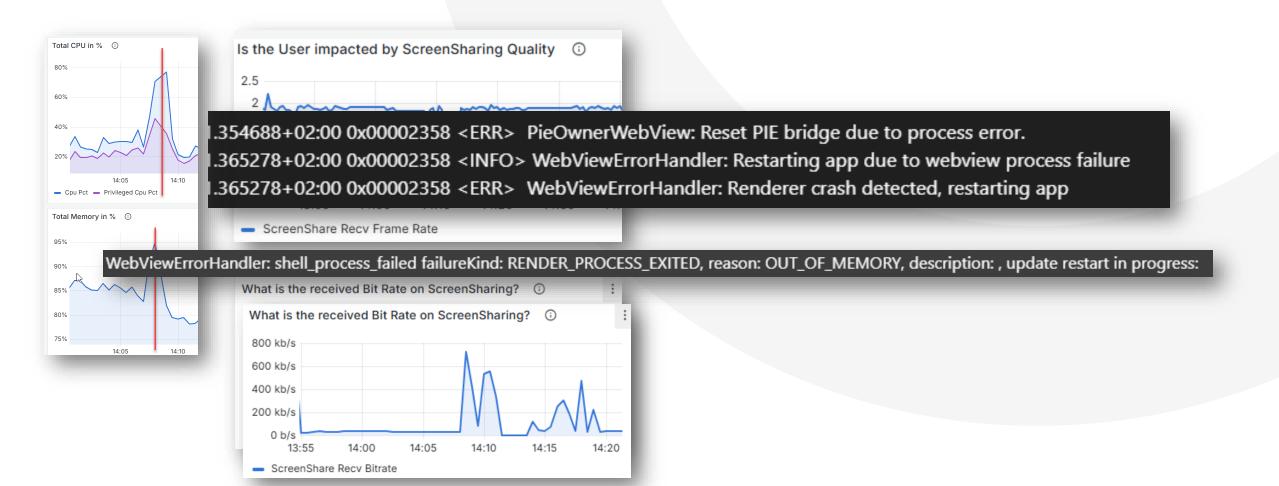


#### **Situation**

- Early Access Teams Client Version was used
- Device: 16GB memory
- Meeting with Externals External was sharing Screen
- Teams Client crashed and restarted two times
- All Users experience poor VBSS quality

#### Final Case – Teams Client blows up







# QUESTIONS?

Join Us Next Time On: September 3<sup>rd</sup> 2025





# THANK YOU!