Feedback - Immersive 3D Multilayer Graph

Application: 3dmultilayer.emanum.dev

Thank you for trying out the visualization! We would love to hear your feedback in this survey. If you have any questions please contact our team:

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Overview and Clarity

How good was your overview during the exploration?								
	1	2	3	4	5			
bad	0	•	0	0	0	good		

Was the hierarhical nesting of the nodes understandable?								
	1	2	3	4	5			
no	0	0	0	0	•	yes		

How would you classify the clarity (visual clutter, occlusion of elements, ...) of the visualization?

1 2 3 4 5

bad O O O Good

How useful or distracting was the automatic filtering of the visible links?								
	1	2	3	4	5			
distracting	0	0	0	0	0	useful		
How useful or distracting was the manual filtering of the visible links by the virtual laser pointer?								
	1	2	3	4	5			
distracting	0	0	0	•	0	useful		
How was the ae:	sthetics? Were	the nodes	and links ea	sily detecta	ble?			
	1	2	3	4	5			
no	0	\bigcirc	0	•	0	yes		
Please describe your experience during the exploration? Were there some aspects that were hard to understand? (filtering, nesting, clarity,)								
The experience was specific insight. While the hierarchi				•				

overview than without hierarchical clustering.

I did not experience or notice any automatic filtering (pressing the menu button on the left controller did not have any effect), therefore I am not able to evaluate that aspect.

Were there some positive aspects about the visualization that you didn't see anywhere else and found useful? What helped you the most to understand the structure of the graph?

The node jumping via the pointer was useful for navigation.

I was having a hard time understanding the structure of the graph.

No						
/R - Navigation	and Intera	ction				
)id you experer	nce the VR	application	on in a sea	ted, stand	ling or in a	room scale environment?
Seated						
Standing						
✓ Room scale -	small spac	e available	(1-2 steps i	n every dire	ection possil	ole)
Room scale -	- medium sp	ace availab	ole (2-3 step	s in every o	direction pos	ssible)
Room scale -	· large spac	e available ((4+ steps in	every direc	ction possib	le)
only browser	based with	out VR head	dset			
Did you have pro	oblems wi 1	th motion 2	sickness?	4	5	
Did you have pro	oblems wi			_	5	yes strong problems

How often did you use free flying for navigation?									
	1	2	3	4	5				
never	0	0	0	0	•	very often			
How often did you use teleporting with the laser pointer for navigation?									
	1	2	3	4	5				
never	0	0	•	0	0	very often			
How often did y	How often did you use rotation with the controller buttons for navigation?								
	1	2	3	4	5				
never		0	0	0	0	very often			
If you used a roo navigation?	om scale env	vironment: I	How useful	was the phy	ysical move	ment for			
	1	2	3	4	5				
not useful		0	0	0	0	very useful			
How often did y	How often did you use manual scaling with the controller buttons for navigation?								
	1	2	3	4	5				
never	•	0	0	0	0	very often			

What were	your preferred	l navigation m	nethods? Any	ything that	could be imp	roved?
VVII at VVCIC	your preferred	inavigation n	ictious: Air	y ti iii ig ti iat	Codid be irrip	noveu:

I'd have preferred the free fly camera, but the movement was rather unintuitive - looking at a node slightly down and holding forward on the touchpad did not bring me closer to the target but the camera moved up.

The teleportation animation was rather slow, which induced motion sickness, increasing that speed might help.

Did you experimented with different scaled of the scene by manually chaning the scaling with the controller? What was your preferred scale? Large room size nodes or small soccer ball size nodes? Did you experience any difference for the clarity and overview?

I've only looked at room sized nodes when within the hierarchy.

How easy was the virtual	laser pointer to use?
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1

2

3

4

5

hard

C

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easy

Did you have any problems with the laser pointer or navigation methods?

Performance

What System did you use for the visualization? (CPU, GPU, VR Headset)

Intel(R) Core(TM) i7-10750H CPU @ 2.60GHz, 2592 Mhz, 6 Core(s), 12 Logical Processor(s) NVIDIA GeForce RTX 2080 Super

HTC Vive Pro

Did you have a	any technical	problems?				
How was your use it without Medium Datase	being distrac	ted? What c			th enough th	at you could
Resume						
How was your	overall expe	rience?				
	1	2	3	4	5	
bad	0	0	•	0	0	good
Do you have a	-		s and the font	on the sphere	s had visible s	caling artifacts
What would you duration of tel	eport? Chan	ge visible lin	ks? Add / rer		•	•
Could you ima Do you have a I don't do graph	ny specific a _l	opilcation pu			and more po	olished state?

Optional: your name or contact email

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