

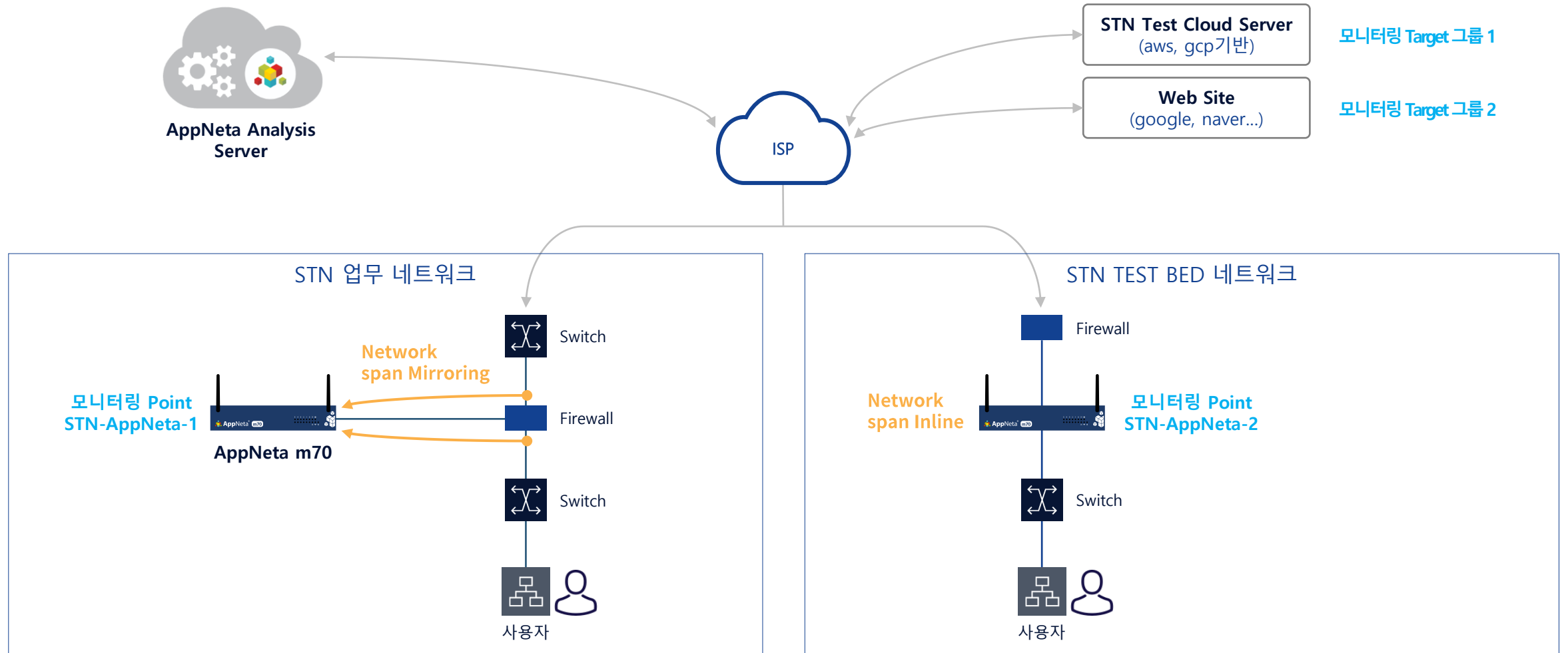
# AppNeta 적용현황

▶ AWS, GCP, APM

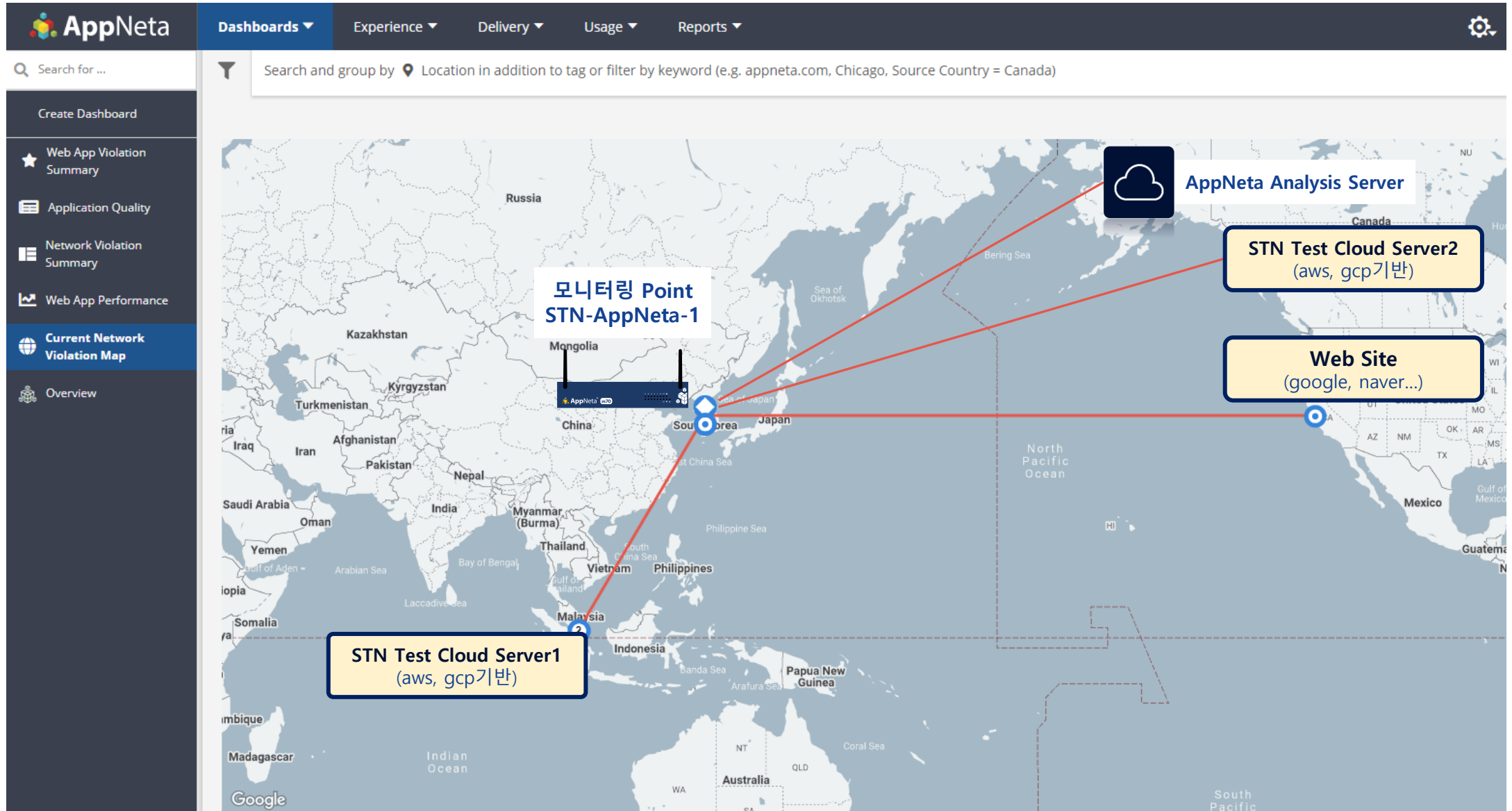
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# AppNeta PoC 구성도

- ✓ AppNeta 모니터링 포인트를 Mirroring 및 Inline으로 구성
- ✓ 모니터링 Target 은 ①웹사이트 와 ②Cloud기반 STN 테스트 웹서버를 구축



# Network 분석 노드 연결 Map (Dashboards)



# Experience

## Web App Groups

- ✓ 그룹 1 : STNINFOTECH TEST CLOUD SERVER
- ✓ 그룹 2 : Web Site

### 그룹

Target 그룹1  
Cloud Test 서버

STNINFOTECH TEST CLOUD SERVER								Action	Configure
		100% apdex		4 web paths		100% health			
Show	25	web paths		Search:					
Apdex	Monitoring Point Name	Local Network Interface	Monitoring Target	Workflow	Workflow Type	Total Time	Alert Profiles		
✓	-	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://stninfotech-web2.netlify.app	http_response	HTTP	0.24 s	from workflow	
✓	-	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://stninfotech-web1.netlify.app	http_response	HTTP	0.24 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://stninfotech-web2.netlify.app	Untitled	Browser	1.84 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://stninfotech-web1.netlify.app	Untitled	Browser	1.05 s	path-specific	

Target 그룹2  
웹사이트

Web Site								Action	Configure
		94% apdex		6 web paths		100% health			
Show	25	web paths		Search:					
Apdex	Monitoring Point Name	Local Network Interface	Monitoring Target	Workflow	Workflow Type	Total Time	Alert Profiles		
✓	65%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://www.cisco.com/	Untitled	Browser	5.46 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://stninfotech.ncpworkplace.com/	Untitled	Browser	0.99 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	http://erp.stninfotech.com/	Untitled	Browser	0.72 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://www.broadcom.com/	Untitled	Browser	1.10 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://www.google.com/	Untitled	Browser	1.95 s	from workflow	
✓	100%	STN-AppNeta-1	eth0 - 192.168.7.240/24	https://board.worksmobile.com/	Untitled	Browser	0.58 s	from workflow	

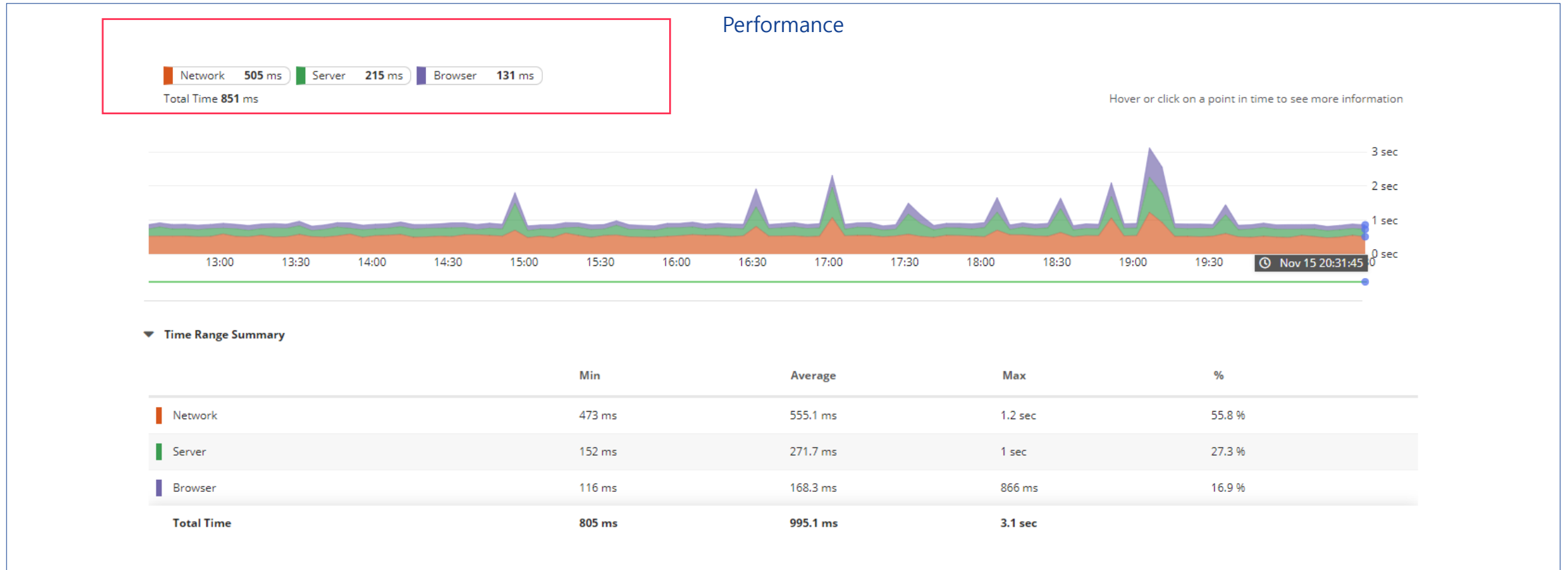
임계치에 따른 추이 가시화

# Experience

## Web App Groups

### ▶ Performance

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

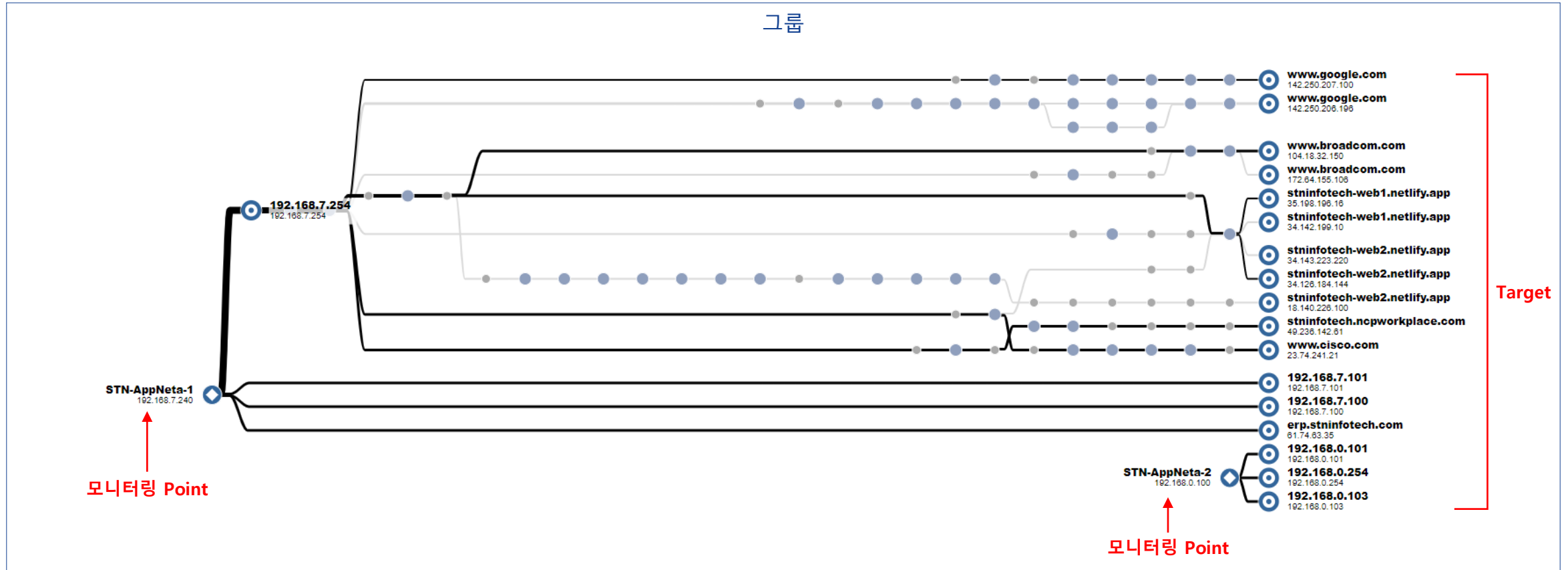


# Delivery

## Network Paths

엔터프라이즈에서 SaaS 애플리케이션까지의 end-to-end 경로 모니터링

- ✓ 사용자와 응용프로그램 간의 네트워크 경로를 지속적으로 식별
- ✓ 주요 성능 측정에 대한 가시성 확보 + 이상 징후 감지를 위한 이벤트 임계 값 포함



# Delivery

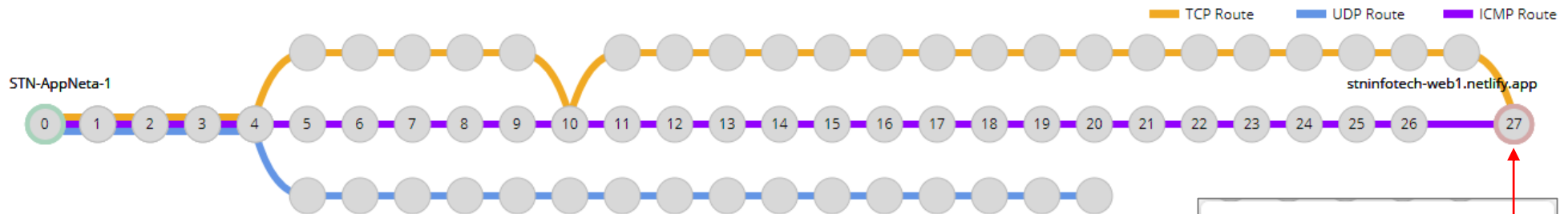
## Network Paths

### ▶ Performance → Route (1/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

### 네트워크 경로

#### ▼ Route



**Hop 27: ICMP**

**Hop 28: TCP**

**Host:** ec2-54-255-56-197.ap-southeast-1.compute.amazonaws.com

**IP:** 54.255.56.197

**RTT:** ICMP 77.34 ms, TCP 76.34 ms

# Delivery

## Network Paths

### ▶ Performance → Route (1/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web2.netlify.app>)

### 네트워크 경로

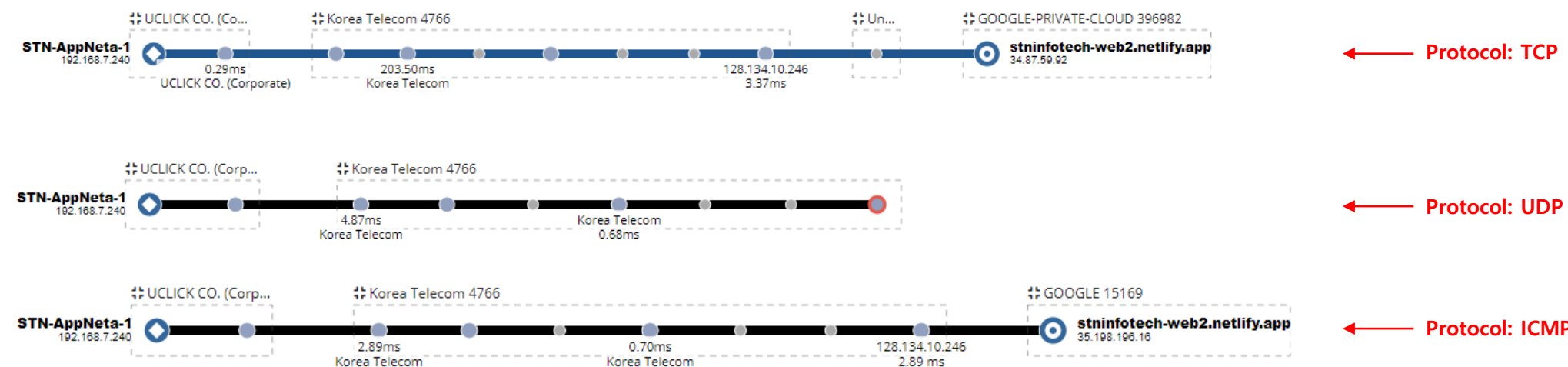
#### Routes

Route changed at: Nov 17, 2022 18:17:57 KST

Hops Networks Export  
Protocol: TCP UDP ICMP

항목 선택

✓ Target	<input type="radio"/> 92.59.87.34.bc.googleusercontent.com	<input type="radio"/> Network GOOGLE-PRIVATE-CLOUD 396982	<input type="radio"/> RTT 72.25 ms
	✓ 34.87.59.92 34.87.48.0/20		



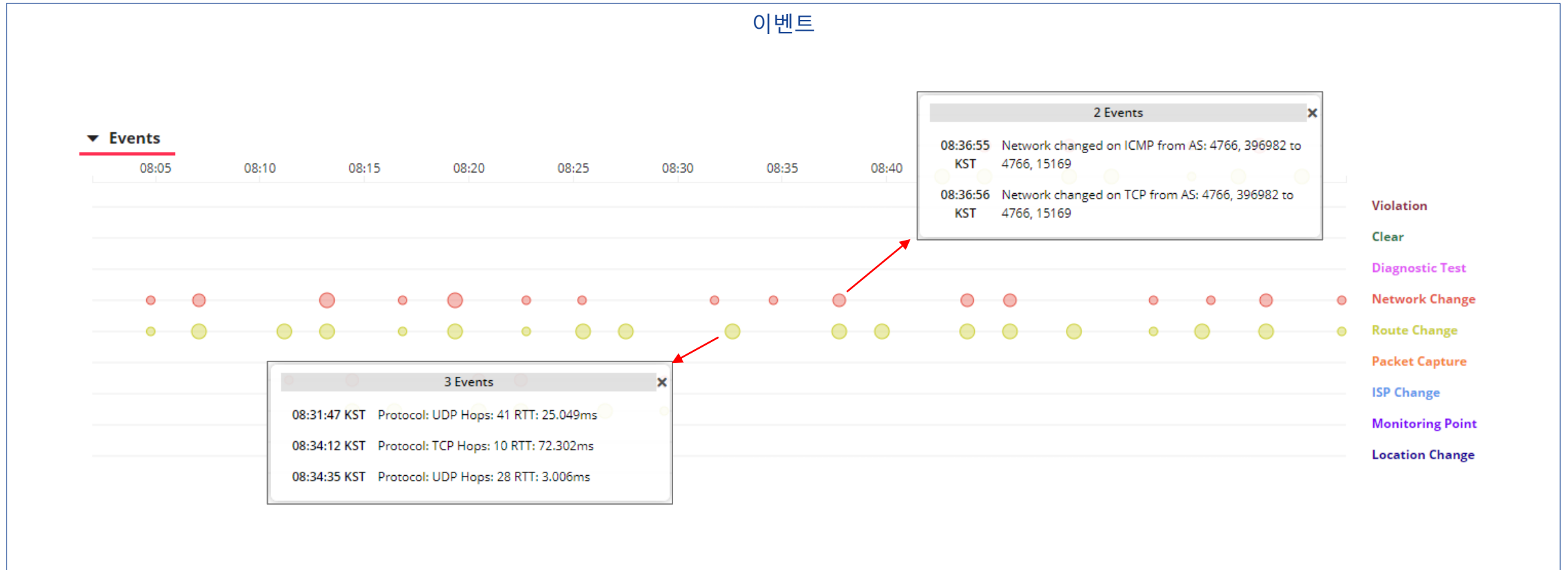


# Delivery

## Network Paths

### ▶ Performance → Events (2/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

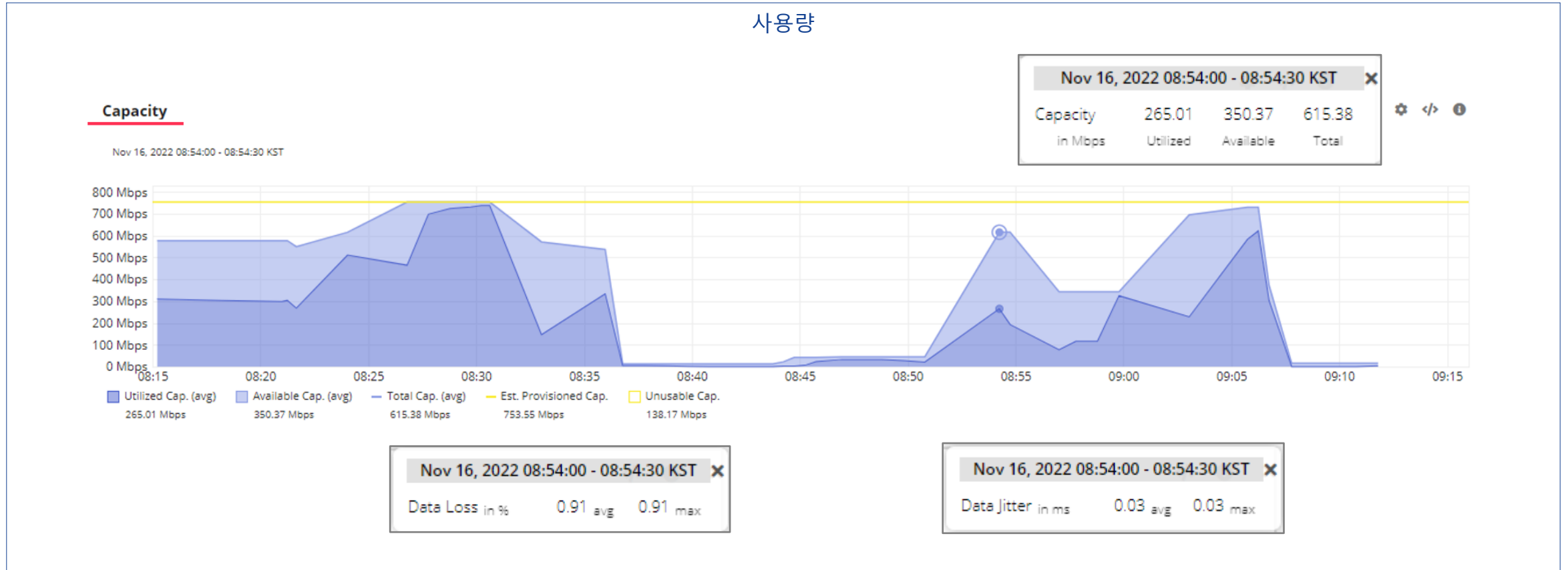


# Delivery

## Network Paths

### ▶ Performance → Capacity (3/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)



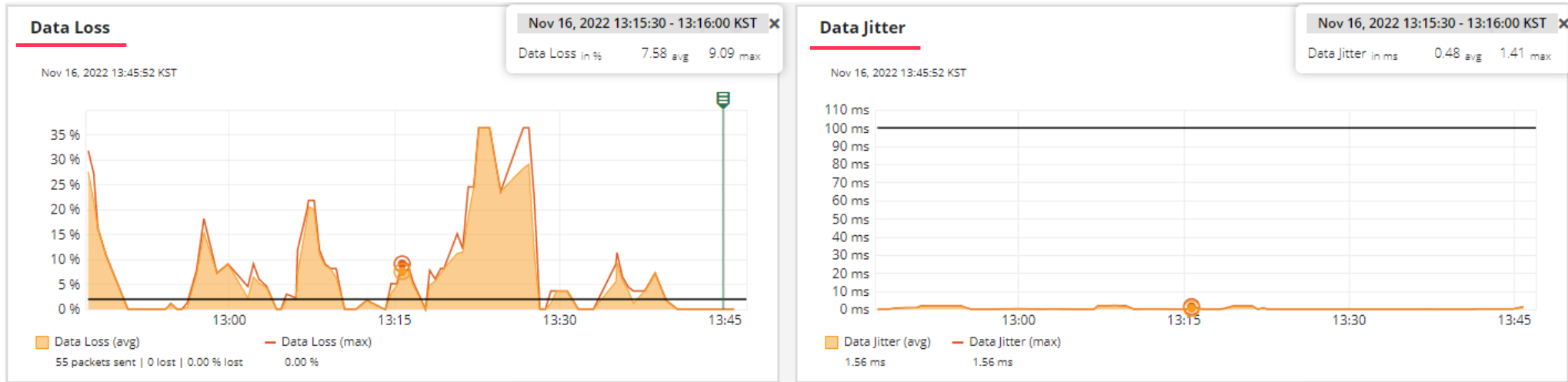
# Delivery

## Network Paths

### ▶ Performance → Data Loss / Jitter (4/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

### Data Loss, Jitter



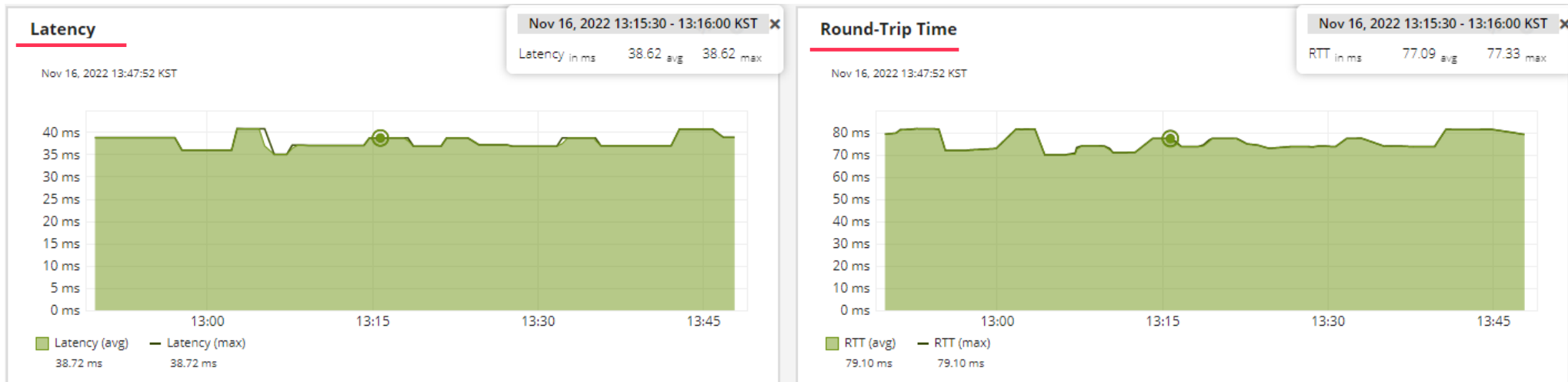
# Delivery

## Network Paths

### ▶ Performance → Latency / Round-Trip Time (5/5)

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

### Latency, Round-Trip Time



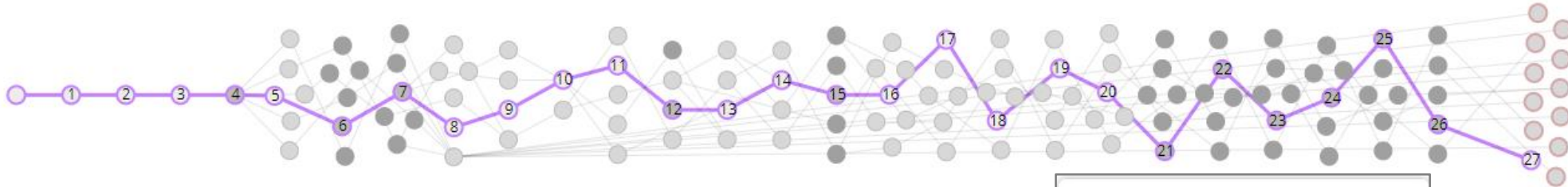
# Delivery

## Network Paths

### ▶ Route Analysis

- ✓ 모니터링 Point : STN-AppNeta-1
- ✓ 모니터링 Target : STN Test Cloud Server (<https://stninfotech-web1.netlify.app>)

### Route Details



Hop	IP Address	Host Name	RTT
1	192.168.7.254	192.168.7.254	
2	61.74.63.1	grns.kornet.net	
3	211.42.205.161	211.42.205.161	
4	*	Request timed out	*
5	112.190.36.165	112.190.36.165	0.68 ms

**Hop: 27**  
**Detected at:** Nov 16, 2022 12:37:22 KST  
**Host:** ec2-52-220-193-16.ap-southeast-1.compute.amazonaws.com  
**IP:** 52.220.193.16  
**RTT:** 70.0 ms

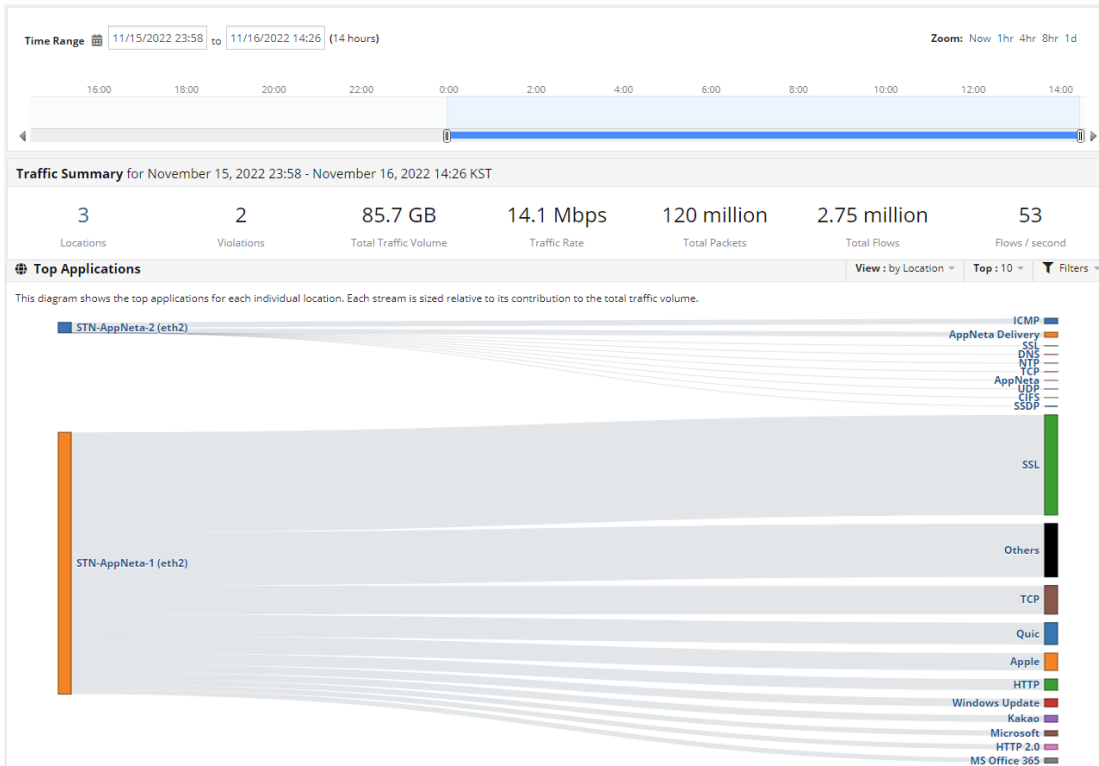
# Usage

## Summary

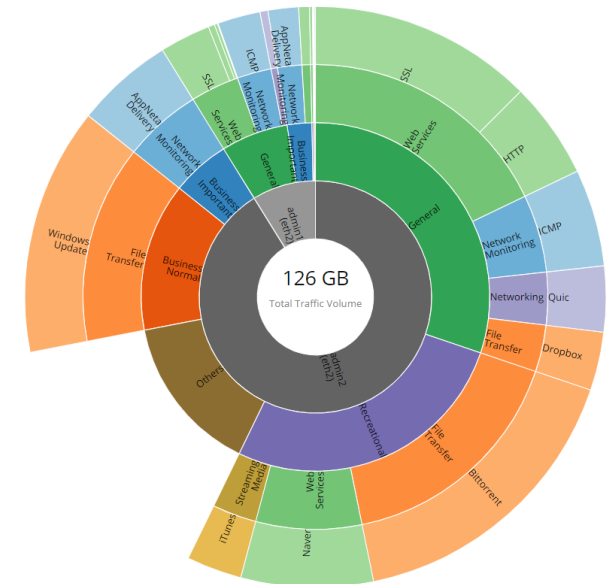
### ▶ Top Applications (1/2)

- ✓ 네트워크를 통해 이용 중인 애플리케이션을 식별
- ✓ 네트워크 사용량을 정확히 파악하여 애플리케이션과 네트워크 사용을 투명하게 파악

### Top Applications



STN-AppNeta-1 (eth2)		
Total Traffic Volume	Traffic Rate	
<b>SSL</b>		
15.6 GB	2.57 Mbps	0.44%
Volume	Rate	Retransmit %
<b>TCP</b>		
4.47 GB	736 kbps	0.72%
Volume	Rate	Retransmit %
<b>Quic</b>		
3.4 GB	560 kbps	-
Volume	Rate	Retransmit %
<b>Apple</b>		
2.7 GB	444 kbps	0.14%
Volume	Rate	Retransmit %
<b>HTTP</b>		
1.75 GB	288 kbps	1.02%
Volume	Rate	Retransmit %
<b>Windows Update</b>		
1.25 GB	205 kbps	0.94%
Volume	Rate	Retransmit %
<b>Kakao</b>		
1.05 GB	173 kbps	0.55%
Volume	Rate	Retransmit %
<b>Microsoft</b>		
822 MB	132 kbps	1.27%
Volume	Rate	Retransmit %
<b>HTTP 2.0</b>		
793 MB	127 kbps	0.80%
Volume	Rate	Retransmit %
<b>MS Office 365</b>		
782 MB	126 kbps	1.96%
Volume	Rate	Retransmit %



# Usage

## Monitoring Point

### ▶ Top Categories

- ✓ 네트워크를 통해 이용 중인 애플리케이션을 식별
- ✓ 네트워크 사용량을 정확히 파악하여 애플리케이션과 네트워크 사용을 투명하게 파악

Top Categories

