



Digitizing the Physical World with AI

# Connected Properties



**Connected property:** a neighborhood consisting of shopping center, parking, office buildings and housing areas.



# Why Deep North?

**Know the present. Plan the future.**

## **Present: keep it running:**

Current pedestrian and vehicle entry, exit, occupancy, parking availability, parking violations, security alerts and situational awareness.

## **Future: empowerment:**

Trends, analysis, insight, actionable recommendations.



# Connected Properties Solution



Pedestrian Analysis



Traffic Analysis



Parking Management



Security Alerts



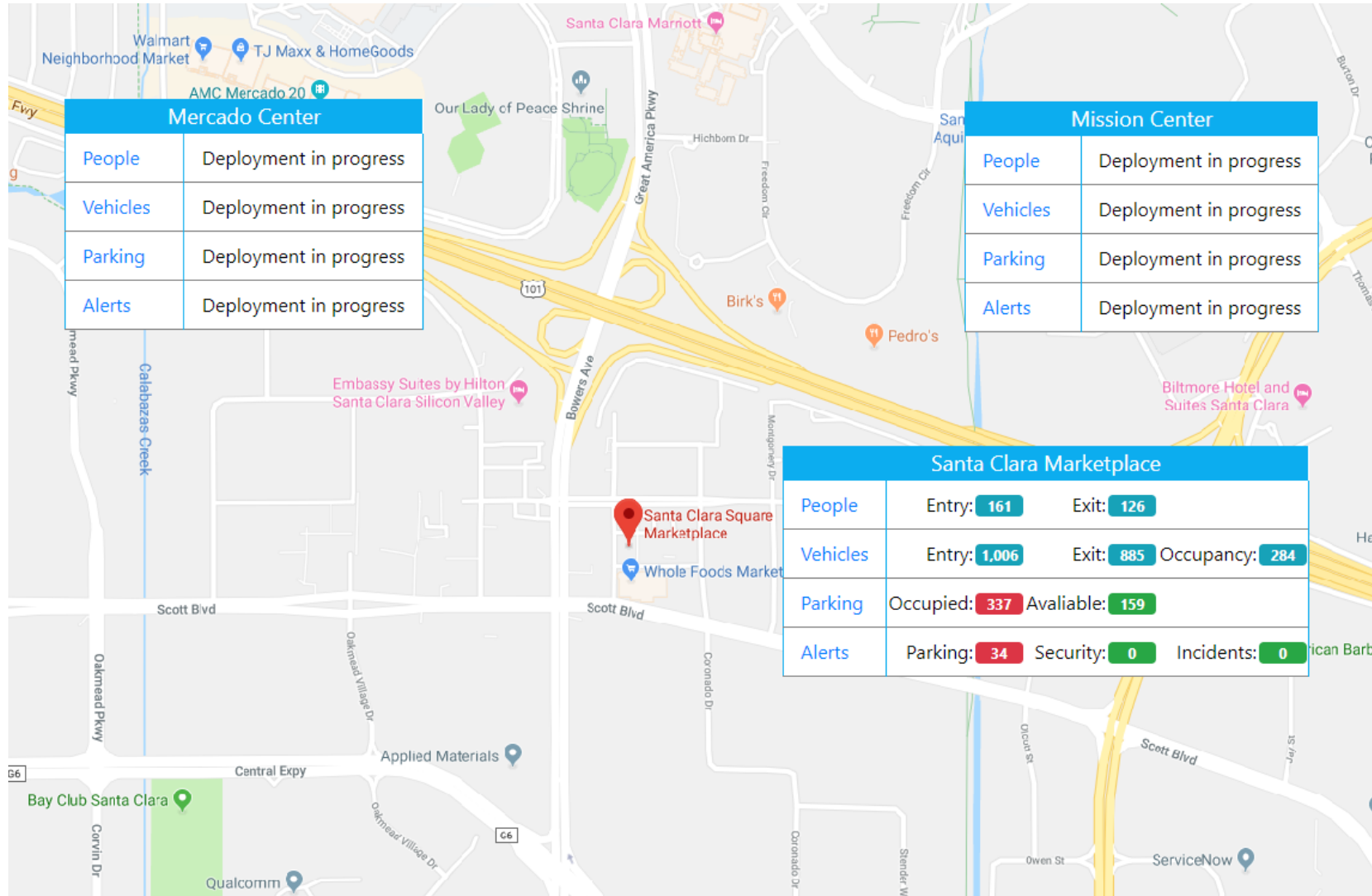
Maintenance Alerts



Situational Awareness



# Demo: Properties Overview



# Demo: Parking Overview

3410 Foster City -> Parking : Available: 169 Occupied: 326



Confidential Trade Secrets



# Demo: Parking Zone Details

3410 Foster City -> Zone: Flemmings

BLDG-FLM-120



BLDG-FLM-121



BLDG\_FLM\_250\_145\_220\_151



FL\_Cam101\_1



QUAD\_FLM\_001\_040\_220\_129



FL\_Cam101\_3



FL\_Cam102\_3



QUAD\_FLM\_002\_036\_220-130



FL\_Cam103\_1








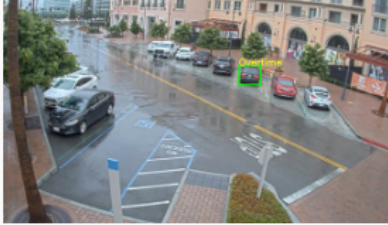





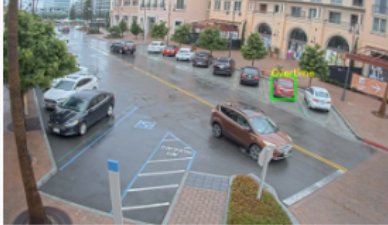






QUAD\_FLM\_004\_054\_220\_133

FL\_Cam104\_3

QUAD\_FLM\_004\_056\_220\_133



# Demo: Parking Alerts

Active Parking Alerts	Active Security Alerts	
 Whole Foods : WF_C11_012 Entered: 12:03 PM Elapsed Time: 2:16 Hrs 	 Whole Foods : WF_C04_006 Entered: 12:01 PM Elapsed Time: 2:18 Hrs 	 Sur La Table : ST_D02_007 Entered: 12:01 PM Elapsed Time: 2:18 Hrs 
 Opa! : OP_R02_015 Entered: 11:55 AM Elapsed Time: 2:24 Hrs 	 Sur La Table : ST_D01_002 Entered: 01:25 PM Elapsed Time: 0:54 Hrs 	 Sur La Table : ST_D02_008 Entered: 11:39 AM Elapsed Time: 2:40 Hrs 
 Specialty's : SP_C08_005 Entered: 10:28 AM Elapsed Time: 3:51 Hrs 	 Opa! : OP_R01_009 Entered: 11:23 AM Elapsed Time: 2:56 Hrs 	 Whole Foods : WF_C10_013 Entered: 11:17 AM Elapsed Time: 3:02 Hrs 

# Demo: Live Video Streaming

SLP\_CHS\_115\_079\_220\_143\_Chase\_Entrance



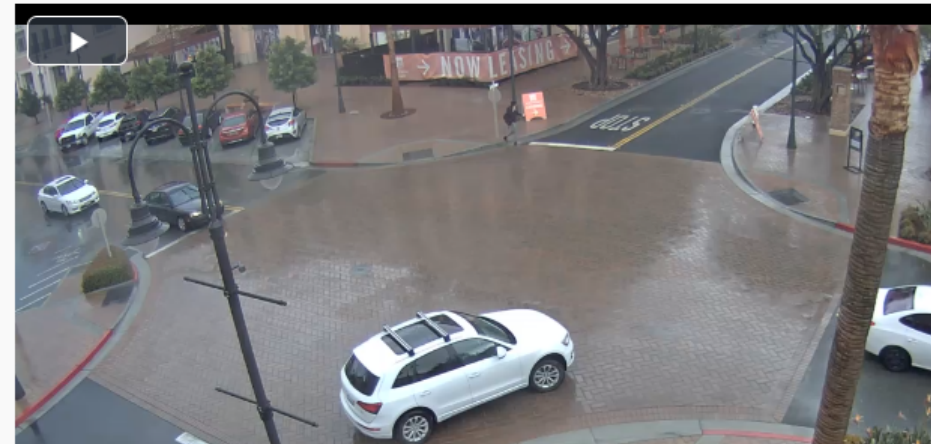
SLP\_SPY\_117\_090\_220\_145\_Specialty's Entrance



SLP\_WFM\_114\_093\_220\_142\_Whole\_Foods\_Entrance



BLDG\_01\_Verizon\_Entrance





# Demo: Video Search

Search

police

mm/dd/yyyy

mm/dd/yyyy

1687 Santa Clara Square, Nov 17, 02:35pm  
police

police car black

1688 Santa Clara Square, Nov 18, 03:45pm  
police

police car white

1703 Santa Clara Square, Nov 18, 08:30am  
police

police car black

1766 Santa Clara Square, Nov 20, 06:56am  
police

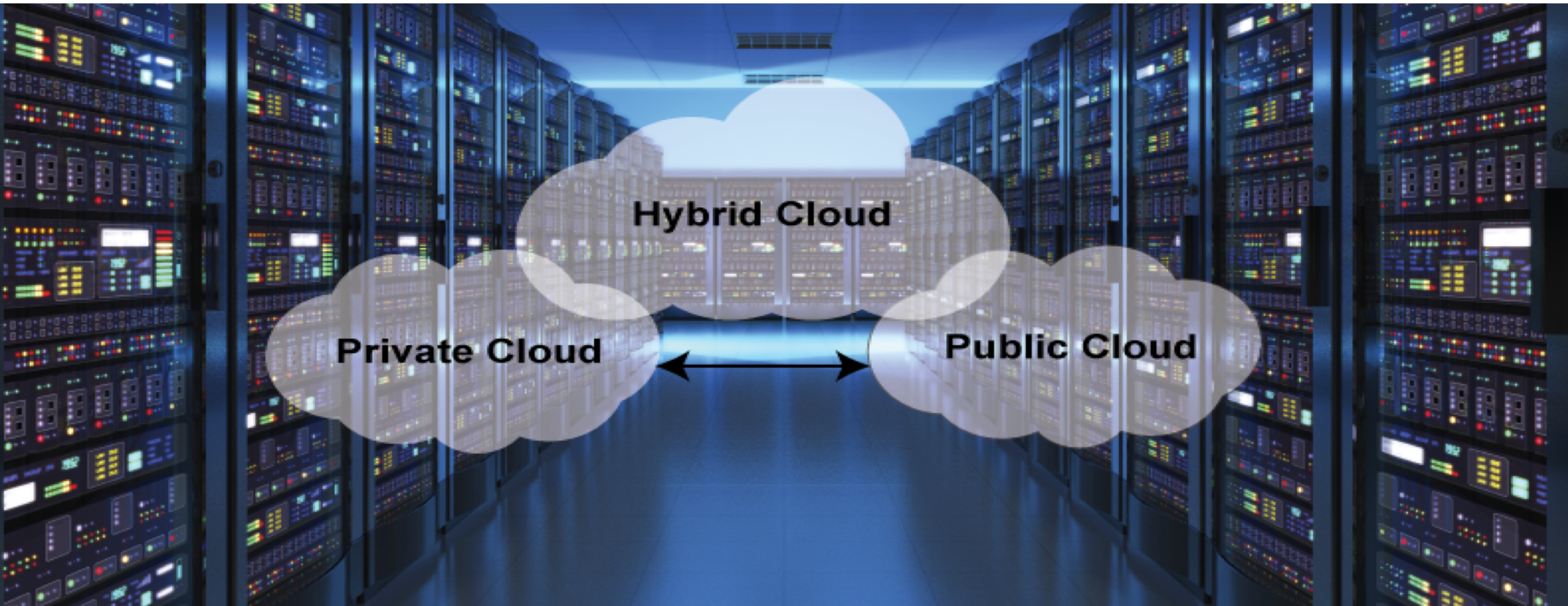
police car black

Session streamed with GStreamer

Session streamed with GStreamer

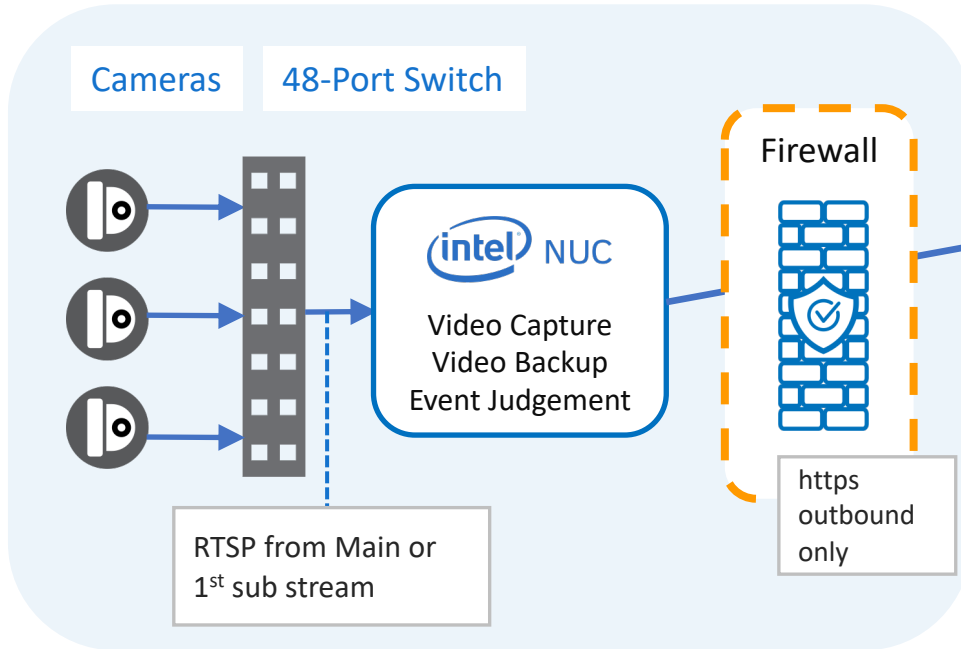


# Infrastructure

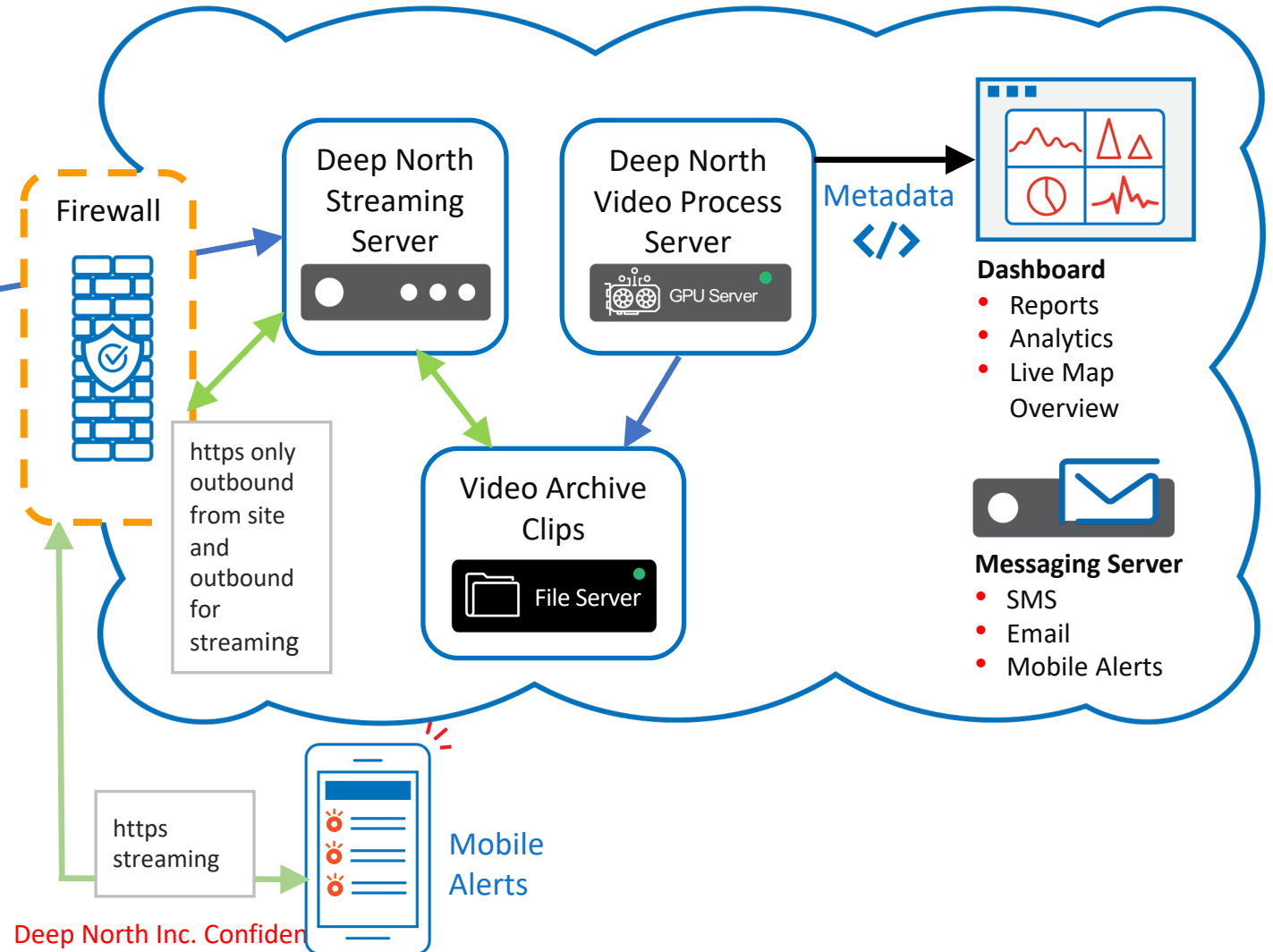


# Deep North Cloud System Architecture

## On Premises



## Cloud (GCP, Azure, AWS, Deep North Cloud)





# Thank You

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For more information, contact:

Michael Adair / CEO / [michael.adair@deepnorth.com](mailto:michael.adair@deepnorth.com)  
/ (650) 336 3888

Rohan Sanil / Co-Founder, SVP Products /  
[rohan.sanil@deepnorth.com](mailto:rohan.sanil@deepnorth.com) / (510) 710 5807

Prakash Atawale / VP Engineering  
[Prakash.Atawale@deepnorth.com](mailto:Prakash.Atawale@deepnorth.com) / 650-714-5759