



PRODUCT CODES

Onsite Instructor-Led: 300-00414
 Self-Paced eLearning: 320-00019

Use Case: Video Streaming Management

COURSE OVERVIEW

In this lab based course, the student will gain the necessary theoretical and practical understanding of the Video Streaming Management use case for ANI. This course explains how to configure the use case to control a subscriber's video traffic using subscriber or session level information such as subscription plan, location, device, and radio access technology. In addition, the course will explain and demonstrate the use of Time objects in the ruleset to perform time of the day type policies.

The course will also include the configuration steps required to write statistics to the Insights Data Storage System in order to run the Video Streaming Management dashboard in Deep Insights.

In the lab portion of the course, the student will deploy an example video streaming management solution which implements the typical features seen in real life deployments. The lab exercise will further cement the concepts presented in the lessons and provides the practical ability to design, configure, verify and monitor a Video Streaming Management use case deployment.

Modality	Hands-on Labs?	Intended Audience / Roles	Duration (Instructor-Led)	Prerequisites
Onsite Exclusive (Instructor-Led)	Yes	<ul style="list-style-type: none"> Use Case Deployment Engineer Field Engineer 	1 Day	<ul style="list-style-type: none"> ANI Essentials
Self-Paced eLearning (video-based)				

Course Content

- Video Streaming Management - Introduction**
 - Understand the purpose of Video Streaming Management
 - Understand the role of each ANI component in the solution
 - Understand how video streaming management can be deployed alongside other use cases
- ANI Score Engine – Installation and Configuration**
 - Learn how to install and configure the ANI Score Engine
 - Lab exercise: Install and configure the ANI Score Engine
- Video Streaming Management - Subscriber to IP Mapping and attribute provisioning**
 - Understand the purpose of subscriber mapping and the attribute required to control the use case.
 - Understand how to use Policy Maps in Maestro to perform a mapping of location or device types to video resolution
 - Understand the attributes which should be mapped for the Video Streaming Management dashboard in Deep Insights.
 - Lab exercise: Configure and verify a policy bundle for subscriber mapping and session context column provisioning.



- **Video Streaming Management – Creating a Ruleset**
 - Understand how to create a ruleset with shapers for a video streaming management solution
 - Create service objects to identify video traffic to be managed.
 - Creating shaping object and shaping rules
 - Understand how to set the precedence of shaping rules to implement the requirements of a typical Video Streaming Management use case.
 - Lab exercise: Create a ruleset to implement the requirements of the example video streaming management use case deployment. Test the ruleset for a set of different scenarios based on plan, device, location, RAT type and time of the day.
- **Video Streaming Management - Configuring Statistics for Deep Insights Dashboard**
 - Understand how to configure the ActiveLogic to write the necessary statistics for the Video Streaming Management Deep Insights dashboard
 - Verify the collection in ActiveLogic and Insights Data Storage
 - Verify that data is presented in Deep Insights
 - Lab exercise: Configure ActiveLogic to write statistics and confirm the collection of statistics in the Insights Data Storage database only (the lab does not include the ANI portal or Deep Insights).
- **Video Streaming Management – Video Streaming Management Dashboard**
 - Understand the licensing requirements
 - Learn how to create a snapshot and why
 - Understand the dashboard features

Also Consider:

- ANI Essentials (Prerequisite for this course)
- Installing & Configuring ANI
- Troubleshooting ANI
- Advanced Shaping for ANI
- Advanced SandScript for Maestro Policy Engine
- Policy Enforcement for ANI
- Subscriber Mapping for ANI

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USA
5800 Granite Parkway
Suite 170
Plano, TX 75024
USA

EUROPE
Svärdfiskgatan 4
432 40 Varberg,
Halland
Sweden
T. +46 340.48 38 00

CANADA
410 Albert Street,
Suite 201, Waterloo,
Ontario N2L 3V3,
Canada
T. +1 519.880.2600

ASIA
RMZ Ecoworld,
Building-1, Ground Floor,
East Wing Devarabeesanahalli,
Bellandur, Outer Ring Road,
Bangalore 560103, India
T. +91 80677.43333

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