

# *Register for UDgateway Training*

Boost your skills with



UDcast's UDgateway Training



# UDcast

FULL IP OVER BROADCAST MEDIA

## UDgateway Training

From the leader in the IP networking over satellite, you will get a 2 day training on UDgateway theoretical and practical aspects.

The training is delivered at the UDcast Headquarters situated in Sophia-Antipolis, one of the leading technology parks in Europe, which is located on the French Riviera, 20 minutes drive from the Nice International Airport. This airport is reachable with all major Airlines, as well as with a substantial number of low-cost airlines directly from many cities in Europe. Hotels are available in the technology park itself, as well as in nearby larger towns like Nice, Antibes or Cannes.

During the training you will have the opportunity to meet key UDcast people involved in the development of UDgateways, as well as the UDcast business people who are intimately familiar with the worldwide IP networking over satellite landscape.

The training includes on-site lunch and refreshments. Training hours are approximately from 09:00 to 18:00 with a 1 hour lunch break.

## Training Pre-requisites

To fully benefit of this course, you should have a basic knowledge of network with TCP/IP protocol understanding.

# Course Outline

## Day 1

### ■ Introduction

- > Introduction to IP over satellite technologies (DVB-RCS, DVB-S, VSAT, ...)
- > TCP/IP and satellite: problematic and limitations
- > Why UDgateway: a satellite aware IP appliance
- > UDgateway product positioning
- > Quick review of UDgateway features

### ■ UDgateway - The Basics

- > UDgateway models
- > Hardware
- > Software architecture
- > Useful Tools

### ■ UDgateway - Initial Configuration

- > Installation Planning guide and Site Description form
- > “Step by Step” configuration using the UDadmin Wizard
- > Test your UDgateway initial installation using the UDadmin Tools

### ■ UDgateway - Network Topologies

- > **UDgateway deployment scenarios**
  - UDgateway for simple Internet access (Internet Only mode)
  - UDgateway in a fully secured network (VPN Only mode)
  - UDgateway for both Internet and VPN access
- > **UDgateway and VPN integration**
  - VPN scenarios and topologies
  - Locating the VPN head-quarter unit (hub & spoke versus meshed topology)
  - Integration with an existing terrestrial VPN
  - Integration with existing firewalls/concentrators at the head quarter site

# Course Outline

## Day 2

### ■ UDgateway - Advanced Configuration

#### > **UDgateway features reviewed one by one in detail**

- Feature configuration
- Common/potential issues with the feature
- Troubleshooting the feature
- Hands-On (WEB interface, CLI interface)
- Exercises

#### > **UDgateway features**

- IP Routing
- DHCP Server
- DNS Proxy
- SMTP Proxy
- NAT
- Firewall
- TCP acceleration
- TCP Proxy
- HTTP Proxy
- FTP Proxy
- Quality of Service
- VPN feature

### UDgateway - Advanced Troubleshooting

- > Performance analysis
- > Performance tools
- > Unix Troubleshooting tools

### ■ UDgateway - Upgrades

- > Rebuild your UDgateway
- > Upgrade your UDgateway

## Products Covered

- > UDgateway
- > UDstation-Access

## Materials, Ressources

### ■ Materials provided to the trainee

- > Copies of presentation
- > UDgateway manuals
  - UDgateway Installation Planning Guide
  - Installation Guide
  - Advanced Configuration Guide
- > Participants attending the full duration of the training, and completing the hands-on configuration process will be provided with certification as being UDcast trained

### ■ Materials provided during the training

- > Windows computer (2 trainees per computer maximum)
- > UDgateway (2 trainees per UDgateway maximum)
- > Satellite modem or satellite simulator
- > UDstation-Access

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