



The OpenCable Application Platform (OCAP™) defines a Java-based application programming platform for interactive content, services and games that runs on tru2way™ devices. Part of the CableLabs OpenCable™ initiative, OCAP has been adopted as a standard by the SCTE and ANSI to ensure that interactive television applications can be deployed across multiple platforms and network systems.

OCAP Essentials

Vidiom Systems presents OCAP Essentials—the cable industry's only 2-day technical examination of OCAP middleware, applications, OpenCable host devices and network requirements. Taught by Vidiom's OCAP experts, OCAP Essentials delivers the technical instruction you need to sharpen your understanding of the OCAP platform. During this course, you will learn about the following OCAP topics:

- network requirements
- Tru2way Host requirements
- middleware architecture
- application requirements
- monitor application

Proven Experience

Vidiom engineers and architects have been key contributors to the development of OCAP and the OpenCable initiative since its inception and are among the first to develop an OCAP-compliant middleware stack, applications and developer tools.

Course Format

OCAP Essentials is a seminar course designed as a comprehensive, but concise introduction to the OpenCable initiative and OCAP platform. Material will be presented primarily through slides with time to address questions.

Who Should Attend

- Application developers
- Service providers
- Content providers
- Broadcasters
- Technology providers
- CE manufacturers
- Interactive TV companies

Attendee Requirements

Familiarity with interactive applications, digital cable television and set-top box receivers is encouraged but not required.

When

Go to www.vidiom.com for the latest course schedule or contact Vidiom Training at training@vidiom.com.

Where

All training courses will be held at Vidiom's state-of-the-art Training Center in Broomfield, Colorado.

Cost

\$2,000 per person
Refreshments and lunch will be provided.

Registration

Go to www.vidiom.com to enroll for OCAP Essentials. Seating is limited for all OCAP courses so register today!

The Vidiom Advantage

Vidiom Systems, Inc. is a leading provider of standards-based iTV solutions and services to the cable, consumer electronics and content industries. Our expertise includes software engineering, platform porting, application development, integration and deployment, testing, technical writing and training. We have years of experience with tru2way, ETV, OCAP and IPTV and can design, build and deploy your solution for interactive television. Founded in 1997, Vidiom Systems is headquartered in Broomfield, Colorado, and has additional engineering offices in Portland, Oregon, and Des Moines, Iowa. Vidiom Systems is a member of the ADB Group of companies (www.adbholdings.com).

*Learn about
OCAP and
tru2way devices
from Vidiom's
OCAP experts.*

OCAP Essentials

Course Topics



OCAP Overview

Introduces the OpenCable Application Platform. Lessons include:

- History of OCAP
- Composition of the OCAP specification
- Related OpenCable specifications
- OCAP applications overview
- OCAP network overview
- Host device overview

OCAP Network Requirements

Discusses the network protocols required to support OCAP applications. Lessons include:

- Network functional overview
- Network changes necessary to support OCAP
- Object carousels
- Application deployment
- Application security
- Application delivery
- Application signaling
- OCAP network APIs

OpenCable Host Devices

Discusses the OpenCable Host requirements. Lessons include:

- Host device overview
- Host 2.1 required functionality
- DOCSIS two-way channel
- Communication signaling
- CableCARD SAS
- Cold boot base configurations

OCAP Middleware

Discusses the OCAP Middleware APIs and required functionality. Lessons include:

- Java execution engine
- Required APIs
- Service information management
- Service context
- Application management
- File Management
- Code download

Monitor Application

Discusses the role and features of the monitor application. Lessons include:

- Monitor application functionality
- Application lifecycle management
- Application security management
- Event filtering
- Application filtering
- Resource management
- Resource management
- File management
- System modules

OCAP Applications

Discusses application types, Xlets, and security. Lessons include:

- Bound applications
- Unbound applications
- Native applications
- Resident applications
- Xlet overview
- Xlet lifecycle
- Application security
- Application authentication

Graphics and Events

Discusses graphical elements of applications, design and display strategies as well as events and event models supported by OCAP. Lessons include:

Lessons include:

- Graphics planes
- Graphics configuration and templates
- Transparency control
- AWT/HAVi APIs
- Font management
- Audio/video control
- Content formats
- OCAP-defined events
- AWT event model
- The DVB event model

Testing and Certification

Discusses OCAP Testing and Certification. Lessons include:

Lessons include:

- Testing and certification overview
- CableLabs ATE
- Emerging testing strategies and solutions



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