



TRAINING ACADEMY

3-D Secure 2.0 masterclass

For more than a century, UL has been one of the most recognized and trusted resources for advancing safety. Its Transaction Security division guides companies within the mobile, payment, data security and transit domains through the complex world of electronic transactions.

UL Training Academy delivers a wide variety of training courses and workshops on both business and technical aspects in diverse payment domains, covering payment technology and regulations, mobile payments, transit, PCI DSS and security. UL Training Academy helps you to build the bridge between complex ecosystems and a successful implementation

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In October 2016, EMVCo released the specifications to 3-D Secure 2.0.

This version offers several important changes that can affect your systems and business. With new components, new flows, new devices and new messaging, this version not only offers significant improvements to the way users can be authenticated in remote payments, but also allows the usage of this protocol for authentication in non-payment use cases.

UL's 3-D Secure 2.0 masterclass provides a deep-dive into this specification, allowing issuers, schemes, vendors and merchants to learn what changed from the previous version, as well as how to prepare for deployment and take advantage of the new features.

What you will learn

How 3-D Secure 2.0 compares to 1.0

What the big changes are in functionality and ecosystem

What impact 2.0 may have on your business

Relation to trends in payment industry such as PSD2 and Open Banking APIs

How 3-D Secure 2.0 works on a technical level

Impact on user experience

Key actors in the 3DS environment and their roles

Risk Based Authentication

Key topics

E-commerce

M-commerce

In-app payments

Fraud reduction

Authentication

Secure (non)-payments

Remote payments

Who should attend?

Payment card issuers

Payment schemes

E-commerce merchants

3DS solution vendors

Developers

Payment product managers

Agenda

High level overview and business considerations

Card-not-present (CNP) transactions 101

The rise and evolution of e/m-commerce

Remote payments, the big picture

The challenge of authentication in remote payments

Who/where is your customer

Risk of CNP transactions

The liability game for CNP

A first attempt: 3-D Secure 1.0

What is 3-D Secure

How does it work

Payment flows, roles and specifications

Challenges of 3DS 1.0

Tradeoffs in usability vs. security

Regional considerations and impact on conversion

3-D Secure 2.0

Drivers for the evolution of 3DS

EMVCo 3-D Secure 2.0

The new ecosystem

Business impact of 3DS 2.0

Business impact for players in the issuer, interoperability and acquirer domain

Backwards compatibility

3-D Secure 2.0 with PSD2 and Strong Customer Authentication (SCA)

Compliance and certification

Additional scheme requirements

UX improvements using 3DS 2.0

Risk-based authentication

Introduction to risk-based authentication

Information available to perform risk-based authentication

Cross-platform experience and user interfaces

3-D secure 2.0 technical deep dive

Component deep dive

Ecosystem overview

3DS server

Directory server (DS)

Access control server (ACS)

Software development kit (3DS SDK)

A typical authentication transaction

Differences between 3DS 1.0 and 3DS 2.0

3-D Secure 2.0 authentication flows (app, browser, out-of-band)

Inter component communication

Message types

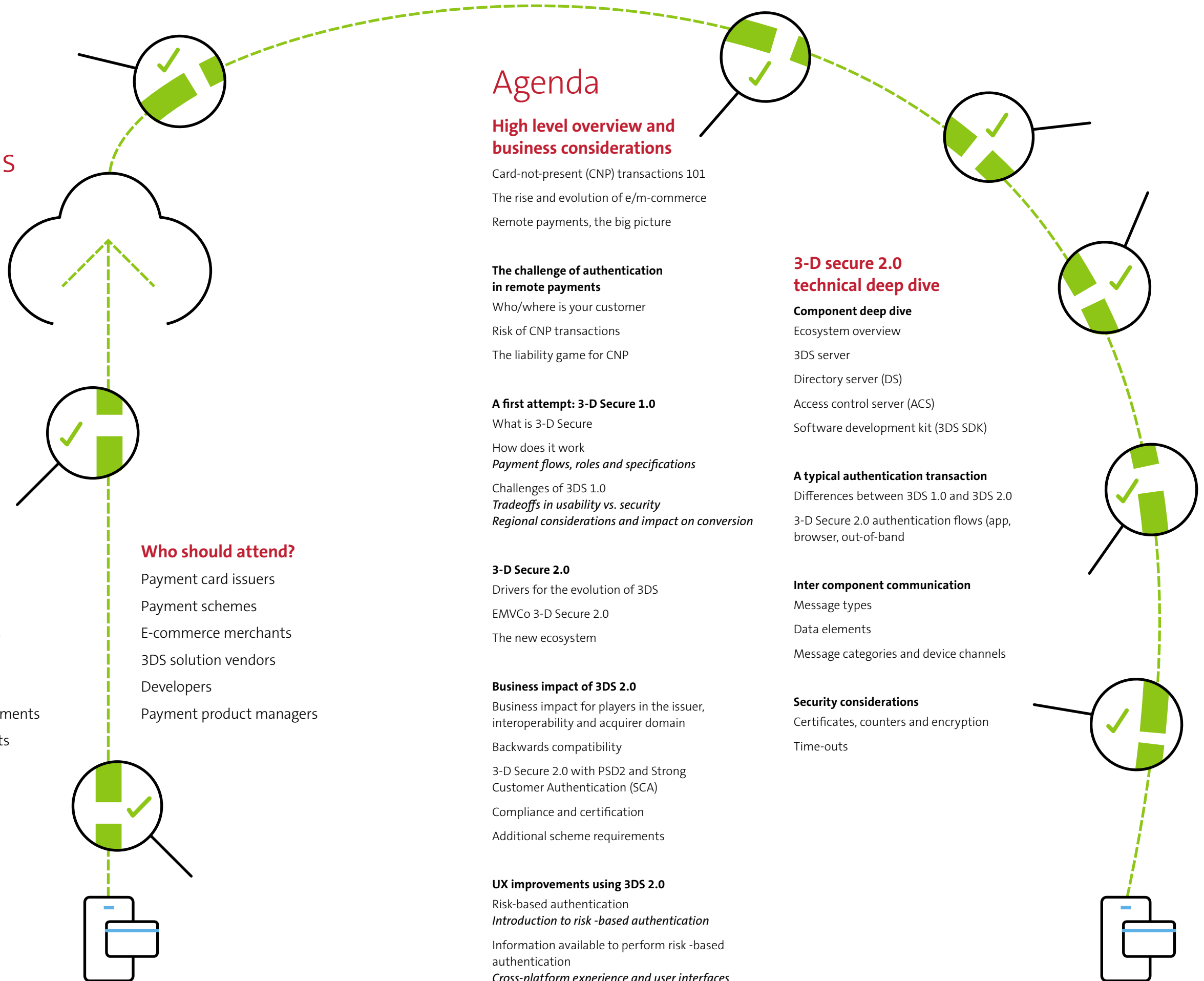
Data elements

Message categories and device channels

Security considerations

Certificates, counters and encryption

Time-outs



General information

Course duration: 1 day

Language: English

Location: Worldwidet

Registration: [IMS.UL.com/Contact](https://ims.ul.com/contact)



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