



ENTRUST

nShield Certified System Developer (nCSD) training course

Service description

nShield® Certified System Developer training is a two-day course in which Entrust presents hardware security module (HSM) application program interfaces (APIs), teaches cryptographic programming techniques, and dissects best practices for integration of Entrust nShield HSMs into commercial applications. We distribute and use sample computer programs to teach best practice coding techniques.

During the execution of the nCSD Training Course, the following agenda topics will be covered;

Day one

- nShield HSM architecture
- Practical session
 - Development environment installation
- Introduction to industry standard APIs
 - Public key cryptography standard (PKCS) 11, Programming Interface
 - Java cryptography extension (JCE)
 - Microsoft cryptography API (CAPI)
 - Microsoft cryptographic API next generation (CNG)
 - Open SSL cryptographic hardware interface layer (CHIL)

Day two

- nShield HSM API principles
 - nCore
- Security World API (NFKM)
 - CodeSafe and CodeSafe/SSL development
- Practical session
 - In depth on one API of customer's choosing

This engagement will provide the following deliverables:

- Copies of all course material
- Sample code

Customer agrees that engagement will be deemed accepted upon execution of course agenda and delivery of course material defined herein.



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In order to successfully execute this engagement, the following dependencies must be complete:

- Training will be done by a qualified instructor
- Entrust will ship two network enabled HSMs to a location to be determined during project planning for on-site training
- System architects and developers in attendance must know the Java or C/C++ programming languages
- We will provide a list of requirements for the customer facility and computing environment requirements necessary for the engagement

Entrust will perform this service on-site at Customer for up to eight (8) attendees, or at regularly scheduled classes at a Entrust facility. Any travel, lodging, or sustenance expenses for on-site service delivery are NOT included in the scope or price of this service offering. The customer agrees to reimburse Entrust for reasonable travel costs incurred during the execution of this Service Offering.

This service description incorporates by reference and is governed by all of the terms and conditions, which can be obtained from: entrust.com/-/media/documentation/licensingandagreements/ncipher-security-worldwide-general-terms-and-conditions.pdf, unless the customer has an existing master services agreement (“MSA”), in which case the terms of that agreement shall govern.

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SKU: PS-TRN-NCSE-*

Learn more

To find out more about Entrust nShield HSMs visit entrust.com/HSM. To learn more about Entrust’s digital security solutions for identities, access, communications and data visit entrust.com



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