



ULTIMACO CRYPTOSERVER HSM
TECHNICAL WORKSHOP (1 DAY)

Syllabus

DAY 1

Session	Session Type	Course Topic
I. Welcome and Course Review		Course Agenda
II. Session 1 What is an HSM? <ul style="list-style-type: none"> • Functionality • Benefits • Requirements Utimaco CryptoServer HSM Range <ul style="list-style-type: none"> • CSe • Se Gen2 • LAN Appliance 	Class	Introducing HSM
III. Session 2 Hardware Architecture <ul style="list-style-type: none"> • Battery Power • Tamper/Alarm Key Storage Options <ul style="list-style-type: none"> • Internal Key Storage • External Key Storage Software Architecture <ul style="list-style-type: none"> • Operating Modes • Modules Software Connection to HSM <ul style="list-style-type: none"> • Operating Modes • Modules CryptoServer Appliance <ul style="list-style-type: none"> • Front and Rear View • Services • Partitioning • Placing into Operation • Management Tools and Utilities 	Class	Hardware and Software Architecture

IV. Session 3	Class	Administration
<p>Administrative Tools</p> <ul style="list-style-type: none"> • Overview • Command Line Tool – csadm • GUI Tool – CAT • Front Panel Administration <p>HSM Communication</p> <p>Users & Groups/Roles</p> <p>Permissions</p> <p>Default User</p> <p>Authentication Types</p> <p>Smartcards and Pinpad readers</p> <p>Basic Administration – CAT</p> <ul style="list-style-type: none"> • Overview • First Login • Configure Smartcard reader • CAT Menu <ul style="list-style-type: none"> a. Status and Diagnostic b. Manage <ul style="list-style-type: none"> i. Users and Tokens ii. MBK iii. Firmware iv. Backup & Restore c. Authentication Token <ul style="list-style-type: none"> i. Smartcard ii. Keyfile <p>Microsoft CSP/CNG Integration</p> <ul style="list-style-type: none"> • Utimaco CSP/CNG Provider • Configuration of Microsoft ADCS with Utimaco CSP/CNG 		