

# Getting Started

Documentation Overview



## Imprint

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Welcome to the documentation of Utimaco's SecurityServer.

The folders in the Documentation directory of the SecurityServer product bundle contain all the information you need to install, set up, administer, and maintain your SecurityServer.

To find out which documents are relevant for you, we provide a guideline for each use case.

Choose the device you are using to see all relevant documents.

→ [CryptoServer Se-Series Gen2 / CSe-Series \(p. 5\)](#)

→ [u.trust Anchor \(p. 10\)](#)

→ [u.trust Anchor cHSM \(p. 12\)](#)

For a full overview of all documents and their file paths, see [Document Table \(p. 14\)](#).

# 1 CryptoServer Se-Series Gen2 / CSe-Series

## Getting Started and Installation

### CryptoServer LAN

- *CryptoServer LAN V5 - Quick Start Guide*

This guide provides step-by-step instructions on how to bring the CryptoServer LAN into service, how to prepare a computer (Windows 7) for the CryptoServer administration and how to start administrating your CryptoServer with the Java-based GUI CryptoServer Administration Tool (CAT).

- *CryptoServer Cloud LAN V5 - Quick Start Guide*

This guide provides step-by-step instructions on how to bring the CryptoServer Cloud LAN into service, how to prepare a computer (Windows 7) for the CryptoServer administration and how to start administrating your CryptoServer with the Java-based GUI CryptoServer Administration Tool (CAT). The CryptoServer Cloud LAN is a CryptoServer LAN in a Utimaco data center being rented by a customer. The customer has only remote access but no physical access.

- *CryptoServer LAN V5 Operating Manual / CryptoServer LAN V5 Betriebsanleitung*

These manuals provide detailed information on the appropriate handling and installation of the CryptoServer V5 LAN appliance in English and German language.

### CryptoServer PCIe

- *CryptoServer PCIe - Quick Start Guide for Linux*

This guide provides a step-by-step instruction on how to bring the CryptoServer PCIe card into service, how to install the CryptoServer driver on a computer with minimal RHEL 7.0 installation and how to start administrating your CryptoServer with the CryptoServer Command-line Administration Tool (csadm).

- *CryptoServer PCIe - Quick Start Guide for Windows*

This guide provides for step-by-step instructions on how to bring the CryptoServer PCIe card into service, how to install the CryptoServer driver on a Windows computer and how to start administrating your CryptoServer with the CryptoServer Command-line Administration Tool (csadm).

- *CryptoServer PCIe Se-Series Gen2 - Operating Manual / CryptoServer PCIe Se-Series - Gen2 Betriebsanleitung*

These manuals provide detailed information on the appropriate handling and installation of the CryptoServer PCIe Se-Series Gen2 in the English and German languages.

## **Setup, Administration and Concept**

- *CryptoServer – Administration Manual*

This manual provides provides a detailed description of the CryptoServer functionality, concepts and security mechanisms. It also describes CryptoServer setup and maintenance.

- *CryptoServer LAN V5 – Administration Manual*

This manual describes how to administer a CryptoServer LAN appliance by using the front panel of the appliance.

## **Administration Tools**

- *CryptoServer - CAT Manual*

This manual provides information on how to administer a CryptoServer PCIe card or a LAN appliance by using the GUI CryptoServer Administration Tool (CAT). It includes detailed descriptions of all available functions.

- *CryptoServer - csadm Manual*

This manual provides information on how to administer a CryptoServer PCIe card or a LAN appliance by using the CryptoServer Command-line Administration Tool (csadm). It includes detailed descriptions of all available commands and their syntax, as well as detailed procedures of common administration tasks.

- *CryptoServer PKCS#11 p11tool2 - Reference Manual*

Detailed description of the CryptoServer PKCS#11 Administration Tool Release 2 (p11tool2) commands.

- *CryptoServer - cxitool Manual*

Detailed information on the cxitool, all available commands and how to generate cryptographic keys, encrypt, decrypt and sign data and verify signatures.

## API Documentation

- *CryptoServer PKCS#11 R3 - Developer Guide (English)*

This guide provides guidance for software developers by creating their own PKCS#11 application with the CryptoServer PKCS#11 library. It describes the cryptographic token interface of Utimaco's PKCS#11 Release 3 provider.

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These manuals provide detailed information on the appropriate handling and installation of the CryptoServer V5 LAN appliance in English and German language.

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- *CryptoServer PCIe - Quick Start Guide for Windows*  
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## Administration Tools



- *CryptoServer - CAT Manual*

This manual provides information on how to administer a CryptoServer PCIe card or a LAN appliance by using the GUI CryptoServer Administration Tool (CAT). It includes detailed descriptions of all available functions.

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## API Documentation

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This guide provides guidance for software developers by creating their own PKCS#11 application with the CryptoServer PKCS#11 library. It describes the cryptographic token interface of Utimaco's PKCS#11 Release 3 provider.

## 2 u.trust Anchor

### Getting Started and Installation

- *u.trust Anchor LAN V5 - Quick Start Guide*  
Step-by-step instructions on how to bring the u.trust Anchor LAN V5 appliance into service, how to prepare a computer for the u.trust Anchor administration and how to start administrating your u.trust Anchor.
  
- *u.trust Anchor LAN V5 FIPS 140-3 - Quick Start Guide*  
Step-by-step instructions on how to bring the u.trust Anchor LAN V5 FIPS 140-3 appliance into service, how to prepare a computer for the u.trust Anchor administration and how to start administrating your u.trust Anchor.
  
- *u.trust Anchor LAN V5 - Operating Manual / u.trust Anchor LAN V5 - Betriebsanleitung*  
These manuals provide detailed information about the proper use of the u.trust Anchor LAN V5 appliance in English and German.
  
- *u.trust Anchor PCIe - Operating Manual*  
This manual provides detailed information about the proper use of the u.trust Anchor PCIe appliance in English.

### Setup, Administration and Concepts

- *u.trust Anchor - Administration Manual*  
Information on u.trust Anchor setup, user management, global configuration, gladm commands and management of cHSMs.
  
- *u.trust Anchor LAN V5 – Administration Manual*  
Information on the setup and administration of the u.trust Anchor LAN V5 appliance.

## API Documentation

- *CryptoServer PKCS#11 R3 - Developer Guide (English)*  
This guide provides guidance for software developers by creating their own PKCS#11 application with the CryptoServer PKCS#11 library. It describes the cryptographic token interface of Utimaco's PKCS#11 Release 3 provider.

### 3 u.trust Anchor cHSM

#### Setup, Administration and Concepts

- *u.trust Anchor - Containerized Hardware Security Module (cHSM) - Administration Manual*  
Information on cHSM setup, user management, global configuration and maintenance of cHSMs.
- *u.trust Anchor - Containerized Hardware Security Module (cHSM) - User Manual*  
Information for users in the role of a Key Manager or (Cryptographic) User, including the cryptographic services that are offered by the cHSM, like detailed command descriptions for encryption or decrypting services, hashing, key generation and key management.

#### Administration Tools

- *u.trust Anchor - csadm Manual*  
Detailed description of all available csadm commands and their usage.
- *u.trust Anchor - cxitool Manual*  
Detailed information on the cxitool, all available commands and how to generate cryptographic keys, encrypt, decrypt and sign data and verify signatures.

- *u.trust Anchor PKCS#11 p11tool2 - Reference Manual*  
Detailed description of the u.trust Anchor PKCS#11 Administration Tool Release 2 (p11tool2) commands.

## API Documentation

- *CryptoServer PKCS#11 R3 - Developer Guide (English)*  
This guide provides guidance for software developers by creating their own PKCS#11 application with the CryptoServer PKCS#11 library. It describes the cryptographic token interface of Utimaco's PKCS#11 Release 3 provider.

## 4 Document Table

The following table gives an overview of which documents apply to which platform.

<i>Manual</i>	<i>CryptoServer</i>	<i>u.trust Anchor</i>	<i>u.trust Anchor cHSM</i>
<b>Quick Start Guides</b> Highest level of product bundle			
CryptoServer LAN V5 - Quick Start Guide	✓	✗	✗
CryptoServer Cloud LAN V5 - Quick Start Guide	✓	✗	✗
CryptoServer PCIe - Quick Start Guide for Linux	✓	✗	✗
CryptoServer PCIe - Quick Start Guide for Windows	✓	✗	✗
u.trust Anchor LAN V5 - Quick Start Guide	✗	✓	✗
<b>Operating Manuals</b> Documentation > Operating Manuals			
CryptoServer LAN V5 - Operating Manual CryptoServer LAN V5 - Betriebsanleitung	✓	✗	✗
CryptoServer PCIe - CSe Series - Operating Manual CryptoServer PCIe - CSe Series - Betriebsanleitung	✓	✗	✗
CryptoServer PCIe - Se-Series Gen2 - Operating Manual CryptoServer PCIe - Se-Series Gen2 - Betriebsanleitung	✓	✗	✗
u.trust Anchor LAN V5 - Operating Manual u.trust Anchor LAN V5 - Betriebsanleitung	✗	✓	✗
u.trust Anchor LAN V5 FIPS 140-3 - Operating Manual	✗	✓	✗
u.trust Anchor PCIe - Operating Manual	✗	✓	✗

Manual	CryptoServer	u.trust Anchor	u.trust Anchor cHSM
Administration Manuals			
Documentation > Administration Guides			
CryptoServer - Administration Manual	✓	✗	✗
CryptoServer LAN V5 - Administration Manual	✓	✗	✗
u.trust Anchor LAN V5 - Administration Manual	✗	✓	✗
u.trust Anchor - Administration Manual	✗	✓	✗
u.trust Anchor FIPS 140-3 - Administration Manual	✗	✓	✗
u.trust Anchor - Containerized Hardware Security Module (cHSM) - Administration Manual	✗	✗	✓
u.trust Anchor CC - Containerized Hardware Security Module (cHSM) - Administration Manual	✗	✗	✓
u.trust Anchor FIPS 140-3 - Containerized Hardware Security Module (cHSM) - Administration Manual	✗	✗	✓
u.trust Anchor - Containerized Hardware Security Module (cHSM) - User Manual	✗	✗	✓
u.trust Anchor CC - Containerized Hardware Security Module (cHSM) - User Manual	✗	✗	✓
u.trust Anchor FIPS 140-3 - Containerized Hardware Security Module (cHSM) - User Manual	✗	✗	✓
Administration Tools			
Documentation > Administration Guides			
CryptoServer - CAT Manual	✓	✗	✗
CryptoServer - csadm Manual	✓	✗	✗
CryptoServer - p11tool2 - Reference Manual	✓	✗	✗

<i>Manual</i>	<i>CryptoServer</i>	<i>u.trust Anchor</i>	<i>u.trust Anchor cHSM</i>
CryptoServer - cxitool Manual	✓	✗	✗
CryptoServer - csadm Manual	✓	✗	✗
u.trust Anchor - csadm Manual	✗	✗	✓
u.trust Anchor CC - csadm Manual	✗	✗	✓
u.trust Anchor FIPS 140-3 - csadm Manual	✗	✗	✓
u.trust Anchor - cxitool Manual	✗	✗	✓
u.trust Anchor FIPS 140-3 - cxitool Manual	✗	✗	✓
u.trust Anchor - p11tool2 - Reference Manual	✗	✗	✓
u.trust Anchor FIPS 140-3 PKCS#11 p11tool2 - Reference Manual	✗	✗	✓
<b>CryptoServer APIs</b> Documentation > Crypto APIs			
CryptoServer - PKCS#11 R3 - Developer Guide	✓	✓	✓
Utimaco HSM Simulator - Learning PKCS#11 in Half a Day - Using the Utimaco HSM Simulator	✓	✗	✓
<b>Operating Manuals</b> Documentation > Error Reference			
CryptoServer - Error Reference	✓	✗	✓