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To access the on-demand replay of this masterclass, please visit

https://www.wibu.com/wibu-systems-webinars/versatility-in-motion-your-perfect-license/access.html



Agenda



Review of Part I – Basic Settings



Overview of the Product Item Options



Modeling typical licenses (Demo)



False friends and best practice tips



Preview of Part III – Feature-based Licenses

Review of Part I – Basic Settings



Review of Part I – Basic Settings

- Implementing a new Firm Code
- Configuring the available Firm Codes
- Global settings for license creation
- Global settings for support processes
- Setting up CmContainer types



Overview of the Product Item Options



Product Item Text

Description

- License Description
 - Product name
 - Name of the enabled functionality
- Does not offer any security
 - Modification without CodeMeter License Central possible

License Models

All license models

License Quantity

Description

- Count of the concurrent licenses:
 - network and
 - stand-alone (local)
- Available access modes:
 - UserLimit
 - StationShare
 - NoUserLimit

- Concurrent Licenses, Floating Network Licenses
- Countable license properties like axis, nodes, ...

Expiration Time

Description

- License is valid until...
- License is checked against CodeMeter System Time
- Offline use, no Internet connection needed
- Can be set absolute or relative
- Rules for automatic renewal in CodeMeter License Portal

- Time-based licenses
- Subscriptions
- Trials, Demos
- Time-contingent licenses
- Field engineer licenses

Feature Map

Description

- Up to 32 different modules or versions can be bit-encoded
- Feature Code is part of the encryption process
- (Feature Code & Feature Map) == Feature Code

- Version-based licenses
- (Feature-based licensing)
- Flagging versions or editions

Maintenance Period

Description

- Expiration affects the right for updates, not the usage of the license
 - Old versions keep running after expiry of the maintenance period
 - New versions released within the maintenance period run instantly
- Release Date is part of the encryption process
- Start Maintenance Period ≤ Release
 Date ≤ End Maintenance Period

- Version-based licenses
- Maintenance contracts
- Support contracts

Unit Counter

Description

- Counter charged via CodeMeter License Central
- Decrement at runtime
- Counter recharged via CodeMeter License Central
- Encryption-based tamper-proof
- Tamper-proof feedback channel via Context File

- Pay-Per-Use licenses
 - Pre-paid
 - Post-paid
- Elapsed operation time
- Overflow/standby licenses
- (Emergency licenses)

Named User Licenses

Description

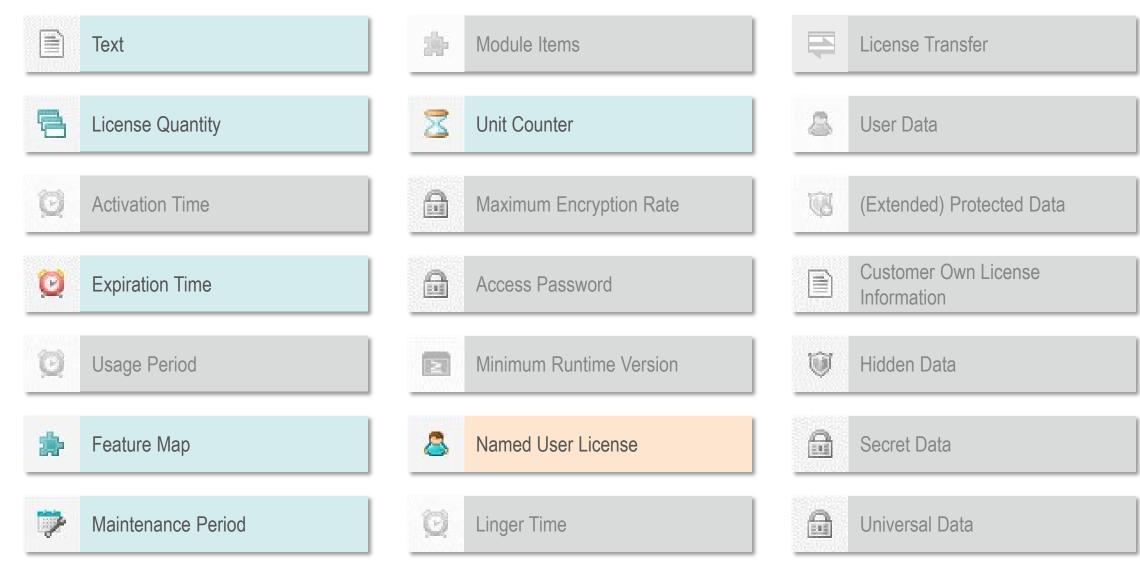
- Binding to a user
 - username
 - username & domain
 - user defined text (defined by vendor)
- Automatic check during access
- Stored as hash or plain
- Rules in CodeMeter License Portal for changing the users

License Models

Named User License



Product Item Options



Modeling typical licenses (Demo)



False friends and best practice tips



Usage Period

Description

- License is valid for ... days from first use
 - First call of an encryption / decryption operation
- Time stamp of first use is stored in CmContainer
- Expiration is checked against CodeMeter System Time
- No friend of CodeMeter License Central
 - No return of started Usage Period

- Emergency Licenses
- Pre-delivered demo/trial licenses

False Friends and Best Practice Tips

- Usage Period
 - → Use relative Expiration Time
- Activation Time
 - Checked against Certified Time
 - Internet connection needed
 - → Use in online projects only
- Constraints
 - Complex rule
 - Verification in the sequence of generation
 - → Implement custom constraints

- Activation Count > 1
 - → Implement process and rules for reactivation
- Update and UpdateAdd items
 - → Use Replace, if possible
- Multiple license entries per item
 - → see part III
- Feature Map
 - Limited usage for feature-based licenses
 - → see part III

Preview of Part III – Feature-based Licenses

Cliffhanger ...



Two Approaches for Feature-Based Licenses

Within single Product Item

- Same root key for all features
- Difficult to realize Expiration Time or License Quantity per option
- Usage of Feature Map
 - Limited to 32 features
- Usage of proprietary data
 - No out-of-the-box support in CodeMeter License Central

With separate Product Items

ity thanks to different root Betta **Seature**

Module Items n be set individually

needs to be set individually

correlation between Product Items for usage or license transfer





Type your questions in the chatbox



Thank You!

Let's keep in touch

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