

# Automatic License Updates

Usability and Usership

**SECURITY  
LICENSING**

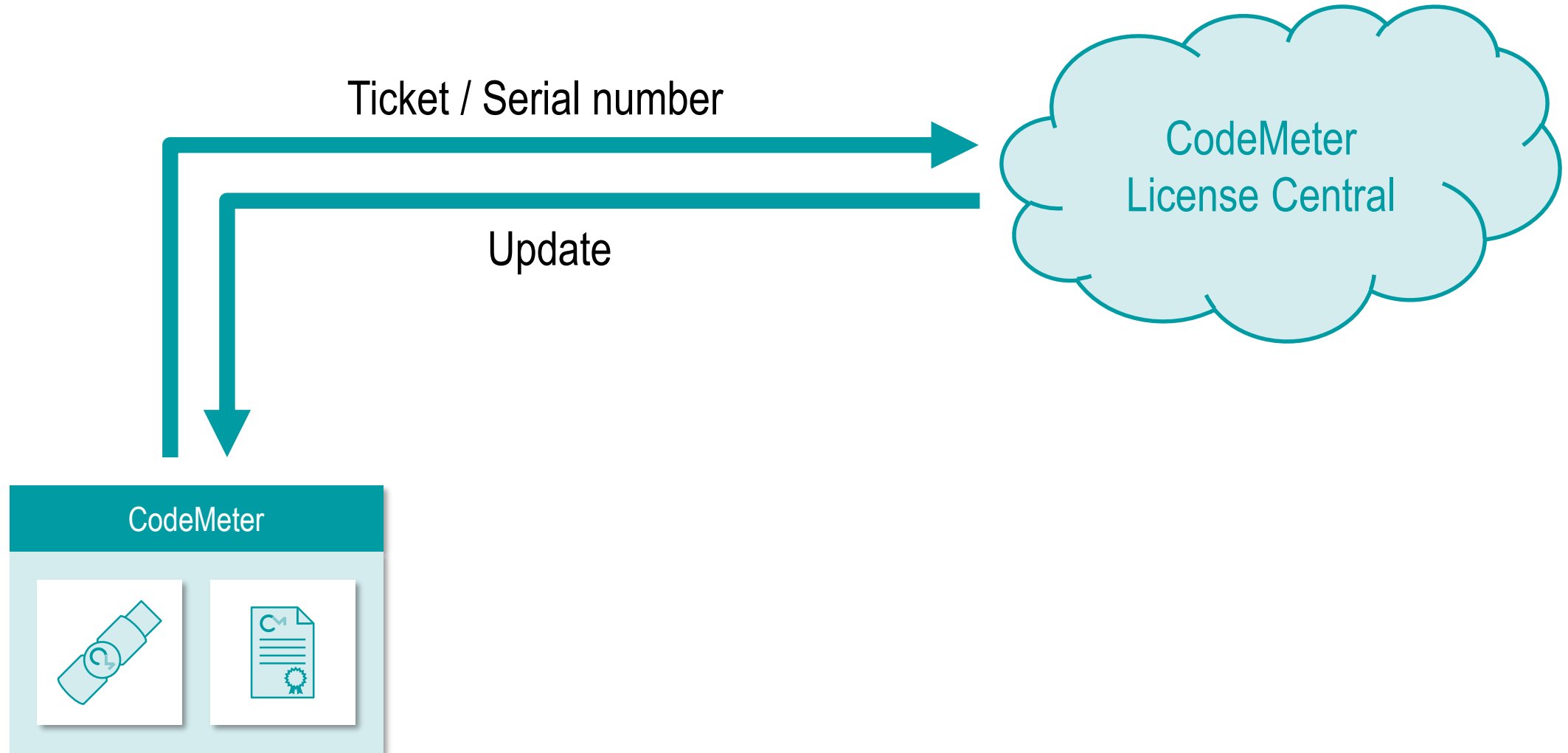
**PERFECTION IN PROTECTION**



Ruediger Kuegler  
VP Sales & Professional Services

Joerg Jans  
Professional Services

# What are automatic license updates?



# Use Cases

- Subscriptions, rental schemes, leasing models
- Licenses with maintenance contracts
- Customer purchases new features or requests an upgrade for an existing license
- Perpetual licenses that should expire in case of loss
  - Service technicians, partners, sales, R&D, training, ...
- Withdrawal of lost or refunded licenses
- Locking a lost CmContainer
- Customer doesn't pay on time

# Updating Licenses in CodeMeter License Central

## Create Order

### Order Details

**Customer Id**

5000

**Comment**

- Create new ticket
- Use ticket from Order Id
- Use assigned CmContainer

3-3869680

- Use existing Ticket Id

License Id

License Name

Quantity



OK

- Licenses are bound to a CmContainer
- Collection also possible without ticket
  - Action available as auto-update
- After returning the license, the binding is removed
- User Interface
  - All the CmContainers that the customer has already activated
  - All the CmContainers that you assigned to this customer explicitly
- Web service
  - Any CmContainer



## Withdraw licenses for order: CMLC-20190924-000052

Results 1-1 of 1

<input type="checkbox"/>	<u>Item Id</u>	<u>Item Name</u>	License Properties	License State
<input type="checkbox"/>	<u>SNP-201-001-01-S-100</u>	SampleNotePad - Change Font Module - Single User	-	<b>1</b>

Activation comment: WebDepot vXX.XX.XXX.XXX.ws.offline

Cancel withdrawal

Withdraw selected licenses

[<< Back to order details](#)

- Removes a license from a CmContainer and a ticket
- License not activated
  - License is immediately removed from the ticket (deleted)
- License already activated
  - License will be deleted from the CmContainer at the next action
  - Action available as auto-update
  - After successful deletion (receipt) the license will be removed from the ticket
- User Interface
  - To be found under “Order – Search”

## Add Item to Order

**Add Item to Order**

<b>Item Id</b> SNP-201-000-01-F-200	<b>Item Name</b> SampleNotePad - Basic Module - Floating User
<b>Quantity</b> 1	
<b>Comment</b> <div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>	
<input checked="" type="checkbox"/> replaces a license	
<b>Item Id:</b> SNP-201-001-01-S-100 • <b>Item Name:</b> SampleNotePad - Change Font Module - Single User • <b>Details:</b> Activation date: 2019-09-24T14:16:30(Confirmed), Firm Code6000010 on CmContainer: 3-4766649	

**Order specific parameter**

**Users** (License Quantity / Add)

- An existing license is replaced with a new license
- Existing license not activated
  - Existing license is immediately removed from the ticket
  - New license can be activated in any CmContainer
- Existing license already activated
  - Existing license is set to be withdrawn
  - New license is bound to a CmContainer
  - Action available as auto-update

- Possible actions, if activated
  - Simultaneous activation of the new license and withdrawal of the existing license
  - The existing license is returned and the binding of the new license is removed
  - New activation (reactivation) of the new license in a new CmContainer, if the existing license is entitled to be reactivated

## CmContainer

### Add new CmContainer to Blacklist

CmContainer Serial Id

Description

### Search Blacklist

CmContainer Serial Id

No results

<u>CmContainer Serial Id</u>	<u>Placed on Blacklist</u>	<u>Locking license sent</u>	<u>Locking validated</u>	<u>Description</u>
------------------------------	----------------------------	-----------------------------	--------------------------	--------------------

Automatic Actions	
Reactivation Behaviour	Set previous CmContainer on blacklist ▼
Automatic update handling	<input checked="" type="checkbox"/>
Automatic license duplicate check	<input checked="" type="checkbox"/>
Accept external created license entries	<input type="checkbox"/>
	<input checked="" type="checkbox"/>
Generate lock license for blacklisting	License Id SNP-201-000-S-001 License Name <u>SampleNotepad Ultimate AddOn</u>

- Behavior when reactivating a license
  - No action
  - Old CmContainer added to the black list
  - License withdrawal
- An auto-update is optionally created to lock down all licenses in this CmContainer (Firm Item)



## Details on CmContainer Id: 130-3331313781

Host Id: FA70-9E37-28A8-9FE9	Computer Name: lap-rk12
Last Activation Date: 2019-09-16T17:22:23	CmContainer State:



▼ License

Results 1-5 of 5

Last Activation Date ▼	Item Id	Name	# Activations	Order Id	Ticket Id	Property	License State
2019-09-16T17:22:23	<u>SNP-201-000-01-F-200</u>	SampleNotePad - Basic Module - Floating User	1	<u>CMLC-20190916-000038</u>	<u>3FJYT-6X5QU-KX9DL-SWTY2-FEXKL</u>	Users: 6	
Activation comment: WebDepot vXX.XX.XXX.XXX.ws.online							
2019-09-16T17:20:50	<u>SNP-201-002-01-S-100</u>	SampleNotePad - Hex View Module - Single User	1	<u>CMLC-20190916-000036</u>	<u>CXUKW-CH86B-S6SPZ-P2YBY-XTF5S</u>	-	

- Deleting all licenses in a CmContainer (Firm Item)
- Removing (deleting) the affected licenses from their tickets
- Removing all links in the database to these CmContainers
- Use cases
  - Restoring in case of error
  - Resetting licenses in the event of a large scale migration to a new licensing concept
  - Reusing a demo dongle for another user

## Create Order

### Order Details

**Customer Id**

5000

Comment




Create new ticket

Use ticket from Order Id

CMLC-20190924-000053

Use assigned CmContainer

Use existing Ticket Id

License Id	License Name	Quantity	
SNP-201-000-01-F-200	SampleNotePad - Basic Module - Floating User <i>Users:</i>	1	 
			

OK

- All licenses are booked on a single ticket
  - Assignment via original PO number
  - Assignment via ticket
- The ticket is stored in the license
- The updates will be picked up using the ticket

# Automatic License Updates Rollout

- Uses “Single-Ticket Approach”
- First license is activated with a ticket
  - Ticket is stored in the license
- Software Activation Wizard regularly checks whether there are new licenses in this ticket

- Uses auto-update
- At creation, licenses are bound to the serial number of the CmContainer
- Software Activation Wizard regularly checks whether new licenses exist for this serial number

- Uses “Single-Ticket Approach”
- Similar to Software Activation Wizard
- Login to WebDepot with ticket
- Configuration:

```
// "selected"      = takes selected licenses only  
// "all"          = takes all licenses  
  
define ("ACTIVATION_MODE", "all");  
define ("DEACTIVATION_MODE", "all");  
define ("REACTIVATION_MODE", "all");
```



- Uses auto-update
- Similar to Software Activation Wizard

- Auto-updates are always executed in the background, before all other actions
- Possible triggers
  - Use of the auto-update function
  - Activation with the corresponding ticket (if known)
  - Background activation for any other action involving the corresponding CmContainer

# Summary

- With automatic updates, licenses can be distributed from the cloud to the local computer
- Cloud licensing that can also be used offline
- Transparent in the background for the user
- Applicable to all the following use cases
  - Subscriptions, rental schemes, leasing models, maintenance contracts
  - Changes (additional features, upgrades) to the current licenses
  - Limited licenses for service technicians and partners
  - Lost CmContainers and licenses

# Thank you for your attention

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Europe: +49-721-931720  
USA: +1-425-7756900  
China: +86-21-55661790  
Japan: +81-3-43608205

<https://www.wibu.com>  
[info@wibu.com](mailto:info@wibu.com)