

# Long-Term Compatibility



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## The Key Role of Long-Term Compatibility

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

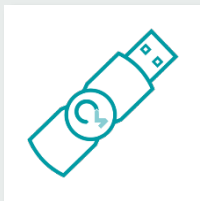
[www.wibu.com/resources/webinars/2021/long-term-compatibility/access](http://www.wibu.com/resources/webinars/2021/long-term-compatibility/access)

# CodeMeter Introduction



## License Server

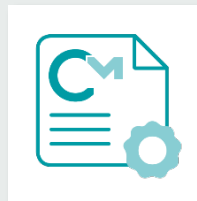
License Server in LAN / WAN



### CmDongle

License container  
in a secure hw element

Bound to a smart card chip



### CmActLicense

License container  
in an encrypted file

Bound to an endpoint

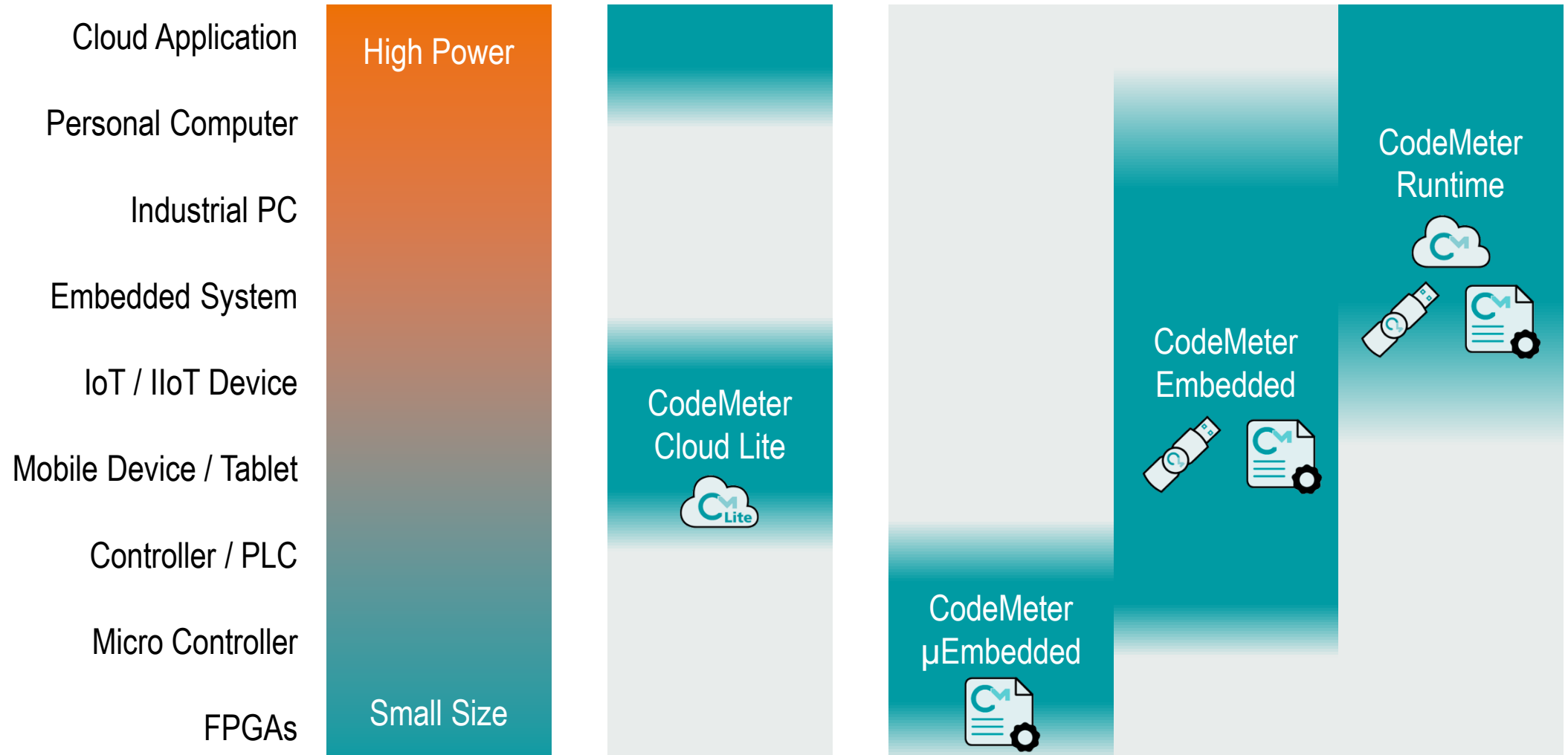


### CmCloudContainer

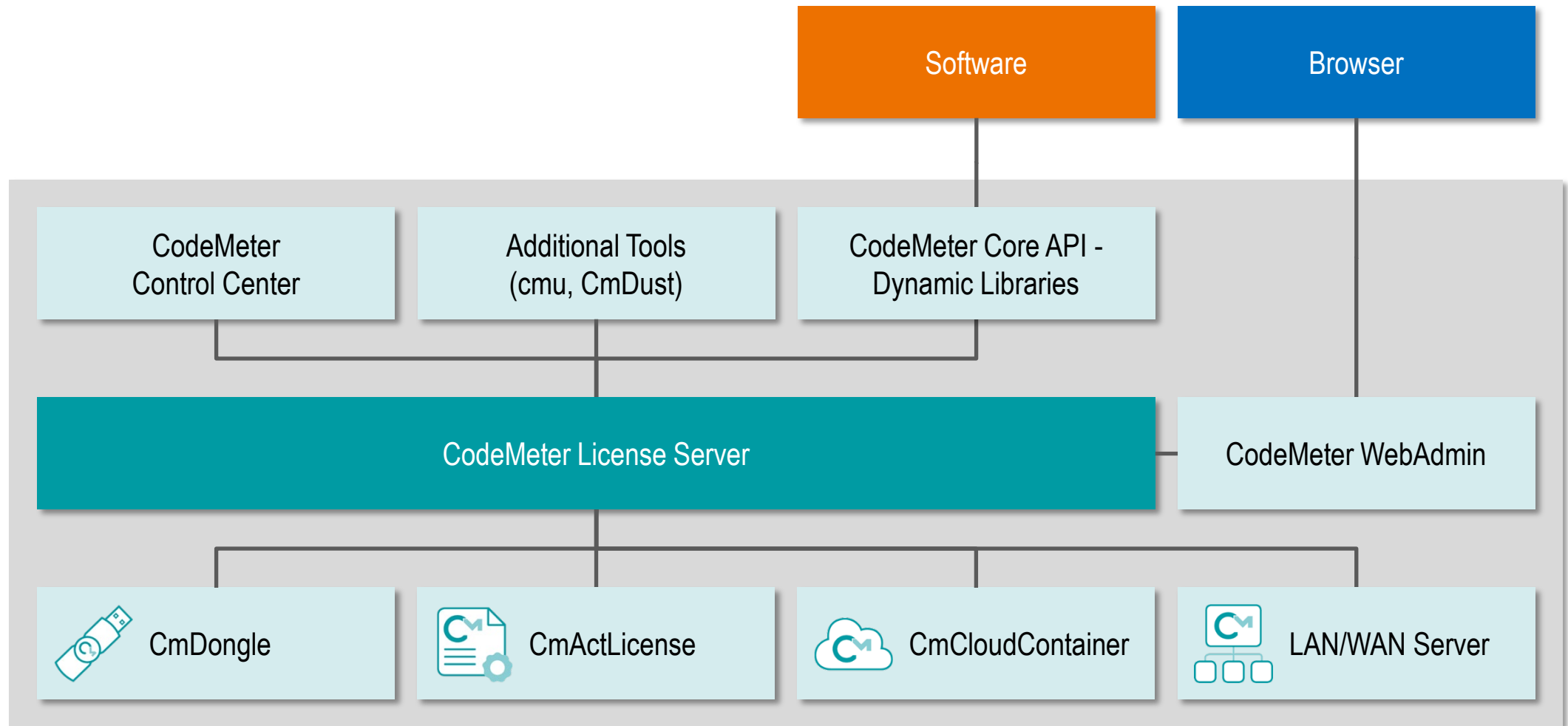
License container  
in the WIBU cloud

Bound to a user

# Scalable CodeMeter Variants



## CodeMeter Runtime – Compatible Middleware



## ■ CodeMeter License Server

- Local license server
- Manages licenses (locally, network)
- Runs as a service (**CmActLicenses**)
- Can run in user's space (**CmDongles**, **CmCloudContainers**)
- Connects to LAN Server, WAN Server or to the Cloud
- **CodeMeter.exe** | **CodeMeterLin** | ...

## ■ CodeMeter Control Center

- Displays locally available / mapped **CmContainers**
- **Field Activation Wizard**
- Event viewer



## ■ CodeMeter WebAdmin

- Displays stand-alone and network licenses
- Displays available and allocated licenses
- Manages network settings
- Manages **Access Control List**
- Shows event viewer (Logging on)
- Shows **License Tracking**
- Access via https and password

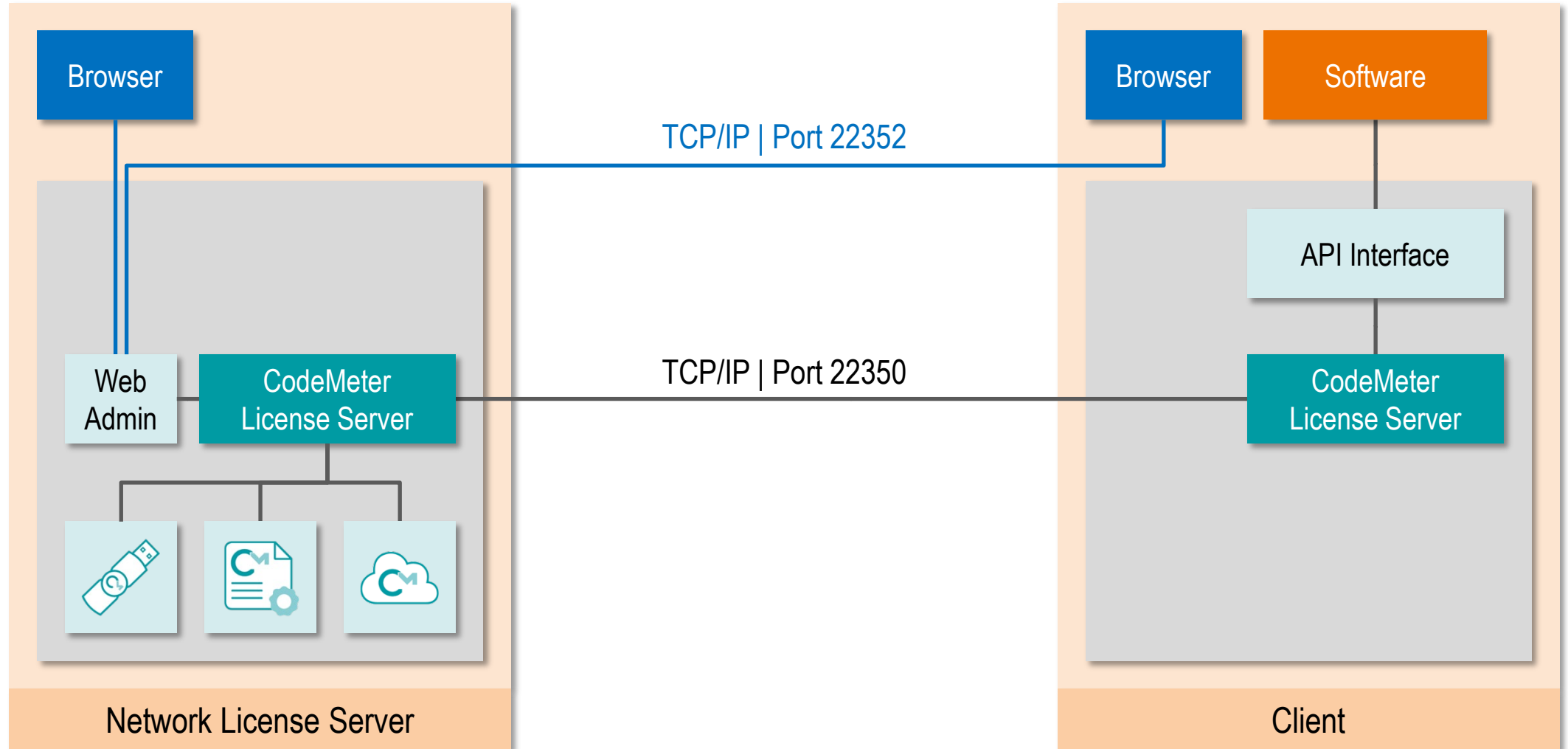
## ■ API Interface

- WibuCm32.dll / .so / .dylib
- WibuCmNet.dll (Framework / .NET Standard 2.0)
- CodeMeter.jar

## ■ Additional Tools

- cmu / cmu32 (command line)
- Shell Extension

- License server locally and in the network
- Counting concurrent licenses locally and in the network
- Viewing licenses (WebAdmin)
- Offline license activation (CodeMeter Control Center)
- Automatic handling of terminal server and remote desktop
- **Release of allocated licenses if software crashes**
- Encrypted communication
- API for software developers



## Vendor 1

**Product Code: 1**

Runtime License

**Product Code: 1.000.001**

Additional function 1

**Product Code: 1.000.028**

Additional function 28

**Product Code: 4.000.000.000**

Operating hour meters

## Vendor 2

**Product Code: 42**

Model: Print Model 42  
Remaining quantity: 1

**Product Code: 43**

Model: Print Model 43  
Remaining quantity : 0

**Product Code: 45**

Model: Print Model 45  
Remaining quantity : 2

## Vendor 3

**Product Code: 1**

Runtime License  
Expiration Time: 2022/31/12

## CodeMeter on Vendor's Side

- CodeMeter SDK including API and tools
  - CmBoxPgm
  - License Editor
  - API Guide
- CodeMeter Protection Suite
  - AxProtector, IxProtector, AxProtector .NET, AxProtector Python, ...
- CodeMeter License Central

- **Any protected application can be used with the same or a newer Runtime**
  - New Runtime versions offer the same functionality as older versions
  - New Runtime versions are compatible with old versions
  - Exceptions: Fixed bugs and interface changes of the underlying operating system
- **Any new SDK version can create licenses for older Runtime versions**
  - No need to update the Runtime on the user's side, in case of SDK updates
  - Exceptions: New features need new Runtime, too

➔ On the user's side, **any** Runtime version can be used.

- Any new SDK can create a protected software for an older Runtime version
    - Setting the minimum Runtime version
    - Automatically disabling non-supported features
  - Older SDK version should be compatible with newer Runtime versions
    - Vendor doesn't need to upgrade SDK, in case of new Runtime release
    - Exceptions: New features, important security improvements
- ➔ On the vendor's side, the **latest** SDK version is recommended. In most cases, older SDK versions can still be used.



- APIs will be extended, not changed
  - CodeMeter Core API
  - High Level Programming API
  - CodeMeter License Central API
  - CodeMeter License Central Extension API
  - Wibu Universal Protection Interface
- New functions marked with a number at the end (CmAccess2)

- **User's side:**
  - No need to update CodeMeter Runtime
  - No problems, if CodeMeter Runtime is updated
- **Vendor's side:**
  - Update is recommended
  - No problems with older Runtime versions, if update is executed
  - Update is not needed in most cases

# CodeMeter Containers

- One Universal Firm Code to be used with all CmContainer types
  - CmDongles
  - CmActLicenses
  - CmCloudContainers
- Integrate CodeMeter once in your software, then choose the CmContainer type
  - Individually for every customer
  - CmCloudContainers require **CodeMeter version 7.0** or higher

- Continuous improvements of **CodeMeter SmartBind®**
- New CodeMeter Runtime includes improved fingerprint creation for SmartBind
  - **Newly created** CmActLicenses will use new fingerprint formula
  - New formula on Runtime's side are compatible with older SDK versions on vendor's side
- The usage of new options on Runtime's side requires SDK updates on the vendor's side (EWF-support, allow-restore, ...)
- Improvements: **Azure, AWS, Docker, ...**

# Support Agreements

- **Free**
  - Best effort
  - Support available for end users as well
- **Silver**
  - Guaranteed response times
  - Personal contact
- **Gold**
  - Shorter guaranteed response times
  - Personal contact and annual service review

# Professional Service Projects



## ■ Professional Services Projects

- Individual and tailored solutions for software vendors
- Customized portals, individual activation wizards, ...
- Price based on time and material

## ■ Support for Professional Services Projects

- Requires Gold support agreement
- Annual percentage of project price
- Includes bug fixes and adaptations to new operating system, new used third-party tools (PHP, Apache, ...) and CodeMeter License Central versions

# Long-Term Support of Legacy Operating Systems

- **Standard Support for one operating system**
  - Usually, valid as long as the operating system is under mainstream support of its vendor
  - Free of charge
  - Security fixes
  - Includes most new features

- **Extended Support for one operating system**
  - Available when the operating system reaches the extended support phase of its vendor
  - Available as support agreement for one vendor's software (for unlimited devices and end users)
  - Available on request also after the end of the extended support of the vendor's operating system
  - Needs to be purchased within 6 months
  - No new features, security fixes (based on CVE score) only

## Currently Available Packages

SKU	Name	Last CodeMeter Version	Start Extended Support	End of Sales Extended Support	End of Extended Support
6026-02	Extended CodeMeter Support for <b>Windows 7</b>	7.10b	2021-01-01	2021-06-30	2023-01-10
6026-03	Extended CodeMeter Support for Red Hat Enterprise Linux (RHEL) 6 / CentOS 6	6.50d	2021-03-01	2021-08-31	2024-06-30
6026-04	Extended CodeMeter Support for Debian 9	7.10b	2021-01-01	2021-06-30	2022-06-17
6026-05	Extended CodeMeter Support for SUSE Linux Enterprise Server (SLES) 11	6.50c	2021-01-01	2021-06-30	2022-03-31

Thank you very much for your attention



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