Custom Code Lifecycle Management (CCLM) was designed to manage ABAP developments along the entire lifecycle of custom code objects from creation of an object to use in productive systems all the way to clearing of unused custom code objects.

**Scope**
- Detect used and unused custom code in complex SAP landscapes
- Document ownership, contract and other information for custom code
- Automatic refresh mechanism of master data (development class, source system or software component) maintained information like owner, contract or lifecycle status will be untouched
- Transparency of custom code transaction data like quality and version in SAP landscapes

**Benefits**
- Reduction of custom code and replacement by SAP Standard functionality in order to save costs
- Reduce test effort by replacement of custom code
- Use integration and interaction in SAP Solution Manager with other tools (Code Inspecter, Clone Finder)
Introduction

How can SAP customers manage their custom code with Custom Code Lifecycle Management? Why customers should use Custom Code Lifecycle Management?

“Resist the temptation to create new custom code. Once built it remains in your system forever. Uncontrolled custom code footprint leads to high maintenance and operation costs and can lead to unforeseen risks being executed. This results in a high custom code effect in your integrated solution. Discover how SAP helps you achieve your goals of standardizing your solution to ‘Run SAP like a factory’ by realizing transparency, reducing the size and improving the quality of the custom code footprint.”

ASUG, 18.05.2011
CCLM Vision

“Best-Run Customization”
Efficient & Effective Custom Code Lifecycle Management
(LM)

“Take Ownership and Control of Custom Development”
Standardize and document by moving closer to standard

“Transparency and Awareness”
Visualization of all aspects of custom code development
Process – Technical Life Cycle

1. Call Application
2. Upload Library Definition (Management Information Structure)
3. Set Library Instance
4. Schedule Data Extraction
5. Fill Data into Library
6. Maintain Library Data
7. Analysis and Reporting
8. Decision (Clearing, ...)

Transaction CCLM
Library Key = <my_key>
Job Scheduling and Monitoring

CCLM
- Custom Code extraction tools detect custom code, usage, quality and active versions
- Library will be filled with data from extraction staff
- Library is maintained by customer, in particular, customer objects, attributes and their relations
- Analysis and Reporting of custom code usage depending on business
- Decision on clearing of custom code or new investments into new custom code applications
- Library is running on a customer system

Initial Steps | Periodical Steps | Manuel Steps (periodically)
Application CCLM in detail

What are the key functionalities? How the application looks like?
CCLM - Overview
CCLM - Settings
1:N landscape of SAP systems is covered by CCLM

- Automatic data collection from managed systems
- SAP Solution Manager information and RFC destination are re-used
- Monitoring of data collection tools
- Administration of data collection by setting 'Lead Systems'
- Collection of local objects in productive systems ('Local Objects')
CCLM – Library Definition

Custom Code Lifecycle Management

Library Definition

Details of Library: Custom_Code_Library

Objects

<table>
<thead>
<tr>
<th>Object</th>
<th>Description</th>
<th>Maintained</th>
<th>Created at</th>
<th>Time</th>
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<tr>
<td>AnalysisTool</td>
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<td>09:50:42</td>
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<tr>
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<td>Owner of Custom Code Object or Item</td>
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<tr>
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<td>System Information</td>
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</table>
CCLM – XML Library Definition
CCLM - Objects
CCLM – Fact Sheet

**Manual Attributes**
- Lifecycle Status
- Criticality
- Severity
- Application Area
- Distribution Rule
- Contract

**Automatic Attributes**
- Dev. Class
- Author
- Source System
- Ref to System
- ...

**Transaction Data**
- Usage
- Quality
- Version

**Contract & Owner**
- Contract (Type and Title)
- Organizational Unit
- Responsible Owner
- Personal Owner

**Deployment**
- System ID (in which the objects exists)
- Date when first found in System
- Date when last found in System

**Duplicate**
- Link to Duplicate object with identical name from different source system
- System ID of Duplicate

**Usage** (*Transactions and Programs*)
- System ID (in which CC was used)
- Period
- Counter, how many times executed

**Version** (Programs and Tables)
- System ID
- Version number or Object
- Last Transport Number

* without kernel based logging

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CCLM – Reporting Facts Example with 10 systems

Single Source of Truth

8,000 Objects x 24 Automatic Attributes (incl. 10 Systems) x 52 Weeks = ~10.0 Mio Data points/Year

8,000 Objects x 8 transaction data (usage, version, quality) x 10 SAP Systems x 52 Weeks = ~33.3 Mio Data points/Year

8,000 Objects x 5 maintainable Attributes = 40.0 TSD Data points
CCLM - Reports
CCLM – Ad-Hoc Reporting