CM
Configuration

EP 5.0 SP5 – What's new

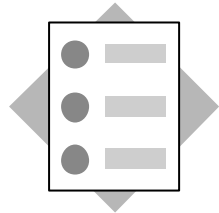# CM Configuration

Content Management

▶ **What's new**

▶ CM Repository

▶ Hot Reload

▶ W2K Security and Mount Service

▶ KM Components Monitor

▶ Caches and Cache Monitor

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CM Configuration: Unit Objectives

At the conclusion of this unit, you will know:

✎ **What is new in the KM configuration**

   ✎ **CM Repository**

   ✎ **Hot Reload**

   ✎ **W2K Security and Mount Service**

   ✎ **KM Component Monitor**

   ✎ **Caches and Cache Monitor**

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CM Repository Manager

Performance improvements

New Features

- ✍ **Dynamic Links**
- ✍ **Simplified Cache Settings**
- ✍ **Content Cache**
- ✍ **Zipped Content**
- ✍ **New Persistence Mode (DBFS)**

View "documents"

Description	
Prefix (must start with /)*	/documents
Repository ID in Database*	documents
Root Directory	
Root Directory for Versions	
Windows Landscape System	
Active	☑
Internal Links Default To Dynamic	☐
Preserve Version Histories	☐
Send Events	☑
Persistence Mode*	DB - All Data in DB
Property Search Manager	com.sapportals.wcm.repository.manager.cm.CmPropertySearchManager
Compress content greater than	-1

Repository Services	**Name**
	properties
	subscription
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ACL Manager Cache	ca_rsrc_acl
ACL Manager Factory	acl_jdbc_rep
Cache	ca_cm
Cache for small content (<32KB)	Not Set
Connection Pool*	dbcon_wcmdb_cm
Security Manager	AclSecurityManager

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Three types of persistence modes

DB

DB
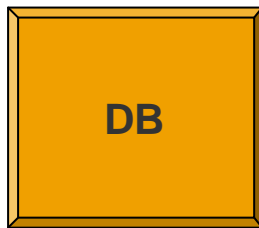
All content is stored in the database

FSDB

FS **DB**
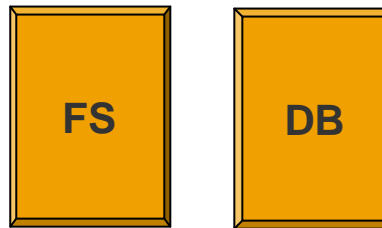
Metadata is stored in the DB and content and folders in the file system

DBFS

DB **FS**
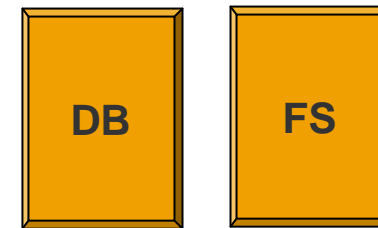
Metadata and folders are stored in the DB and content in the file system

File system/FS

Database/DB

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CM Repository Configuration

View "documents"

Description	
Prefix (must start with /)*	/documents
Repository ID in Database*	documents
Root Directory	
Root Directory for Versions	
Windows Landscape System	
Active	☑
Internal Links Default To Dynamic	☐
Preserve Version Histories	☐
Send Events	☑
Persistence Mode*	DB - All Data in DB
Property Search Manager	com.sapportals.wcm.repository.manager.cm.CmPropertySearchManager
Compress content greater than	-1

Checkbox activates the dynamic link definition

Three types of persistence mode

**-1 -> no content will be zipped
Configuration is carried out in byte-size**

Repository Services

Name
properties
subscription

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|	
ACL Manager Cache	ca_rsrc_acl
ACL Manager Factory	acl_jdbc_rep
Cache	ca_cm
Cache for small content (<32KB)	Not Set
Connection Pool*	dbcon_wcmdb_cm
Security Manager	AclSecurityManager

One cache definition

Definition of small content cache

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Hot Reload

Allows admin to change the system configuration so that the changes take effect immediately
(no restart of portal required)

Changes will take effect on all cluster nodes
(single configuration for all nodes)

Flavors of "Hot Reload" in CM:

- ✍ **Create a new component (e.g. a new repository manager instance)**
- ✍ **Change a component (e.g. local root of fs-rm)**
- ✍ **Delete a component (e.g. User Interface Setting)**

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Creating and Changing a Component

Configuration

Versions" must also be specified. CM repository managers must use a dedicated connection pool.

CM Repository (Deleting configuration objects requires servlet engine restart) ——— **Deletion requires servlet engine restart**

[Filter]

	Name	Description	Prefix	Repository ID in Database	Root Directory	Root Directory Versions	Windows Landscape System	Active	Internal Links Dynamic	Preserv Version Historie
☐	Sailing		/Sailing	Sailing				✔		
☐	attachment		/attachment	attachment				✔		
☐	collaboration		/collaboration	collaboration				✔		
☐	content		/content	content				✔	✔	
☐	discussiongroups		/discussiongroups	discussiongroups				✔		
☐	documents		/documents	documents				✔		
☐	grouphome		/grouphome	grouphome				✔		
☐	mykm		/mykm	mykm	//mykm/tmp/Content	//mykm/tmp/Versions		✔		

[New] [Duplicate] [Edit] [View] [Delete]

ⓘ "content" has been saved; changes take effect immediately ——— **Status message**

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W2k Security Manager and Mount Service

Purpose

- To integrate documents from a Windows file system into KM
- To have permissions that are identical to those in the Windows file system

W2k Security Manager

- Uses ACLs from Windows file system

Mount Service

- Service required to integrate documents from a remote Windows file system

Note: Combine the W2k Security Manager and Mount Service if

- Remote Windows file system ACLs are needed

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W2k Security Manager

Resource
(is file reference)

CM

Portal User Mapping
Portal User <-> Windows User

Check permission

W2K
Security Manager

File System

File

File system security (e.g. Windows 2000 security)

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Mount Service - Overview
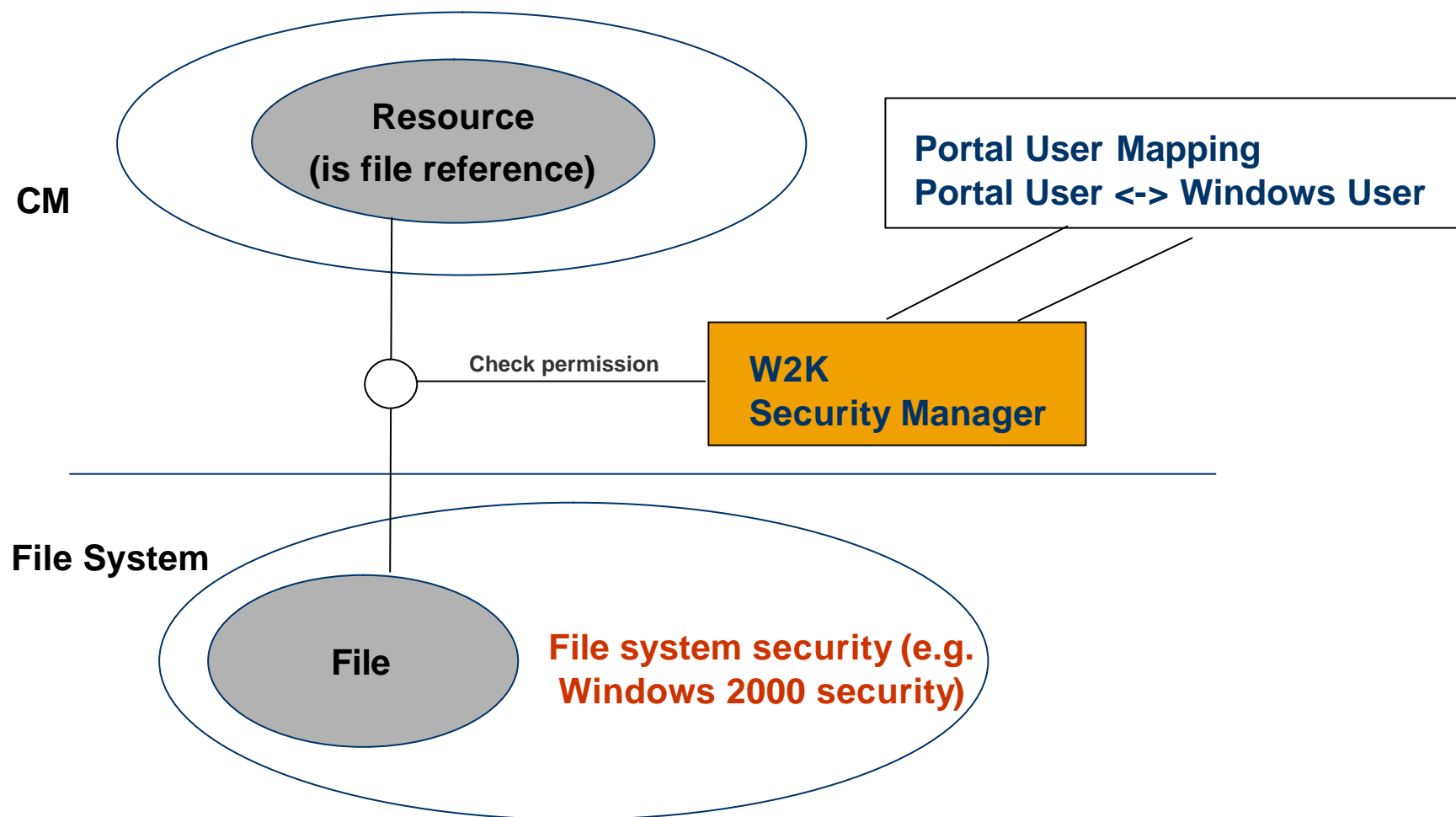
- **Global service for mounting and unmounting remote folders to use them as local folders**

- **Same function as Map Network Drive in Windows 2000**

- **Possibility of accessing a remote system with different credentials**

- **Connections can be persistent**

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Mount Service

CM

Repository Demo

Repository Test

Mount Service

Remote File System

Remote shared folder A

Remote shared folder B

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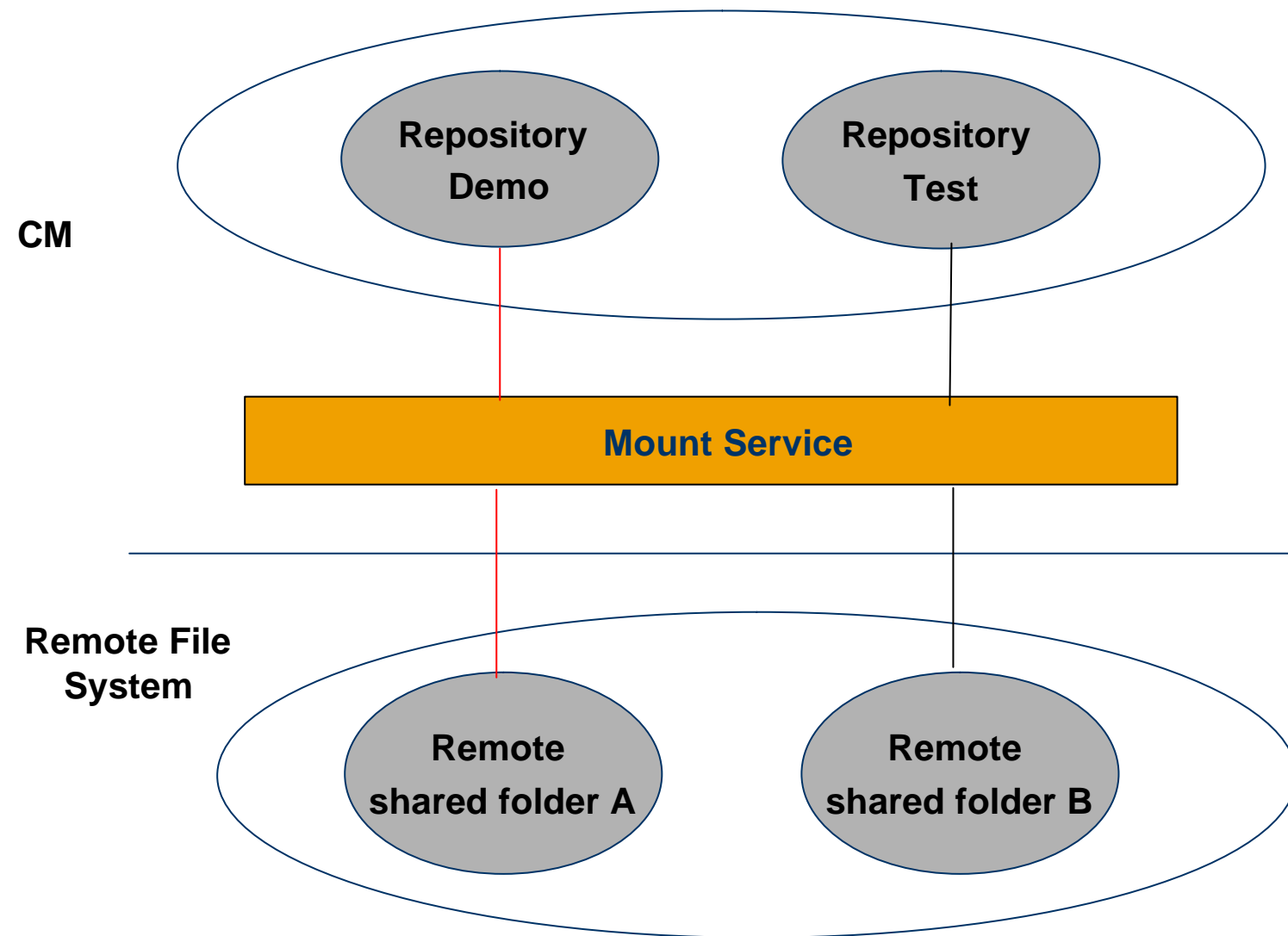
Combining the W2k Security Manager and the Mount Service

CM

Repository

-> Resource

Portal User Mapping
Portal User <-> Windows User

Check permission

W2K
Security Manager

Mount Service

Remote File System

Shared Folder

-> File

File system security (e.g. Windows 2000 security)

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